aws

API Reference

AWS Global Networks for Transit Gateways

API Version 2019-07-05

AWS Global Networks for Transit Gateways: API Reference

Table of Contents

Welcome

Amazon Web Services enables you to centrally manage your AWS Cloud WAN core network and your Transit Gateway network across AWS accounts, Regions, and on-premises locations.

This document was last published on March 20, 2026.

Actions

The following actions are supported:

- AcceptAttachment
- AssociateConnectPeer
- AssociateCustomerGateway
- AssociateLink
- AssociateTransitGatewayConnectPeer
- CreateConnectAttachment
- CreateConnection
- CreateConnectPeer
- CreateCoreNetwork
- CreateCoreNetworkPrefixListAssociation
- CreateDevice
- CreateDirectConnectGatewayAttachment
- CreateGlobalNetwork
- CreateLink
- CreateSite
- CreateSiteToSiteVpnAttachment
- CreateTransitGatewayPeering
- CreateTransitGatewayRouteTableAttachment
- CreateVpcAttachment
- DeleteAttachment
- DeleteConnection
- DeleteConnectPeer
- DeleteCoreNetwork
- DeleteCoreNetworkPolicyVersion
- DeleteCoreNetworkPrefixListAssociation
- DeleteDevice
- DeleteGlobalNetwork

- DeleteLink
- DeletePeering
- DeleteResourcePolicy
- DeleteSite
- DeregisterTransitGateway
- DescribeGlobalNetworks
- DisassociateConnectPeer
- DisassociateCustomerGateway
- DisassociateLink
- DisassociateTransitGatewayConnectPeer
- ExecuteCoreNetworkChangeSet
- GetConnectAttachment
- GetConnections
- GetConnectPeer
- GetConnectPeerAssociations
- GetCoreNetwork
- GetCoreNetworkChangeEvents
- GetCoreNetworkChangeSet
- GetCoreNetworkPolicy
- GetCustomerGatewayAssociations
- GetDevices
- GetDirectConnectGatewayAttachment
- GetLinkAssociations
- GetLinks
- GetNetworkResourceCounts
- GetNetworkResourceRelationships
- GetNetworkResources
- GetNetworkRoutes
- GetNetworkTelemetry
- GetResourcePolicy

- GetRouteAnalysis

- GetSites

- GetSiteToSiteVpnAttachment

- GetTransitGatewayConnectPeerAssociations

- GetTransitGatewayPeering

- GetTransitGatewayRegistrations

- GetTransitGatewayRouteTableAttachment

- GetVpcAttachment

- ListAttachmentRoutingPolicyAssociations

- ListAttachments

- ListConnectPeers

- ListCoreNetworkPolicyVersions

- ListCoreNetworkPrefixListAssociations

- ListCoreNetworkRoutingInformation

- ListCoreNetworks

- ListOrganizationServiceAccessStatus

- ListPeerings

- ListTagsForResource

- PutAttachmentRoutingPolicyLabel

- PutCoreNetworkPolicy

- PutResourcePolicy

- RegisterTransitGateway

- RejectAttachment

- RemoveAttachmentRoutingPolicyLabel

- RestoreCoreNetworkPolicyVersion

- StartOrganizationServiceAccessUpdate

- StartRouteAnalysis

- TagResource

- UntagResource

- UpdateConnection

- [UpdateCoreNetwork](#)
- [UpdateDevice](#)
- [UpdateDirectConnectGatewayAttachment](#)
- [UpdateGlobalNetwork](#)
- [UpdateLink](#)
- [UpdateNetworkResourceMetadata](#)
- [UpdateSite](#)
- [UpdateVpcAttachment](#)

AcceptAttachment

Accepts a core network attachment request.

Once the attachment request is accepted by a core network owner, the attachment is created and connected to a core network.

Request Syntax

```
POST /attachments/attachmentId/accept HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

attachmentId

The ID of the attachment.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: ^attachment-([0-9a-f]{8,17})$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "Attachment": {
        "AttachmentId": "string",
        "AttachmentPolicyRuleNumber": number,
        "AttachmentType": "string",
        "CoreNetworkArn": "string",
        "CoreNetworkId": "string",
```

```
      "CreatedAt": number,
      "EdgeLocation": "string",
      "EdgeLocations": [ "string" ],
      "LastModificationErrors": [
         {
            "Code": "string",
            "Message": "string",
            "RequestId": "string",
            "ResourceArn": "string"
         }
      ],
      "NetworkFunctionGroupName": "string",
      "OwnerAccountId": "string",
      "ProposedNetworkFunctionGroupChange": {
         "AttachmentPolicyRuleNumber": number,
         "NetworkFunctionGroupName": "string",
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      },
      "ProposedSegmentChange": {
         "AttachmentPolicyRuleNumber": number,
         "SegmentName": "string",
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      },
      "ResourceArn": "string",
      "SegmentName": "string",
      "State": "string",
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ],
      "UpdatedAt": number
   }
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Attachment

> The response to the attachment request.
>
> Type: Attachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

> You do not have sufficient access to perform this action.
>
> HTTP Status Code: 403

ConflictException

> There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.
>
> **ResourceId**
>
> > The ID of the resource.
>
> **ResourceType**
>
> > The resource type.
>
> HTTP Status Code: 409

InternalServerException

> The request has failed due to an internal error.
>
> **RetryAfterSeconds**
>
> > Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the
following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

AssociateConnectPeer

Associates a core network Connect peer with a device and optionally, with a link.

If you specify a link, it must be associated with the specified device. You can only associate core network Connect peers that have been created on a core network Connect attachment on a core network.

Request Syntax

```
POST /global-networks/globalNetworkId/connect-peer-associations HTTP/1.1
Content-type: application/json

{
   "ConnectPeerId": "string",
   "DeviceId": "string",
   "LinkId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

   The ID of your global network.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

   Required: Yes

Request Body

The request accepts the following data in JSON format.

ConnectPeerId

   The ID of the Connect peer.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^connect-peer-([0-9a-f]{8,17})$`

Required: Yes

DeviceId

The ID of the device.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `[\s\S]*`

Required: Yes

LinkId

The ID of the link.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `[\s\S]*`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ConnectPeerAssociation": {
      "ConnectPeerId": "string",
      "DeviceId": "string",
      "GlobalNetworkId": "string",
      "LinkId": "string",
```

```
        "State": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConnectPeerAssociation

   The response to the Connect peer request.

   Type: ConnectPeerAssociation object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

   You do not have sufficient access to perform this action.

   HTTP Status Code: 403

ConflictException

   There was a conflict processing the request. Updating or deleting the resource can cause an
   inconsistent state.

   ResourceId

      The ID of the resource.

   ResourceType

      The resource type.

   HTTP Status Code: 409

InternalServerException

   The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

The limit code.

Message

The error message.

ResourceId

The ID of the resource.

ResourceType

The resource type.

ServiceCode

The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

AssociateCustomerGateway

Associates a customer gateway with a device and optionally, with a link. If you specify a link, it must be associated with the specified device.

You can only associate customer gateways that are connected to a VPN attachment on a transit gateway or core network registered in your global network. When you register a transit gateway or core network, customer gateways that are connected to the transit gateway are automatically included in the global network. To list customer gateways that are connected to a transit gateway, use the DescribeVpnConnections EC2 API and filter by `transit-gateway-id`.

You cannot associate a customer gateway with more than one device and link.

Request Syntax

```
POST /global-networks/globalNetworkId/customer-gateway-associations HTTP/1.1
Content-type: application/json

{
   "CustomerGatewayArn": "string",
   "DeviceId": "string",
   "LinkId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

   The ID of the global network.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

   Required: Yes

Request Body

The request accepts the following data in JSON format.

CustomerGatewayArn

The Amazon Resource Name (ARN) of the customer gateway.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Required: Yes

DeviceId

The ID of the device.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

LinkId

The ID of the link.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "CustomerGatewayAssociation": {
        "CustomerGatewayArn": "string",
```

```
        "DeviceId": "string",
        "GlobalNetworkId": "string",
        "LinkId": "string",
        "State": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CustomerGatewayAssociation

   The customer gateway association.

   Type: CustomerGatewayAssociation object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

   You do not have sufficient access to perform this action.

   HTTP Status Code: 403

ConflictException

   There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

   ResourceId

      The ID of the resource.

   ResourceType

      The resource type.

   HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

The limit code.

Message

The error message.

ResourceId

The ID of the resource.

ResourceType

The resource type.

ServiceCode

The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

AssociateLink

Associates a link to a device. A device can be associated to multiple links and a link can be associated to multiple devices. The device and link must be in the same global network and the same site.

Request Syntax

```
POST /global-networks/globalNetworkId/link-associations HTTP/1.1
Content-type: application/json

{
   "DeviceId": "string",
   "LinkId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

   The ID of the global network.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

   Required: Yes

Request Body

The request accepts the following data in JSON format.

DeviceId

   The ID of the device.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

LinkId

The ID of the link.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "LinkAssociation": {
        "DeviceId": "string",
        "GlobalNetworkId": "string",
        "LinkAssociationState": "string",
        "LinkId": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LinkAssociation

The link association.

Type: LinkAssociation object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 404

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

> The limit code.

Message

> The error message.

ResourceId

> The ID of the resource.

ResourceType

> The resource type.

ServiceCode

> The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

AssociateTransitGatewayConnectPeer

Associates a transit gateway Connect peer with a device, and optionally, with a link. If you specify a link, it must be associated with the specified device.

You can only associate transit gateway Connect peers that have been created on a transit gateway that's registered in your global network.

You cannot associate a transit gateway Connect peer with more than one device and link.

Request Syntax

```
POST /global-networks/globalNetworkId/transit-gateway-connect-peer-associations
 HTTP/1.1
Content-type: application/json

{
   "DeviceId": "string",
   "LinkId": "string",
   "TransitGatewayConnectPeerArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request accepts the following data in JSON format.

DeviceId

The ID of the device.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

LinkId

The ID of the link.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

TransitGatewayConnectPeerArn

The Amazon Resource Name (ARN) of the Connect peer.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "TransitGatewayConnectPeerAssociation": {
        "DeviceId": "string",
```

```
        "GlobalNetworkId": "string",
        "LinkId": "string",
        "State": "string",
        "TransitGatewayConnectPeerArn": "string"
    }
 }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

TransitGatewayConnectPeerAssociation

> The transit gateway Connect peer association.
>
> Type: TransitGatewayConnectPeerAssociation object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

> You do not have sufficient access to perform this action.
>
> HTTP Status Code: 403

ConflictException

> There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.
>
> **ResourceId**
>
> > The ID of the resource.
>
> **ResourceType**
>
> > The resource type.
>
> HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

The limit code.

Message

The error message.

ResourceId

The ID of the resource.

ResourceType

The resource type.

ServiceCode

The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateConnectAttachment

Creates a core network Connect attachment from a specified core network attachment.

A core network Connect attachment is a GRE-based tunnel attachment that you can use to establish a connection between a core network and an appliance. A core network Connect attachment uses an existing VPC attachment as the underlying transport mechanism.

Request Syntax

```
POST /connect-attachments HTTP/1.1
Content-type: application/json

{
   "ClientToken": "string",
   "CoreNetworkId": "string",
   "EdgeLocation": "string",
   "Options": {
      "Protocol": "string"
   },
   "RoutingPolicyLabel": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "TransportAttachmentId": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

The client token associated with the request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

CoreNetworkId

The ID of a core network where you want to create the attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

EdgeLocation

The Region where the edge is located.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [\s\S]*

Required: Yes

Options

Options for creating an attachment.

Type: ConnectAttachmentOptions object

Required: Yes

RoutingPolicyLabel

The routing policy label to apply to the Connect attachment for traffic routing decisions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Tags

The list of key-value tags associated with the request.

Type: Array of Tag objects

Required: No

TransportAttachmentId

The ID of the attachment between the two connections.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ConnectAttachment": {
      "Attachment": {
         "AttachmentId": "string",
         "AttachmentPolicyRuleNumber": number,
         "AttachmentType": "string",
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "EdgeLocations": [ "string" ],
         "LastModificationErrors": [
            {
               "Code": "string",
               "Message": "string",
               "RequestId": "string",
               "ResourceArn": "string"
            }
```

```
            ],
            "NetworkFunctionGroupName": "string",
            "OwnerAccountId": "string",
            "ProposedNetworkFunctionGroupChange": {
                "AttachmentPolicyRuleNumber": number,
                "NetworkFunctionGroupName": "string",
                "Tags": [
                    {
                        "Key": "string",
                        "Value": "string"
                    }
                ]
            },
            "ProposedSegmentChange": {
                "AttachmentPolicyRuleNumber": number,
                "SegmentName": "string",
                "Tags": [
                    {
                        "Key": "string",
                        "Value": "string"
                    }
                ]
            },
            "ResourceArn": "string",
            "SegmentName": "string",
            "State": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ],
            "UpdatedAt": number
        },
        "Options": {
            "Protocol": "string"
        },
        "TransportAttachmentId": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConnectAttachment

The response to a Connect attachment request.

Type: ConnectAttachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateConnection

Creates a connection between two devices. The devices can be a physical or virtual appliance that connects to a third-party appliance in a VPC, or a physical appliance that connects to another physical appliance in an on-premises network.

Request Syntax

```
POST /global-networks/globalNetworkId/connections HTTP/1.1
Content-type: application/json

{
   "ConnectedDeviceId": "string",
   "ConnectedLinkId": "string",
   "Description": "string",
   "DeviceId": "string",
   "LinkId": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

   The ID of the global network.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

   Required: Yes

Request Body

The request accepts the following data in JSON format.

ConnectedDeviceId

The ID of the second device in the connection.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

ConnectedLinkId

The ID of the link for the second device.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

Description

A description of the connection.

Length Constraints: Maximum length of 256 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

DeviceId

The ID of the first device in the connection.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

LinkId

The ID of the link for the first device.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

Tags

The tags to apply to the resource during creation.

Type: Array of Tag objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "Connection": {
        "ConnectedDeviceId": "string",
        "ConnectedLinkId": "string",
        "ConnectionArn": "string",
        "ConnectionId": "string",
        "CreatedAt": number,
        "Description": "string",
        "DeviceId": "string",
        "GlobalNetworkId": "string",
        "LinkId": "string",
```

```
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Connection

Information about the connection.

Type: Connection object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

The limit code.

Message

The error message.

ResourceId

The ID of the resource.

ResourceType

The resource type.

ServiceCode

The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateConnectPeer

Creates a core network Connect peer for a specified core network connect attachment between a core network and an appliance. The peer address and transit gateway address must be the same IP address family (IPv4 or IPv6).

Request Syntax

```
POST /connect-peers HTTP/1.1
Content-type: application/json

{
   "BgpOptions": {
      "PeerAsn": number
   },
   "ClientToken": "string",
   "ConnectAttachmentId": "string",
   "CoreNetworkAddress": "string",
   "InsideCidrBlocks": [ "string" ],
   "PeerAddress": "string",
   "SubnetArn": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

BgpOptions

The Connect peer BGP options. This only applies only when the protocol is GRE.

Type: BgpOptions object

Required: No

ClientToken

The client token associated with the request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

ConnectAttachmentId

The ID of the connection attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: ^attachment-([0-9a-f]{8,17})$

Required: Yes

CoreNetworkAddress

A Connect peer core network address. This only applies only when the protocol is GRE.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: [\s\S]*

Required: No

InsideCidrBlocks

The inside IP addresses used for BGP peering.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

PeerAddress

The Connect peer address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[\s\S]*`

Required: Yes

SubnetArn

The subnet ARN for the Connect peer. This only applies only when the protocol is NO_ENCAP.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `^arn:[^:]{1,63}:ec2:[^:]{0,63}:[^:]{0,63}:subnet\/subnet-[0-9a-f]{8,17}$|^$`

Required: No

Tags

The tags associated with the peer request.

Type: Array of Tag objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ConnectPeer": {
      "Configuration": {
         "BgpConfigurations": [
            {
               "CoreNetworkAddress": "string",
```

```
                    "CoreNetworkAsn": number,
                    "PeerAddress": "string",
                    "PeerAsn": number
                }
            ],
            "CoreNetworkAddress": "string",
            "InsideCidrBlocks": [ "string" ],
            "PeerAddress": "string",
            "Protocol": "string"
        },
        "ConnectAttachmentId": "string",
        "ConnectPeerId": "string",
        "CoreNetworkId": "string",
        "CreatedAt": number,
        "EdgeLocation": "string",
        "LastModificationErrors": [
            {
                "Code": "string",
                "Message": "string",
                "RequestId": "string",
                "ResourceArn": "string"
            }
        ],
        "State": "string",
        "SubnetArn": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConnectPeer

The response to the request.

Type: [ConnectPeer](#) object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

>   The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

>   Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

>   The fields that caused the error, if applicable.

Reason

>   The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateCoreNetwork

Creates a core network as part of your global network, and optionally, with a core network policy.

Request Syntax

```
POST /core-networks HTTP/1.1
Content-type: application/json

{
   "ClientToken": "string",
   "Description": "string",
   "GlobalNetworkId": "string",
   "PolicyDocument": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

The client token associated with a core network request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Description

The description of a core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

GlobalNetworkId

The ID of the global network that a core network will be a part of.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

PolicyDocument

The policy document for creating a core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: No

Tags

Key-value tags associated with a core network request.

Type: Array of Tag objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "CoreNetwork": {
        "CoreNetworkArn": "string",
        "CoreNetworkId": "string",
        "CreatedAt": number,
        "Description": "string",
        "Edges": [
            {
                "Asn": number,
                "EdgeLocation": "string",
                "InsideCidrBlocks": [ "string" ]
            }
        ],
        "GlobalNetworkId": "string",
        "NetworkFunctionGroups": [
            {
                "EdgeLocations": [ "string" ],
                "Name": "string",
                "Segments": {
                    "SendTo": [ "string" ],
                    "SendVia": [ "string" ]
                }
            }
        ],
        "Segments": [
            {
                "EdgeLocations": [ "string" ],
                "Name": "string",
                "SharedSegments": [ "string" ]
            }
        ],
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ]
```

```
    }
 }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetwork

Returns details about a core network.

Type: CoreNetwork object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

CoreNetworkPolicyException

Describes a core network policy exception.

Errors

Describes a core network policy exception.

HTTP Status Code: 400

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

The limit code.

Message

The error message.

ResourceId

The ID of the resource.

ResourceType

The resource type.

ServiceCode

The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateCoreNetworkPrefixListAssociation

Creates an association between a core network and a prefix list for routing control.

Request Syntax

```
POST /prefix-list HTTP/1.1
Content-type: application/json

{
    "ClientToken": "string",
    "CoreNetworkId": "string",
    "PrefixListAlias": "string",
    "PrefixListArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

CoreNetworkId

The ID of the core network to associate with the prefix list.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

PrefixListAlias

An optional alias for the prefix list association.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: Yes

PrefixListArn

The ARN of the prefix list to associate with the core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `[\s\S]*`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "CoreNetworkId": "string",
    "PrefixListAlias": "string",
    "PrefixListArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetworkId

The ID of the core network associated with the prefix list.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

PrefixListAlias

The alias of the prefix list association, if provided.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

PrefixListArn

The ARN of the prefix list that was associated with the core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

    The ID of the resource.

ResourceType

    The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

    Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

    The specified resource could not be found.

ResourceId

    The ID of the resource.

ResourceType

    The resource type.

HTTP Status Code: 404

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

    The limit code.

Message

    The error message.

ResourceId

   The ID of the resource.

ResourceType

   The resource type.

ServiceCode

   The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

   Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

   The fields that caused the error, if applicable.

Reason

   The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateDevice

Creates a new device in a global network. If you specify both a site ID and a location, the location of the site is used for visualization in the Network Manager console.

Request Syntax

```
POST /global-networks/globalNetworkId/devices HTTP/1.1
Content-type: application/json

{
   "AWSLocation": {
      "SubnetArn": "string",
      "Zone": "string"
   },
   "Description": "string",
   "Location": {
      "Address": "string",
      "Latitude": "string",
      "Longitude": "string"
   },
   "Model": "string",
   "SerialNumber": "string",
   "SiteId": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "Type": "string",
   "Vendor": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request accepts the following data in JSON format.

AWSLocation

The AWS location of the device, if applicable. For an on-premises device, you can omit this parameter.

Type: AWSLocation object

Required: No

Description

A description of the device.

Constraints: Maximum length of 256 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Location

The location of the device.

Type: Location object

Required: No

Model

The model of the device.

Constraints: Maximum length of 128 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

SerialNumber

The serial number of the device.

Constraints: Maximum length of 128 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

SiteId

The ID of the site.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

Tags

The tags to apply to the resource during creation.

Type: Array of Tag objects

Required: No

Type

The type of the device.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Vendor

The vendor of the device.

Constraints: Maximum length of 128 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Device": {
      "AWSLocation": {
         "SubnetArn": "string",
         "Zone": "string"
      },
      "CreatedAt": number,
      "Description": "string",
      "DeviceArn": "string",
      "DeviceId": "string",
      "GlobalNetworkId": "string",
      "Location": {
         "Address": "string",
         "Latitude": "string",
         "Longitude": "string"
      },
      "Model": "string",
```

```
          "SerialNumber": "string",
          "SiteId": "string",
          "State": "string",
          "Tags": [
             {
                "Key": "string",
                "Value": "string"
             }
          ],
          "Type": "string",
          "Vendor": "string"
      }
  }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Device

Information about the device.

Type: Device object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

    The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

    Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

    The specified resource could not be found.

ResourceId

    The ID of the resource.

ResourceType

    The resource type.

HTTP Status Code: 404

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

    The limit code.

Message

    The error message.

ResourceId

    The ID of the resource.

ResourceType

The resource type.

ServiceCode

The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateDirectConnectGatewayAttachment

Creates an AWS Direct Connect gateway attachment

Request Syntax

```
POST /direct-connect-gateway-attachments HTTP/1.1
Content-type: application/json

{
   "ClientToken": "string",
   "CoreNetworkId": "string",
   "DirectConnectGatewayArn": "string",
   "EdgeLocations": [ "string" ],
   "RoutingPolicyLabel": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

client token

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

CoreNetworkId

The ID of the Cloud WAN core network that the Direct Connect gateway attachment should be attached to.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

DirectConnectGatewayArn

The ARN of the Direct Connect gateway attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `^arn:[^:]{1,63}:directconnect::[^:]{0,63}:dx-gateway\/[0-9a-f]{8}-([0-9a-f]{4}-){3}[0-9a-f]{12}$`

Required: Yes

EdgeLocations

One or more core network edge locations that the Direct Connect gateway attachment is associated with.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[\s\S]*`

Required: Yes

RoutingPolicyLabel

The routing policy label to apply to the Direct Connect Gateway attachment for traffic routing decisions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Tags

The key value tags to apply to the Direct Connect gateway attachment during creation.

Type: Array of Tag objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "DirectConnectGatewayAttachment": {
      "Attachment": {
         "AttachmentId": "string",
         "AttachmentPolicyRuleNumber": number,
         "AttachmentType": "string",
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "EdgeLocations": [ "string" ],
         "LastModificationErrors": [
            {
               "Code": "string",
               "Message": "string",
               "RequestId": "string",
               "ResourceArn": "string"
            }
         ],
         "NetworkFunctionGroupName": "string",
         "OwnerAccountId": "string",
         "ProposedNetworkFunctionGroupChange": {
            "AttachmentPolicyRuleNumber": number,
            "NetworkFunctionGroupName": "string",
```

```
            "Tags": [
               {
                  "Key": "string",
                  "Value": "string"
               }
            ]
         },
         "ProposedSegmentChange": {
            "AttachmentPolicyRuleNumber": number,
            "SegmentName": "string",
            "Tags": [
               {
                  "Key": "string",
                  "Value": "string"
               }
            ]
         },
         "ResourceArn": "string",
         "SegmentName": "string",
         "State": "string",
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ],
         "UpdatedAt": number
      },
      "DirectConnectGatewayArn": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

DirectConnectGatewayAttachment

   Describes the details of a `CreateDirectConnectGatewayAttachment` request.

   Type: DirectConnectGatewayAttachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateGlobalNetwork

Creates a new, empty global network.

Request Syntax

```
POST /global-networks HTTP/1.1
Content-type: application/json

{
   "Description": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Description

A description of the global network.

Constraints: Maximum length of 256 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Tags

The tags to apply to the resource during creation.

Type: Array of Tag objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "GlobalNetwork": {
      "CreatedAt": number,
      "Description": "string",
      "GlobalNetworkArn": "string",
      "GlobalNetworkId": "string",
      "State": "string",
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GlobalNetwork

Information about the global network object.

Type: GlobalNetwork object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

The limit code.

Message

The error message.

ResourceId

The ID of the resource.

ResourceType

The resource type.

ServiceCode

The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateLink

Creates a new link for a specified site.

Request Syntax

```
POST /global-networks/globalNetworkId/links HTTP/1.1
Content-type: application/json

{
   "Bandwidth": {
      "DownloadSpeed": number,
      "UploadSpeed": number
   },
   "Description": "string",
   "Provider": "string",
   "SiteId": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "Type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request accepts the following data in JSON format.

Bandwidth

The upload speed and download speed in Mbps.

Type: Bandwidth object

Required: Yes

Description

A description of the link.

Constraints: Maximum length of 256 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Provider

The provider of the link.

Constraints: Maximum length of 128 characters. Cannot include the following characters: | \ ^

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

SiteId

The ID of the site.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Tags

The tags to apply to the resource during creation.

Type: Array of Tag objects

Required: No

Type

The type of the link.

Constraints: Maximum length of 128 characters. Cannot include the following characters: | \ ^

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Link": {
      "Bandwidth": {
         "DownloadSpeed": number,
         "UploadSpeed": number
      },
      "CreatedAt": number,
      "Description": "string",
      "GlobalNetworkId": "string",
      "LinkArn": "string",
      "LinkId": "string",
```

```
        "Provider": "string",
        "SiteId": "string",
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ],
        "Type": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Link

Information about the link.

Type: Link object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

> The specified resource could not be found.

ResourceId

> The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 404

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

> The limit code.

Message

> The error message.

ResourceId

> The ID of the resource.

ResourceType

> The resource type.

ServiceCode

> The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateSite

Creates a new site in a global network.

Request Syntax

```
POST /global-networks/globalNetworkId/sites HTTP/1.1
Content-type: application/json

{
    "Description": "string",
    "Location": {
        "Address": "string",
        "Latitude": "string",
        "Longitude": "string"
    },
    "Tags": [
        {
            "Key": "string",
            "Value": "string"
        }
    ]
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

A description of your site.

Constraints: Maximum length of 256 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

Location

The site location. This information is used for visualization in the Network Manager console. If you specify the address, the latitude and longitude are automatically calculated.

- `Address`: The physical address of the site.
- `Latitude`: The latitude of the site.
- `Longitude`: The longitude of the site.

Type: Location object

Required: No

Tags

The tags to apply to the resource during creation.

Type: Array of Tag objects

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json


{
```

```
    "Site": {
      "CreatedAt": number,
      "Description": "string",
      "GlobalNetworkId": "string",
      "Location": {
        "Address": "string",
        "Latitude": "string",
        "Longitude": "string"
      },
      "SiteArn": "string",
      "SiteId": "string",
      "State": "string",
      "Tags": [
        {
          "Key": "string",
          "Value": "string"
        }
      ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Site

Information about the site.

Type: Site object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

The limit code.

Message

> The error message.

ResourceId

> The ID of the resource.

ResourceType

> The resource type.

ServiceCode

> The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)

- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)

- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)

- [AWS SDK for Python](#)

- [AWS SDK for Ruby V3](#)

CreateSiteToSiteVpnAttachment

Creates an Amazon Web Services site-to-site VPN attachment on an edge location of a core network.

Request Syntax

```
POST /site-to-site-vpn-attachments HTTP/1.1
Content-type: application/json

{
   "ClientToken": "string",
   "CoreNetworkId": "string",
   "RoutingPolicyLabel": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "VpnConnectionArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

The client token associated with the request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

CoreNetworkId

The ID of a core network where you're creating a site-to-site VPN attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

RoutingPolicyLabel

The routing policy label to apply to the Site-to-Site VPN attachment for traffic routing decisions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

Tags

The tags associated with the request.

Type: Array of Tag objects

Required: No

VpnConnectionArn

The ARN identifying the VPN attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `^arn:[^:]{1,63}:ec2:[^:]{0,63}:[^:]{0,63}:vpn-connection\/vpn-[0-9a-f]{8,17}$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "SiteToSiteVpnAttachment": {
        "Attachment": {
            "AttachmentId": "string",
            "AttachmentPolicyRuleNumber": number,
            "AttachmentType": "string",
            "CoreNetworkArn": "string",
            "CoreNetworkId": "string",
            "CreatedAt": number,
            "EdgeLocation": "string",
            "EdgeLocations": [ "string" ],
            "LastModificationErrors": [
                {
                    "Code": "string",
                    "Message": "string",
                    "RequestId": "string",
                    "ResourceArn": "string"
                }
            ],
            "NetworkFunctionGroupName": "string",
            "OwnerAccountId": "string",
            "ProposedNetworkFunctionGroupChange": {
                "AttachmentPolicyRuleNumber": number,
                "NetworkFunctionGroupName": "string",
                "Tags": [
                    {
                        "Key": "string",
                        "Value": "string"
                    }
                ]
            },
            "ProposedSegmentChange": {
                "AttachmentPolicyRuleNumber": number,
                "SegmentName": "string",
                "Tags": [
                    {
                        "Key": "string",
                        "Value": "string"
```

```
                    }
                ]
            },
            "ResourceArn": "string",
            "SegmentName": "string",
            "State": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ],
            "UpdatedAt": number
        },
        "VpnConnectionArn": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

SiteToSiteVpnAttachment

Details about a site-to-site VPN attachment.

Type: SiteToSiteVpnAttachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateTransitGatewayPeering

Creates a transit gateway peering connection.

Request Syntax

```
POST /transit-gateway-peerings HTTP/1.1
Content-type: application/json

{
   "ClientToken": "string",
   "CoreNetworkId": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "TransitGatewayArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

The client token associated with the request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

CoreNetworkId

The ID of a core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

Tags

The list of key-value tags associated with the request.

Type: Array of Tag objects

Required: No

TransitGatewayArn

The ARN of the transit gateway for the peering request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `[\s\S]*`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "TransitGatewayPeering": {
      "Peering": {
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "LastModificationErrors": [
```

```
                {
                    "Code": "string",
                    "Message": "string",
                    "MissingPermissionsContext": {
                        "MissingPermission": "string"
                    },
                    "RequestId": "string",
                    "ResourceArn": "string"
                }
            ],
            "OwnerAccountId": "string",
            "PeeringId": "string",
            "PeeringType": "string",
            "ResourceArn": "string",
            "State": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        },
        "TransitGatewayArn": "string",
        "TransitGatewayPeeringAttachmentId": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

TransitGatewayPeering

Returns information about the transit gateway peering connection request.

Type: TransitGatewayPeering object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateTransitGatewayRouteTableAttachment

Creates a transit gateway route table attachment.

Request Syntax

```
POST /transit-gateway-route-table-attachments HTTP/1.1
Content-type: application/json

{
   "ClientToken": "string",
   "PeeringId": "string",
   "RoutingPolicyLabel": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "TransitGatewayRouteTableArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

The client token associated with the request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

PeeringId

The ID of the peer for the

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^peering-([0-9a-f]{8,17})$`

Required: Yes

RoutingPolicyLabel

The routing policy label to apply to the Transit Gateway route table attachment for traffic routing decisions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

Tags

The list of key-value tags associated with the request.

Type: Array of Tag objects

Required: No

TransitGatewayRouteTableArn

The ARN of the transit gateway route table for the attachment request. For example, `"TransitGatewayRouteTableArn": "arn:aws:ec2:us-west-2:123456789012:transit-gateway-route-table/tgw-rtb-9876543210123456"`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "TransitGatewayRouteTableAttachment": {
      "Attachment": {
         "AttachmentId": "string",
         "AttachmentPolicyRuleNumber": number,
         "AttachmentType": "string",
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "EdgeLocations": [ "string" ],
         "LastModificationErrors": [
            {
               "Code": "string",
               "Message": "string",
               "RequestId": "string",
               "ResourceArn": "string"
            }
         ],
         "NetworkFunctionGroupName": "string",
         "OwnerAccountId": "string",
         "ProposedNetworkFunctionGroupChange": {
            "AttachmentPolicyRuleNumber": number,
            "NetworkFunctionGroupName": "string",
            "Tags": [
               {
                  "Key": "string",
                  "Value": "string"
               }
            ]
         },
         "ProposedSegmentChange": {
            "AttachmentPolicyRuleNumber": number,
            "SegmentName": "string",
```

```
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        },
        "ResourceArn": "string",
        "SegmentName": "string",
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ],
        "UpdatedAt": number
    },
    "PeeringId": "string",
    "TransitGatewayRouteTableArn": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

TransitGatewayRouteTableAttachment

The route table associated with the create transit gateway route table attachment request.

Type: TransitGatewayRouteTableAttachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateVpcAttachment

Creates a VPC attachment on an edge location of a core network.

Request Syntax

```
POST /vpc-attachments HTTP/1.1
Content-type: application/json

{
   "ClientToken": "string",
   "CoreNetworkId": "string",
   "Options": {
      "ApplianceModeSupport": boolean,
      "DnsSupport": boolean,
      "Ipv6Support": boolean,
      "SecurityGroupReferencingSupport": boolean
   },
   "RoutingPolicyLabel": "string",
   "SubnetArns": [ "string" ],
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "VpcArn": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

ClientToken

The client token associated with the request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

CoreNetworkId

The ID of a core network for the VPC attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: ^core-network-([0-9a-f]{8,17})$

Required: Yes

Options

Options for the VPC attachment.

Type: VpcOptions object

Required: No

RoutingPolicyLabel

The routing policy label to apply to the VPC attachment for traffic routing decisions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

SubnetArns

The subnet ARN of the VPC attachment.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: ^arn:[^:]{1,63}:ec2:[^:]{0,63}:[^:]{0,63}:subnet\/subnet-[0-9a-f]{8,17}$|^$

Required: Yes

Tags

The key-value tags associated with the request.

Type: Array of Tag objects

Required: No

VpcArn

The ARN of the VPC.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `^arn:[^:]{1,63}:ec2:[^:]{0,63}:[^:]{0,63}:vpc\/vpc-[0-9a-f]{8,17}$`

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "VpcAttachment": {
      "Attachment": {
         "AttachmentId": "string",
         "AttachmentPolicyRuleNumber": number,
         "AttachmentType": "string",
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "EdgeLocations": [ "string" ],
         "LastModificationErrors": [
            {
               "Code": "string",
               "Message": "string",
               "RequestId": "string",
               "ResourceArn": "string"
            }
```

```
        ],
        "NetworkFunctionGroupName": "string",
        "OwnerAccountId": "string",
        "ProposedNetworkFunctionGroupChange": {
            "AttachmentPolicyRuleNumber": number,
            "NetworkFunctionGroupName": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        },
        "ProposedSegmentChange": {
            "AttachmentPolicyRuleNumber": number,
            "SegmentName": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        },
        "ResourceArn": "string",
        "SegmentName": "string",
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ],
        "UpdatedAt": number
    },
    "Options": {
        "ApplianceModeSupport": boolean,
        "DnsSupport": boolean,
        "Ipv6Support": boolean,
        "SecurityGroupReferencingSupport": boolean
    },
    "SubnetArns": [ "string" ]
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VpcAttachment

Provides details about the VPC attachment.

Type: VpcAttachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteAttachment

Deletes an attachment. Supports all attachment types.

Request Syntax

```
DELETE /attachments/attachmentId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

attachmentId

The ID of the attachment to delete.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Attachment": {
      "AttachmentId": "string",
      "AttachmentPolicyRuleNumber": number,
      "AttachmentType": "string",
      "CoreNetworkArn": "string",
      "CoreNetworkId": "string",
      "CreatedAt": number,
      "EdgeLocation": "string",
      "EdgeLocations": [ "string" ],
      "LastModificationErrors": [
```

```
            {
                "Code": "string",
                "Message": "string",
                "RequestId": "string",
                "ResourceArn": "string"
            }
        ],
        "NetworkFunctionGroupName": "string",
        "OwnerAccountId": "string",
        "ProposedNetworkFunctionGroupChange": {
            "AttachmentPolicyRuleNumber": number,
            "NetworkFunctionGroupName": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        },
        "ProposedSegmentChange": {
            "AttachmentPolicyRuleNumber": number,
            "SegmentName": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        },
        "ResourceArn": "string",
        "SegmentName": "string",
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ],
        "UpdatedAt": number
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Attachment

Information about the deleted attachment.

Type: Attachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the
following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteConnection

Deletes the specified connection in your global network.

Request Syntax

```
DELETE /global-networks/globalNetworkId/connections/connectionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

connectionId

> The ID of the connection.
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: [\s\S]*
>
> Required: Yes

globalNetworkId

> The ID of the global network.
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: [\s\S]*
>
> Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
    "Connection": {
        "ConnectedDeviceId": "string",
        "ConnectedLinkId": "string",
        "ConnectionArn": "string",
        "ConnectionId": "string",
        "CreatedAt": number,
        "Description": "string",
        "DeviceId": "string",
        "GlobalNetworkId": "string",
        "LinkId": "string",
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Connection

Information about the connection.

Type: Connection object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteConnectPeer

Deletes a Connect peer.

Request Syntax

```
DELETE /connect-peers/connectPeerId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

connectPeerId

The ID of the deleted Connect peer.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^connect-peer-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ConnectPeer": {
      "Configuration": {
         "BgpConfigurations": [
            {
               "CoreNetworkAddress": "string",
               "CoreNetworkAsn": number,
               "PeerAddress": "string",
```

```
                    "PeerAsn": number
                }
            ],
            "CoreNetworkAddress": "string",
            "InsideCidrBlocks": [ "string" ],
            "PeerAddress": "string",
            "Protocol": "string"
        },
        "ConnectAttachmentId": "string",
        "ConnectPeerId": "string",
        "CoreNetworkId": "string",
        "CreatedAt": number,
        "EdgeLocation": "string",
        "LastModificationErrors": [
            {
                "Code": "string",
                "Message": "string",
                "RequestId": "string",
                "ResourceArn": "string"
            }
        ],
        "State": "string",
        "SubnetArn": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConnectPeer

Information about the deleted Connect peer.

Type: ConnectPeer object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteCoreNetwork

Deletes a core network along with all core network policies. This can only be done if there are no attachments on a core network.

Request Syntax

```
DELETE /core-networks/coreNetworkId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

coreNetworkId

The network ID of the deleted core network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CoreNetwork": {
      "CoreNetworkArn": "string",
      "CoreNetworkId": "string",
      "CreatedAt": number,
      "Description": "string",
      "Edges": [
```

```
        {
            "Asn": number,
            "EdgeLocation": "string",
            "InsideCidrBlocks": [ "string" ]
        }
    ],
    "GlobalNetworkId": "string",
    "NetworkFunctionGroups": [
        {
            "EdgeLocations": [ "string" ],
            "Name": "string",
            "Segments": {
                "SendTo": [ "string" ],
                "SendVia": [ "string" ]
            }
        }
    ],
    "Segments": [
        {
            "EdgeLocations": [ "string" ],
            "Name": "string",
            "SharedSegments": [ "string" ]
        }
    ],
    "State": "string",
    "Tags": [
        {
            "Key": "string",
            "Value": "string"
        }
    ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetwork

Information about the deleted core network.

Type: CoreNetwork object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteCoreNetworkPolicyVersion

Deletes a policy version from a core network. You can't delete the current LIVE policy.

Request Syntax

```
DELETE /core-networks/coreNetworkId/core-network-policy-versions/policyVersionId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

coreNetworkId

    The ID of a core network for the deleted policy.

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: `^core-network-([0-9a-f]{8,17})$`

    Required: Yes

policyVersionId

    The version ID of the deleted policy.

    Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CoreNetworkPolicy": {
```

```
        "Alias": "string",
        "ChangeSetState": "string",
        "CoreNetworkId": "string",
        "CreatedAt": number,
        "Description": "string",
        "PolicyDocument": "string",
        "PolicyErrors": [
            {
                "ErrorCode": "string",
                "Message": "string",
                "Path": "string"
            }
        ],
        "PolicyVersionId": number
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetworkPolicy

Returns information about the deleted policy version.

Type: CoreNetworkPolicy object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

> The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

> The specified resource could not be found.

ResourceId

> The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteCoreNetworkPrefixListAssociation

Deletes an association between a core network and a prefix list.

Request Syntax

```
DELETE /prefix-list/prefixListArn/core-network/coreNetworkId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

coreNetworkId

    The ID of the core network from which to delete the prefix list association.

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: `^core-network-([0-9a-f]{8,17})$`

    Required: Yes

prefixListArn

    The ARN of the prefix list to disassociate from the core network.

    Length Constraints: Minimum length of 0. Maximum length of 500.

    Pattern: `[\s\S]*`

    Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
```

```
        "CoreNetworkId": "string",
        "PrefixListArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetworkId

The ID of the core network from which the prefix list association was deleted.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

PrefixListArn

The ARN of the prefix list that was disassociated from the core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

> The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

> The specified resource could not be found.

ResourceId

> The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 404

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

> The limit code.

Message

> The error message.

ResourceId

The ID of the resource.

ResourceType

The resource type.

ServiceCode

The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteDevice

Deletes an existing device. You must first disassociate the device from any links and customer gateways.

Request Syntax

```
DELETE /global-networks/globalNetworkId/devices/deviceId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

deviceId

The ID of the device.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
    "Device": {
        "AWSLocation": {
            "SubnetArn": "string",
            "Zone": "string"
        },
        "CreatedAt": number,
        "Description": "string",
        "DeviceArn": "string",
        "DeviceId": "string",
        "GlobalNetworkId": "string",
        "Location": {
            "Address": "string",
            "Latitude": "string",
            "Longitude": "string"
        },
        "Model": "string",
        "SerialNumber": "string",
        "SiteId": "string",
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ],
        "Type": "string",
        "Vendor": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Device

Information about the device.

Type: Device object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteGlobalNetwork

Deletes an existing global network. You must first delete all global network objects (devices, links, and sites), deregister all transit gateways, and delete any core networks.

Request Syntax

```
DELETE /global-networks/globalNetworkId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "GlobalNetwork": {
      "CreatedAt": number,
      "Description": "string",
      "GlobalNetworkArn": "string",
      "GlobalNetworkId": "string",
      "State": "string",
      "Tags": [
```

```
            {
                "Key": "string",
                "Value": "string"
            }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GlobalNetwork

> Information about the global network.
>
> Type: GlobalNetwork object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

> You do not have sufficient access to perform this action.
>
> HTTP Status Code: 403

ConflictException

> There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.
>
> **ResourceId**
>
>> The ID of the resource.
>
> **ResourceType**
>
>> The resource type.
>
> HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteLink

Deletes an existing link. You must first disassociate the link from any devices and customer gateways.

Request Syntax

```
DELETE /global-networks/globalNetworkId/links/linkId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

> The ID of the global network.
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: [\s\S]*
>
> Required: Yes

linkId

> The ID of the link.
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: [\s\S]*
>
> Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
    "Link": {
        "Bandwidth": {
            "DownloadSpeed": number,
            "UploadSpeed": number
        },
        "CreatedAt": number,
        "Description": "string",
        "GlobalNetworkId": "string",
        "LinkArn": "string",
        "LinkId": "string",
        "Provider": "string",
        "SiteId": "string",
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ],
        "Type": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Link

Information about the link.

Type: Link object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeletePeering

Deletes an existing peering connection.

Request Syntax

```
DELETE /peerings/peeringId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

peeringId

The ID of the peering connection to delete.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: ^peering-([0-9a-f]{8,17})$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Peering": {
      "CoreNetworkArn": "string",
      "CoreNetworkId": "string",
      "CreatedAt": number,
      "EdgeLocation": "string",
      "LastModificationErrors": [
         {
            "Code": "string",
            "Message": "string",
```

```
                "MissingPermissionsContext": {
                    "MissingPermission": "string"
                },
                "RequestId": "string",
                "ResourceArn": "string"
            }
        ],
        "OwnerAccountId": "string",
        "PeeringId": "string",
        "PeeringType": "string",
        "ResourceArn": "string",
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Peering

Information about a deleted peering connection.

Type: Peering object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteResourcePolicy

Deletes a resource policy for the specified resource. This revokes the access of the principals specified in the resource policy.

Request Syntax

```
DELETE /resource-policy/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the policy to delete.

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

   The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the
following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteSite

Deletes an existing site. The site cannot be associated with any device or link.

Request Syntax

```
DELETE /global-networks/globalNetworkId/sites/siteId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

siteId

The ID of the site.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
    "Site": {
        "CreatedAt": number,
        "Description": "string",
        "GlobalNetworkId": "string",
        "Location": {
            "Address": "string",
            "Latitude": "string",
            "Longitude": "string"
        },
        "SiteArn": "string",
        "SiteId": "string",
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Site

Information about the site.

Type: Site object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

>   Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

>   The input fails to satisfy the constraints.

>   **Fields**

>   >   The fields that caused the error, if applicable.

>   **Reason**

>   >   The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeregisterTransitGateway

Deregisters a transit gateway from your global network. This action does not delete your transit gateway, or modify any of its attachments. This action removes any customer gateway associations.

Request Syntax

```
DELETE /global-networks/globalNetworkId/transit-gateway-registrations/transitGatewayArn
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

> The ID of the global network.
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: [\s\S]*
>
> Required: Yes

transitGatewayArn

> The Amazon Resource Name (ARN) of the transit gateway.
>
> Length Constraints: Minimum length of 0. Maximum length of 500.
>
> Pattern: [\s\S]*
>
> Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
   "TransitGatewayRegistration": {
      "GlobalNetworkId": "string",
      "State": {
         "Code": "string",
         "Message": "string"
      },
      "TransitGatewayArn": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

TransitGatewayRegistration

The transit gateway registration information.

Type: TransitGatewayRegistration object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

    The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

    Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

    The specified resource could not be found.

ResourceId

    The ID of the resource.

ResourceType

    The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

    Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

    The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DescribeGlobalNetworks

Describes one or more global networks. By default, all global networks are described. To describe the objects in your global network, you must use the appropriate `Get*` action. For example, to list the transit gateways in your global network, use [GetTransitGatewayRegistrations](#).

Request Syntax

```
GET /global-networks?
globalNetworkIds=GlobalNetworkIds&maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

GlobalNetworkIds

The IDs of one or more global networks. The maximum is 10.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `[\s\S]*`

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "GlobalNetworks": [
        {
            "CreatedAt": number,
            "Description": "string",
            "GlobalNetworkArn": "string",
            "GlobalNetworkId": "string",
            "State": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GlobalNetworks

   Information about the global networks.

   Type: Array of GlobalNetwork objects

NextToken

   The token for the next page of results.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DisassociateConnectPeer

Disassociates a core network Connect peer from a device and a link.

Request Syntax

```
DELETE /global-networks/globalNetworkId/connect-peer-associations/connectPeerId
  HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

connectPeerId

   The ID of the Connect peer to disassociate from a device.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: `^connect-peer-([0-9a-f]{8,17})$`

   Required: Yes

globalNetworkId

   The ID of the global network.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: `[\s\S]*`

   Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
    "ConnectPeerAssociation": {
        "ConnectPeerId": "string",
        "DeviceId": "string",
        "GlobalNetworkId": "string",
        "LinkId": "string",
        "State": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConnectPeerAssociation

Describes the Connect peer association.

Type: ConnectPeerAssociation object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DisassociateCustomerGateway

Disassociates a customer gateway from a device and a link.

Request Syntax

```
DELETE /global-networks/globalNetworkId/customer-gateway-
associations/customerGatewayArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

customerGatewayArn

The Amazon Resource Name (ARN) of the customer gateway.

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Required: Yes

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
    "CustomerGatewayAssociation": {
        "CustomerGatewayArn": "string",
        "DeviceId": "string",
        "GlobalNetworkId": "string",
        "LinkId": "string",
        "State": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CustomerGatewayAssociation

   Information about the customer gateway association.

   Type: CustomerGatewayAssociation object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

   You do not have sufficient access to perform this action.

   HTTP Status Code: 403

ConflictException

   There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

   ResourceId

      The ID of the resource.

   ResourceType

      The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DisassociateLink

Disassociates an existing device from a link. You must first disassociate any customer gateways that are associated with the link.

Request Syntax

```
DELETE /global-networks/globalNetworkId/link-associations?
deviceId=DeviceId&linkId=LinkId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DeviceId

The ID of the device.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

LinkId

The ID of the link.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "LinkAssociation": {
      "DeviceId": "string",
      "GlobalNetworkId": "string",
      "LinkAssociationState": "string",
      "LinkId": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LinkAssociation

Information about the link association.

Type: LinkAssociation object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DisassociateTransitGatewayConnectPeer

Disassociates a transit gateway Connect peer from a device and link.

Request Syntax

```
DELETE /global-networks/globalNetworkId/transit-gateway-connect-peer-
associations/transitGatewayConnectPeerArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

    The ID of the global network.

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: [\s\S]*

    Required: Yes

transitGatewayConnectPeerArn

    The Amazon Resource Name (ARN) of the transit gateway Connect peer.

    Length Constraints: Minimum length of 0. Maximum length of 500.

    Pattern: [\s\S]*

    Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
    "TransitGatewayConnectPeerAssociation": {
        "DeviceId": "string",
        "GlobalNetworkId": "string",
        "LinkId": "string",
        "State": "string",
        "TransitGatewayConnectPeerArn": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

TransitGatewayConnectPeerAssociation

The transit gateway Connect peer association.

Type: TransitGatewayConnectPeerAssociation object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ExecuteCoreNetworkChangeSet

Executes a change set on your core network. Deploys changes globally based on the policy submitted..

Request Syntax

```
POST /core-networks/coreNetworkId/core-network-change-sets/policyVersionId/execute
  HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

coreNetworkId

The ID of a core network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

policyVersionId

The ID of the policy version.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

>   The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

>   Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

>   The fields that caused the error, if applicable.

Reason

>   The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetConnectAttachment

Returns information about a core network Connect attachment.

Request Syntax

```
GET /connect-attachments/attachmentId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

attachmentId

The ID of the attachment.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ConnectAttachment": {
      "Attachment": {
         "AttachmentId": "string",
         "AttachmentPolicyRuleNumber": number,
         "AttachmentType": "string",
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "EdgeLocations": [ "string" ],
```

```
        "LastModificationErrors": [
           {
              "Code": "string",
              "Message": "string",
              "RequestId": "string",
              "ResourceArn": "string"
           }
        ],
        "NetworkFunctionGroupName": "string",
        "OwnerAccountId": "string",
        "ProposedNetworkFunctionGroupChange": {
           "AttachmentPolicyRuleNumber": number,
           "NetworkFunctionGroupName": "string",
           "Tags": [
              {
                 "Key": "string",
                 "Value": "string"
              }
           ]
        },
        "ProposedSegmentChange": {
           "AttachmentPolicyRuleNumber": number,
           "SegmentName": "string",
           "Tags": [
              {
                 "Key": "string",
                 "Value": "string"
              }
           ]
        },
        "ResourceArn": "string",
        "SegmentName": "string",
        "State": "string",
        "Tags": [
           {
              "Key": "string",
              "Value": "string"
           }
        ],
        "UpdatedAt": number
     },
     "Options": {
        "Protocol": "string"
     },
```

```
        "TransportAttachmentId": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConnectAttachment

Details about the Connect attachment.

Type: ConnectAttachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetConnections

Gets information about one or more of your connections in a global network.

Request Syntax

```
GET /global-networks/globalNetworkId/connections?
connectionIds=ConnectionIds&deviceId=DeviceId&maxResults=MaxResults&nextToken=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ConnectionIds

    One or more connection IDs.

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: [\s\S]*

DeviceId

    The ID of the device.

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: [\s\S]*

globalNetworkId

    The ID of the global network.

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: [\s\S]*

    Required: Yes

MaxResults

    The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Connections": [
      {
         "ConnectedDeviceId": "string",
         "ConnectedLinkId": "string",
         "ConnectionArn": "string",
         "ConnectionId": "string",
         "CreatedAt": number,
         "Description": "string",
         "DeviceId": "string",
         "GlobalNetworkId": "string",
         "LinkId": "string",
         "State": "string",
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Connections

Information about the connections.

Type: Array of Connection objects

NextToken

The token to use for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

> The specified resource could not be found.

ResourceId

> The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetConnectPeer

Returns information about a core network Connect peer.

Request Syntax

```
GET /connect-peers/connectPeerId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

connectPeerId

The ID of the Connect peer.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^connect-peer-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ConnectPeer": {
      "Configuration": {
         "BgpConfigurations": [
            {
               "CoreNetworkAddress": "string",
               "CoreNetworkAsn": number,
               "PeerAddress": "string",
```

```
                    "PeerAsn": number
                }
            ],
            "CoreNetworkAddress": "string",
            "InsideCidrBlocks": [ "string" ],
            "PeerAddress": "string",
            "Protocol": "string"
        },
        "ConnectAttachmentId": "string",
        "ConnectPeerId": "string",
        "CoreNetworkId": "string",
        "CreatedAt": number,
        "EdgeLocation": "string",
        "LastModificationErrors": [
            {
                "Code": "string",
                "Message": "string",
                "RequestId": "string",
                "ResourceArn": "string"
            }
        ],
        "State": "string",
        "SubnetArn": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConnectPeer

Returns information about a core network Connect peer.

Type: ConnectPeer object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetConnectPeerAssociations

Returns information about a core network Connect peer associations.

Request Syntax

```
GET /global-networks/globalNetworkId/connect-peer-associations?
connectPeerIds=ConnectPeerIds&maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ConnectPeerIds

> The IDs of the Connect peers.
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: `^connect-peer-([0-9a-f]{8,17})$`

globalNetworkId

> The ID of the global network.
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: `[\s\S]*`
>
> Required: Yes

MaxResults

> The maximum number of results to return.
>
> Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

> The token for the next page of results.
>
> Length Constraints: Minimum length of 0. Maximum length of 2048.
>
> Pattern: `[\s\S]*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "ConnectPeerAssociations": [
      {
         "ConnectPeerId": "string",
         "DeviceId": "string",
         "GlobalNetworkId": "string",
         "LinkId": "string",
         "State": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConnectPeerAssociations

Displays a list of Connect peer associations.

Type: Array of ConnectPeerAssociation objects

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetCoreNetwork

Returns information about the LIVE policy for a core network.

Request Syntax

```
GET /core-networks/coreNetworkId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

coreNetworkId

The ID of a core network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CoreNetwork": {
      "CoreNetworkArn": "string",
      "CoreNetworkId": "string",
      "CreatedAt": number,
      "Description": "string",
      "Edges": [
         {
            "Asn": number,
```

```
                "EdgeLocation": "string",
                "InsideCidrBlocks": [ "string" ]
            }
        ],
        "GlobalNetworkId": "string",
        "NetworkFunctionGroups": [
            {
                "EdgeLocations": [ "string" ],
                "Name": "string",
                "Segments": {
                    "SendTo": [ "string" ],
                    "SendVia": [ "string" ]
                }
            }
        ],
        "Segments": [
            {
                "EdgeLocations": [ "string" ],
                "Name": "string",
                "SharedSegments": [ "string" ]
            }
        ],
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetwork

Details about a core network.

Type: CoreNetwork object

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetCoreNetworkChangeEvents

Returns information about a core network change event.

Request Syntax

```
GET /core-networks/coreNetworkId/core-network-change-events/policyVersionId?
maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

coreNetworkId

The ID of a core network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

policyVersionId

The ID of the policy version.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "CoreNetworkChangeEvents": [
        {
            "Action": "string",
            "EventTime": number,
            "IdentifierPath": "string",
            "Status": "string",
            "Type": "string",
            "Values": {
                "AttachmentId": "string",
                "Cidr": "string",
                "EdgeLocation": "string",
                "NetworkFunctionGroupName": "string",
                "PeerEdgeLocation": "string",
                "RoutingPolicyAssociationDetails": [
                    {
                        "RoutingPolicyNames": [ "string" ],
                        "SharedSegments": [ "string" ]
                    }
                ],
                "RoutingPolicyDirection": "string",
                "SegmentName": "string"
            }
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetworkChangeEvents

The response to `GetCoreNetworkChangeEventsRequest`.

Type: Array of [CoreNetworkChangeEvent](#) objects

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetCoreNetworkChangeSet

Returns a change set between the LIVE core network policy and a submitted policy.

Request Syntax

```
GET /core-networks/coreNetworkId/core-network-change-sets/policyVersionId?
maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

coreNetworkId

The ID of a core network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

policyVersionId

The ID of the policy version.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "CoreNetworkChanges": [
        {
            "Action": "string",
            "Identifier": "string",
            "IdentifierPath": "string",
            "NewValues": {
                "Asn": number,
                "AttachmentId": "string",
                "Cidr": "string",
                "DestinationIdentifier": "string",
                "DnsSupport": boolean,
                "EdgeLocations": [ "string" ],
                "InsideCidrBlocks": [ "string" ],
                "NetworkFunctionGroupName": "string",
                "PeerEdgeLocations": [ "string" ],
                "RoutingPolicy": "string",
                "RoutingPolicyAssociationDetails": [
                    {
                        "RoutingPolicyNames": [ "string" ],
                        "SharedSegments": [ "string" ]
                    }
                ],
                "RoutingPolicyDirection": "string",
                "SecurityGroupReferencingSupport": boolean,
                "SegmentName": "string",
                "ServiceInsertionActions": [
                    {
                        "Action": "string",
                        "Mode": "string",
                        "Via": {
                            "NetworkFunctionGroups": [
                                {
                                    "Name": "string"
```

```
                }
            ],
            "WithEdgeOverrides": [
                {
                    "EdgeSets": [
                        [ "string" ]
                    ],
                    "UseEdge": "string"
                }
            ]
        },
        "WhenSentTo": {
            "WhenSentToSegmentsList": [ "string" ]
        }
    }
    ],
    "SharedSegments": [ "string" ],
    "VpnEcmpSupport": boolean
},
"PreviousValues": {
    "Asn": number,
    "AttachmentId": "string",
    "Cidr": "string",
    "DestinationIdentifier": "string",
    "DnsSupport": boolean,
    "EdgeLocations": [ "string" ],
    "InsideCidrBlocks": [ "string" ],
    "NetworkFunctionGroupName": "string",
    "PeerEdgeLocations": [ "string" ],
    "RoutingPolicy": "string",
    "RoutingPolicyAssociationDetails": [
        {
            "RoutingPolicyNames": [ "string" ],
            "SharedSegments": [ "string" ]
        }
    ],
    "RoutingPolicyDirection": "string",
    "SecurityGroupReferencingSupport": boolean,
    "SegmentName": "string",
    "ServiceInsertionActions": [
        {
            "Action": "string",
            "Mode": "string",
            "Via": {
```

```
                  "NetworkFunctionGroups": [
                     {
                         "Name": "string"
                     }
                  ],
                  "WithEdgeOverrides": [
                     {
                         "EdgeSets": [
                            [ "string" ]
                         ],
                         "UseEdge": "string"
                     }
                  ]
               },
               "WhenSentTo": {
                  "WhenSentToSegmentsList": [ "string" ]
               }
            }
         ],
         "SharedSegments": [ "string" ],
         "VpnEcmpSupport": boolean
      },
      "Type": "string"
   }
 ],
 "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetworkChanges

Describes a core network changes.

Type: Array of CoreNetworkChange objects

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetCoreNetworkPolicy

Returns details about a core network policy. You can get details about your current live policy or any previous policy version.

Request Syntax

```
GET /core-networks/coreNetworkId/core-network-policy?
alias=Alias&policyVersionId=PolicyVersionId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

Alias

The alias of a core network policy

Valid Values: LIVE | LATEST

coreNetworkId

The ID of a core network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

PolicyVersionId

The ID of a core network policy version.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "CoreNetworkPolicy": {
        "Alias": "string",
        "ChangeSetState": "string",
        "CoreNetworkId": "string",
        "CreatedAt": number,
        "Description": "string",
        "PolicyDocument": "string",
        "PolicyErrors": [
            {
                "ErrorCode": "string",
                "Message": "string",
                "Path": "string"
            }
        ],
        "PolicyVersionId": number
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetworkPolicy

   The details about a core network policy.

   Type: CoreNetworkPolicy object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

   You do not have sufficient access to perform this action.

   HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetCustomerGatewayAssociations

Gets the association information for customer gateways that are associated with devices and links in your global network.

Request Syntax

```
GET /global-networks/globalNetworkId/customer-gateway-associations?
customerGatewayArns=CustomerGatewayArns&maxResults=MaxResults&nextToken=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

CustomerGatewayArns

One or more customer gateway Amazon Resource Names (ARNs). The maximum is 10.

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CustomerGatewayAssociations": [
      {
         "CustomerGatewayArn": "string",
         "DeviceId": "string",
         "GlobalNetworkId": "string",
         "LinkId": "string",
         "State": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CustomerGatewayAssociations

The customer gateway associations.

Type: Array of CustomerGatewayAssociation objects

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

>   The ID of the resource.

ResourceType

>   The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

>   Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

>   The fields that caused the error, if applicable.

Reason

>   The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetDevices

Gets information about one or more of your devices in a global network.

Request Syntax

```
GET /global-networks/globalNetworkId/devices?
deviceIds=DeviceIds&maxResults=MaxResults&nextToken=NextToken&siteId=SiteId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DeviceIds

    One or more device IDs. The maximum is 10.

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: [\s\S]*

globalNetworkId

    The ID of the global network.

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: [\s\S]*

    Required: Yes

MaxResults

    The maximum number of results to return.

    Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

    The token for the next page of results.

    Length Constraints: Minimum length of 0. Maximum length of 2048.

    Pattern: [\s\S]*

SiteId

The ID of the site.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "Devices": [
        {
            "AWSLocation": {
                "SubnetArn": "string",
                "Zone": "string"
            },
            "CreatedAt": number,
            "Description": "string",
            "DeviceArn": "string",
            "DeviceId": "string",
            "GlobalNetworkId": "string",
            "Location": {
                "Address": "string",
                "Latitude": "string",
                "Longitude": "string"
            },
            "Model": "string",
            "SerialNumber": "string",
            "SiteId": "string",
            "State": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
```

```
            }
        ],
        "Type": "string",
        "Vendor": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Devices

    The devices.

    Type: Array of Device objects

NextToken

    The token for the next page of results.

    Type: String

    Length Constraints: Minimum length of 0. Maximum length of 2048.

    Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

    You do not have sufficient access to perform this action.

    HTTP Status Code: 403

InternalServerException

    The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetDirectConnectGatewayAttachment

Returns information about a specific AWS Direct Connect gateway attachment.

Request Syntax

```
GET /direct-connect-gateway-attachments/attachmentId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

attachmentId

The ID of the Direct Connect gateway attachment that you want to see details about.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: ^attachment-([0-9a-f]{8,17})$

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "DirectConnectGatewayAttachment": {
      "Attachment": {
         "AttachmentId": "string",
         "AttachmentPolicyRuleNumber": number,
         "AttachmentType": "string",
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "EdgeLocations": [ "string" ],
```

```
            "LastModificationErrors": [
               {
                  "Code": "string",
                  "Message": "string",
                  "RequestId": "string",
                  "ResourceArn": "string"
               }
            ],
            "NetworkFunctionGroupName": "string",
            "OwnerAccountId": "string",
            "ProposedNetworkFunctionGroupChange": {
               "AttachmentPolicyRuleNumber": number,
               "NetworkFunctionGroupName": "string",
               "Tags": [
                  {
                     "Key": "string",
                     "Value": "string"
                  }
               ]
            },
            "ProposedSegmentChange": {
               "AttachmentPolicyRuleNumber": number,
               "SegmentName": "string",
               "Tags": [
                  {
                     "Key": "string",
                     "Value": "string"
                  }
               ]
            },
            "ResourceArn": "string",
            "SegmentName": "string",
            "State": "string",
            "Tags": [
               {
                  "Key": "string",
                  "Value": "string"
               }
            ],
            "UpdatedAt": number
         },
         "DirectConnectGatewayArn": "string"
   }
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

DirectConnectGatewayAttachment

Shows details about the Direct Connect gateway attachment.

Type: DirectConnectGatewayAttachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

  The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

  Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

  The fields that caused the error, if applicable.

Reason

  The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetLinkAssociations

Gets the link associations for a device or a link. Either the device ID or the link ID must be specified.

Request Syntax

```
GET /global-networks/globalNetworkId/link-associations?
deviceId=DeviceId&linkId=LinkId&maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

DeviceId

   The ID of the device.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

globalNetworkId

   The ID of the global network.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

   Required: Yes

LinkId

   The ID of the link.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

MaxResults

   The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "LinkAssociations": [
        {
            "DeviceId": "string",
            "GlobalNetworkId": "string",
            "LinkAssociationState": "string",
            "LinkId": "string"
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

LinkAssociations

The link associations.

Type: Array of LinkAssociation objects

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetLinks

Gets information about one or more links in a specified global network.

If you specify the site ID, you cannot specify the type or provider in the same request. You can specify the type and provider in the same request.

Request Syntax

```
GET /global-networks/globalNetworkId/links?
linkIds=LinkIds&maxResults=MaxResults&nextToken=NextToken&provider=Provider&siteId=SiteId&type=
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

   The ID of the global network.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

   Required: Yes

LinkIds

   One or more link IDs. The maximum is 10.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

MaxResults

   The maximum number of results to return.

   Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

   The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Provider

The link provider.

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

SiteId

The ID of the site.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Type

The link type.

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Links": [
      {
         "Bandwidth": {
            "DownloadSpeed": number,
            "UploadSpeed": number
         },
         "CreatedAt": number,
```

```
            "Description": "string",
            "GlobalNetworkId": "string",
            "LinkArn": "string",
            "LinkId": "string",
            "Provider": "string",
            "SiteId": "string",
            "State": "string",
            "Tags": [
               {
                  "Key": "string",
                  "Value": "string"
               }
            ],
            "Type": "string"
         }
      ],
      "NextToken": "string"
 }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Links

   The links.

   Type: Array of Link objects

NextToken

   The token for the next page of results.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 2048.

   Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetNetworkResourceCounts

Gets the count of network resources, by resource type, for the specified global network.

Request Syntax

```
GET /global-networks/globalNetworkId/network-resource-count?
maxResults=MaxResults&nextToken=NextToken&resourceType=ResourceType HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `[\s\S]*`

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

ResourceType

The resource type.

The following are the supported resource types for Direct Connect:

- `dxcon`

- dx-gateway

- dx-vif

The following are the supported resource types for Network Manager:

- attachment

- connect-peer

- connection

- core-network

- device

- link

- peering

- site

The following are the supported resource types for Amazon VPC:

- customer-gateway

- transit-gateway

- transit-gateway-attachment

- transit-gateway-connect-peer

- transit-gateway-route-table

- vpn-connection

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json


{
```

```
    "NetworkResourceCounts": [
       {
          "Count": number,
          "ResourceType": "string"
       }
    ],
    "NextToken": "string"
 }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NetworkResourceCounts

The count of resources.

Type: Array of NetworkResourceCount objects

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetNetworkResourceRelationships

Gets the network resource relationships for the specified global network.

Request Syntax

```
GET /global-networks/globalNetworkId/network-resource-relationships?
accountId=AccountId&awsRegion=AwsRegion&coreNetworkId=CoreNetworkId&maxResults=MaxResults&nextT
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AccountId

The AWS account ID.

Length Constraints: Fixed length of 12.

Pattern: `[\s\S]*`

AwsRegion

The AWS Region.

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[\s\S]*`

CoreNetworkId

The ID of a core network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `[\s\S]*`

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

RegisteredGatewayArn

The ARN of the registered gateway.

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: `[\s\S]*`

ResourceArn

The ARN of the gateway.

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: `[\s\S]*`

ResourceType

The resource type.

The following are the supported resource types for Direct Connect:

- `dxcon`
- `dx-gateway`
- `dx-vif`

The following are the supported resource types for Network Manager:

- `attachment`

- connect-peer
- connection
- core-network
- device
- link
- peering
- site

The following are the supported resource types for Amazon VPC:

- customer-gateway
- transit-gateway
- transit-gateway-attachment
- transit-gateway-connect-peer
- transit-gateway-route-table
- vpn-connection

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "Relationships": [
      {
         "From": "string",
         "To": "string"
      }
```

```
        ]
    }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Relationships

The resource relationships.

Type: Array of Relationship objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetNetworkResources

Describes the network resources for the specified global network.

The results include information from the corresponding Describe call for the resource, minus any sensitive information such as pre-shared keys.

Request Syntax

```
GET /global-networks/globalNetworkId/network-resources?
accountId=AccountId&awsRegion=AwsRegion&coreNetworkId=CoreNetworkId&maxResults=MaxResults&nextT
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AccountId

The AWS account ID.

Length Constraints: Fixed length of 12.

Pattern: [\s\S]*

AwsRegion

The AWS Region.

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [\s\S]*

CoreNetworkId

The ID of a core network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: ^core-network-([0-9a-f]{8,17})$

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `[\s\S]*`

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

RegisteredGatewayArn

The ARN of the gateway.

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: `[\s\S]*`

ResourceArn

The ARN of the resource.

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: `[\s\S]*`

ResourceType

The resource type.

The following are the supported resource types for Direct Connect:

- `dxcon`
- `dx-gateway`
- `dx-vif`

The following are the supported resource types for Network Manager:

- `attachment`

- `connect-peer`

- `connection`

- `core-network`

- `device`

- `link`

- `peering`

- `site`

The following are the supported resource types for Amazon VPC:

- `customer-gateway`

- `transit-gateway`

- `transit-gateway-attachment`

- `transit-gateway-connect-peer`

- `transit-gateway-route-table`

- `vpn-connection`

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NetworkResources": [
      {
         "AccountId": "string",
```

```
            "AwsRegion": "string",
            "CoreNetworkId": "string",
            "Definition": "string",
            "DefinitionTimestamp": number,
            "Metadata": {
               "string" : "string"
            },
            "RegisteredGatewayArn": "string",
            "ResourceArn": "string",
            "ResourceId": "string",
            "ResourceType": "string",
            "Tags": [
               {
                  "Key": "string",
                  "Value": "string"
               }
            ]
         }
      ],
      "NextToken": "string"
 }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NetworkResources

The network resources.

Type: Array of NetworkResource objects

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetNetworkRoutes

Gets the network routes of the specified global network.

Request Syntax

```
POST /global-networks/globalNetworkId/network-routes HTTP/1.1
Content-type: application/json

{
    "DestinationFilters": {
        "string" : [ "string" ]
    },
    "ExactCidrMatches": [ "string" ],
    "LongestPrefixMatches": [ "string" ],
    "PrefixListIds": [ "string" ],
    "RouteTableIdentifier": {
        "CoreNetworkNetworkFunctionGroup": {
            "CoreNetworkId": "string",
            "EdgeLocation": "string",
            "NetworkFunctionGroupName": "string"
        },
        "CoreNetworkSegmentEdge": {
            "CoreNetworkId": "string",
            "EdgeLocation": "string",
            "SegmentName": "string"
        },
        "TransitGatewayRouteTableArn": "string"
    },
    "States": [ "string" ],
    "SubnetOfMatches": [ "string" ],
    "SupernetOfMatches": [ "string" ],
    "Types": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

   The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `[\s\S]*`

Required: Yes

Request Body

The request accepts the following data in JSON format.

DestinationFilters

Filter by route table destination. Possible Values: TRANSIT_GATEWAY_ATTACHMENT_ID, RESOURCE_ID, or RESOURCE_TYPE.

Type: String to array of strings map

Key Length Constraints: Maximum length of 128.

Key Pattern: `^[0-9a-zA-Z\.-]*$`

Length Constraints: Maximum length of 255.

Pattern: `^[0-9a-zA-Z\*\.\\/\?-]*$`

Required: No

ExactCidrMatches

An exact CIDR block.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

LongestPrefixMatches

The most specific route that matches the traffic (longest prefix match).

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

PrefixListIds

The IDs of the prefix lists.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

RouteTableIdentifier

The ID of the route table.

Type: RouteTableIdentifier object

Required: Yes

States

The route states.

Type: Array of strings

Valid Values: `ACTIVE | BLACKHOLE`

Required: No

SubnetOfMatches

The routes with a subnet that match the specified CIDR filter.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

SupernetOfMatches

The routes with a CIDR that encompasses the CIDR filter. Example: If you specify 10.0.1.0/30, then the result returns 10.0.1.0/29.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Types

The route types.

Type: Array of strings

Valid Values: PROPAGATED | STATIC

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CoreNetworkSegmentEdge": {
      "CoreNetworkId": "string",
      "EdgeLocation": "string",
      "SegmentName": "string"
   },
   "NetworkRoutes": [
      {
         "DestinationCidrBlock": "string",
         "Destinations": [
            {
               "CoreNetworkAttachmentId": "string",
               "EdgeLocation": "string",
```

```
                    "NetworkFunctionGroupName": "string",
                    "ResourceId": "string",
                    "ResourceType": "string",
                    "SegmentName": "string",
                    "TransitGatewayAttachmentId": "string"
                }
            ],
            "PrefixListId": "string",
            "State": "string",
            "Type": "string"
        }
    ],
    "RouteTableArn": "string",
    "RouteTableTimestamp": number,
    "RouteTableType": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetworkSegmentEdge

    Describes a core network segment edge.

    Type: CoreNetworkSegmentEdgeIdentifier object

NetworkRoutes

    The network routes.

    Type: Array of NetworkRoute objects

RouteTableArn

    The ARN of the route table.

    Type: String

    Length Constraints: Minimum length of 0. Maximum length of 1500.

    Pattern: [\s\S]*

RouteTableTimestamp

The route table creation time.

Type: Timestamp

RouteTableType

The route table type.

Type: String

Valid Values: TRANSIT_GATEWAY_ROUTE_TABLE | CORE_NETWORK_SEGMENT | NETWORK_FUNCTION_GROUP

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetNetworkTelemetry

Gets the network telemetry of the specified global network.

Request Syntax

```
GET /global-networks/globalNetworkId/network-telemetry?
accountId=AccountId&awsRegion=AwsRegion&coreNetworkId=CoreNetworkId&maxResults=MaxResults&nextT
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AccountId

The AWS account ID.

Length Constraints: Fixed length of 12.

Pattern: `[\s\S]*`

AwsRegion

The AWS Region.

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[\s\S]*`

CoreNetworkId

The ID of a core network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `[\s\S]*`

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

RegisteredGatewayArn

The ARN of the gateway.

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

ResourceArn

The ARN of the resource.

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

ResourceType

The resource type. The following are the supported resource types:

- `connect-peer`
- `transit-gateway-connect-peer`
- `vpn-connection`

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NetworkTelemetry": [
      {
         "AccountId": "string",
         "Address": "string",
         "AwsRegion": "string",
         "CoreNetworkId": "string",
         "Health": {
            "Status": "string",
            "Timestamp": number,
            "Type": "string"
         },
         "RegisteredGatewayArn": "string",
         "ResourceArn": "string",
         "ResourceId": "string",
         "ResourceType": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NetworkTelemetry

The network telemetry.

Type: Array of NetworkTelemetry objects

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetResourcePolicy

Returns information about a resource policy.

Request Syntax

```
GET /resource-policy/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The ARN of the resource.

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "PolicyDocument": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

PolicyDocument

The resource policy document.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetRouteAnalysis

Gets information about the specified route analysis.

Request Syntax

```
GET /global-networks/globalNetworkId/route-analyses/routeAnalysisId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

    The ID of the global network.

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: [\s\S]*

    Required: Yes

routeAnalysisId

    The ID of the route analysis.

    Length Constraints: Minimum length of 0. Maximum length of 256.

    Pattern: [\s\S]*

    Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "RouteAnalysis": {
```

```
      "Destination": {
         "IpAddress": "string",
         "TransitGatewayArn": "string",
         "TransitGatewayAttachmentArn": "string"
      },
      "ForwardPath": {
         "CompletionStatus": {
            "ReasonCode": "string",
            "ReasonContext": {
               "string" : "string"
            },
            "ResultCode": "string"
         },
         "Path": [
            {
               "DestinationCidrBlock": "string",
               "Resource": {
                  "Definition": "string",
                  "IsMiddlebox": boolean,
                  "NameTag": "string",
                  "RegisteredGatewayArn": "string",
                  "ResourceArn": "string",
                  "ResourceType": "string"
               },
               "Sequence": number
            }
         ]
      },
      "GlobalNetworkId": "string",
      "IncludeReturnPath": boolean,
      "OwnerAccountId": "string",
      "ReturnPath": {
         "CompletionStatus": {
            "ReasonCode": "string",
            "ReasonContext": {
               "string" : "string"
            },
            "ResultCode": "string"
         },
         "Path": [
            {
               "DestinationCidrBlock": "string",
               "Resource": {
                  "Definition": "string",
```

```
                    "IsMiddlebox": boolean,
                    "NameTag": "string",
                    "RegisteredGatewayArn": "string",
                    "ResourceArn": "string",
                    "ResourceType": "string"
                },
                "Sequence": number
            }
        ]
    },
    "RouteAnalysisId": "string",
    "Source": {
        "IpAddress": "string",
        "TransitGatewayArn": "string",
        "TransitGatewayAttachmentArn": "string"
    },
    "StartTimestamp": number,
    "Status": "string",
    "UseMiddleboxes": boolean
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RouteAnalysis

    The route analysis.

    Type: RouteAnalysis object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

    You do not have sufficient access to perform this action.

    HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetSites

Gets information about one or more of your sites in a global network.

Request Syntax

```
GET /global-networks/globalNetworkId/sites?
maxResults=MaxResults&nextToken=NextToken&siteIds=SiteIds HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

SiteIds

One or more site IDs. The maximum is 10.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "NextToken": "string",
    "Sites": [
        {
            "CreatedAt": number,
            "Description": "string",
            "GlobalNetworkId": "string",
            "Location": {
                "Address": "string",
                "Latitude": "string",
                "Longitude": "string"
            },
            "SiteArn": "string",
            "SiteId": "string",
            "State": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Sites

The sites.

Type: Array of Site objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetSiteToSiteVpnAttachment

Returns information about a site-to-site VPN attachment.

Request Syntax

```
GET /site-to-site-vpn-attachments/attachmentId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

attachmentId

The ID of the attachment.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "SiteToSiteVpnAttachment": {
      "Attachment": {
         "AttachmentId": "string",
         "AttachmentPolicyRuleNumber": number,
         "AttachmentType": "string",
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "EdgeLocations": [ "string" ],
```

```
      "LastModificationErrors": [
         {
            "Code": "string",
            "Message": "string",
            "RequestId": "string",
            "ResourceArn": "string"
         }
      ],
      "NetworkFunctionGroupName": "string",
      "OwnerAccountId": "string",
      "ProposedNetworkFunctionGroupChange": {
         "AttachmentPolicyRuleNumber": number,
         "NetworkFunctionGroupName": "string",
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      },
      "ProposedSegmentChange": {
         "AttachmentPolicyRuleNumber": number,
         "SegmentName": "string",
         "Tags": [
            {
               "Key": "string",
               "Value": "string"
            }
         ]
      },
      "ResourceArn": "string",
      "SegmentName": "string",
      "State": "string",
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ],
      "UpdatedAt": number
   },
   "VpnConnectionArn": "string"
}
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

SiteToSiteVpnAttachment

>   Describes the site-to-site attachment.

>   Type: SiteToSiteVpnAttachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

>   You do not have sufficient access to perform this action.

>   HTTP Status Code: 403

InternalServerException

>   The request has failed due to an internal error.

>   **RetryAfterSeconds**

>>   Indicates when to retry the request.

>   HTTP Status Code: 500

ResourceNotFoundException

>   The specified resource could not be found.

>   **Context**

>>   The specified resource could not be found.

>   **ResourceId**

>>   The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetTransitGatewayConnectPeerAssociations

Gets information about one or more of your transit gateway Connect peer associations in a global network.

Request Syntax

```
GET /global-networks/globalNetworkId/transit-gateway-connect-peer-associations?
maxResults=MaxResults&nextToken=NextToken&transitGatewayConnectPeerArns=TransitGatewayConnectPe
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

   The ID of the global network.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

   Required: Yes

MaxResults

   The maximum number of results to return.

   Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

   The token for the next page of results.

   Length Constraints: Minimum length of 0. Maximum length of 2048.

   Pattern: [\s\S]*

TransitGatewayConnectPeerArns

   One or more transit gateway Connect peer Amazon Resource Names (ARNs).

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "TransitGatewayConnectPeerAssociations": [
      {
         "DeviceId": "string",
         "GlobalNetworkId": "string",
         "LinkId": "string",
         "State": "string",
         "TransitGatewayConnectPeerArn": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token to use for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

TransitGatewayConnectPeerAssociations

Information about the transit gateway Connect peer associations.

Type: Array of TransitGatewayConnectPeerAssociation objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

    The ID of the resource.

ResourceType

    The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

    Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

    The fields that caused the error, if applicable.

Reason

    The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetTransitGatewayPeering

Returns information about a transit gateway peer.

Request Syntax

```
GET /transit-gateway-peerings/peeringId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

peeringId

The ID of the peering request.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^peering-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "TransitGatewayPeering": {
      "Peering": {
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "LastModificationErrors": [
```

```
                {
                    "Code": "string",
                    "Message": "string",
                    "MissingPermissionsContext": {
                        "MissingPermission": "string"
                    },
                    "RequestId": "string",
                    "ResourceArn": "string"
                }
            ],
            "OwnerAccountId": "string",
            "PeeringId": "string",
            "PeeringType": "string",
            "ResourceArn": "string",
            "State": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        },
        "TransitGatewayArn": "string",
        "TransitGatewayPeeringAttachmentId": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

TransitGatewayPeering

Returns information about a transit gateway peering.

Type: TransitGatewayPeering object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetTransitGatewayRegistrations

Gets information about the transit gateway registrations in a specified global network.

Request Syntax

```
GET /global-networks/globalNetworkId/transit-gateway-registrations?
maxResults=MaxResults&nextToken=NextToken&transitGatewayArns=TransitGatewayArns
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

   The ID of the global network.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

   Required: Yes

MaxResults

   The maximum number of results to return.

   Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

   The token for the next page of results.

   Length Constraints: Minimum length of 0. Maximum length of 2048.

   Pattern: [\s\S]*

TransitGatewayArns

   The Amazon Resource Names (ARNs) of one or more transit gateways. The maximum is 10.

   Length Constraints: Minimum length of 0. Maximum length of 500.

   Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "NextToken": "string",
    "TransitGatewayRegistrations": [
        {
            "GlobalNetworkId": "string",
            "State": {
                "Code": "string",
                "Message": "string"
            },
            "TransitGatewayArn": "string"
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

   The token for the next page of results.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 2048.

   Pattern: [\s\S]*

TransitGatewayRegistrations

   The transit gateway registrations.

Type: Array of TransitGatewayRegistration objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

GetTransitGatewayRouteTableAttachment

Returns information about a transit gateway route table attachment.

Request Syntax

```
GET /transit-gateway-route-table-attachments/attachmentId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

attachmentId

The ID of the transit gateway route table attachment.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "TransitGatewayRouteTableAttachment": {
      "Attachment": {
         "AttachmentId": "string",
         "AttachmentPolicyRuleNumber": number,
         "AttachmentType": "string",
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "EdgeLocations": [ "string" ],
```

```
        "LastModificationErrors": [
            {
                "Code": "string",
                "Message": "string",
                "RequestId": "string",
                "ResourceArn": "string"
            }
        ],
        "NetworkFunctionGroupName": "string",
        "OwnerAccountId": "string",
        "ProposedNetworkFunctionGroupChange": {
            "AttachmentPolicyRuleNumber": number,
            "NetworkFunctionGroupName": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        },
        "ProposedSegmentChange": {
            "AttachmentPolicyRuleNumber": number,
            "SegmentName": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        },
        "ResourceArn": "string",
        "SegmentName": "string",
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ],
        "UpdatedAt": number
    },
    "PeeringId": "string",
    "TransitGatewayRouteTableArn": "string"
}
```

```
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

TransitGatewayRouteTableAttachment

Returns information about the transit gateway route table attachment.

Type: TransitGatewayRouteTableAttachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)

- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetVpcAttachment

Returns information about a VPC attachment.

Request Syntax

```
GET /vpc-attachments/attachmentId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

attachmentId

The ID of the attachment.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "VpcAttachment": {
      "Attachment": {
         "AttachmentId": "string",
         "AttachmentPolicyRuleNumber": number,
         "AttachmentType": "string",
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "EdgeLocations": [ "string" ],
```

```
            "LastModificationErrors": [
               {
                  "Code": "string",
                  "Message": "string",
                  "RequestId": "string",
                  "ResourceArn": "string"
               }
            ],
            "NetworkFunctionGroupName": "string",
            "OwnerAccountId": "string",
            "ProposedNetworkFunctionGroupChange": {
               "AttachmentPolicyRuleNumber": number,
               "NetworkFunctionGroupName": "string",
               "Tags": [
                  {
                     "Key": "string",
                     "Value": "string"
                  }
               ]
            },
            "ProposedSegmentChange": {
               "AttachmentPolicyRuleNumber": number,
               "SegmentName": "string",
               "Tags": [
                  {
                     "Key": "string",
                     "Value": "string"
                  }
               ]
            },
            "ResourceArn": "string",
            "SegmentName": "string",
            "State": "string",
            "Tags": [
               {
                  "Key": "string",
                  "Value": "string"
               }
            ],
            "UpdatedAt": number
         },
         "Options": {
            "ApplianceModeSupport": boolean,
            "DnsSupport": boolean,
```

```
            "Ipv6Support": boolean,
            "SecurityGroupReferencingSupport": boolean
        },
        "SubnetArns": [ "string" ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VpcAttachment

Returns details about a VPC attachment.

Type: VpcAttachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListAttachmentRoutingPolicyAssociations

Lists the routing policy associations for attachments in a core network.

Request Syntax

```
GET /routing-policy-label/core-network/coreNetworkId?
attachmentId=AttachmentId&maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AttachmentId

The ID of a specific attachment to filter the routing policy associations.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

coreNetworkId

The ID of the core network to list attachment routing policy associations for.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

MaxResults

The maximum number of results to return in a single page.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "AttachmentRoutingPolicyAssociations": [
        {
            "AssociatedRoutingPolicies": [ "string" ],
            "AttachmentId": "string",
            "PendingRoutingPolicies": [ "string" ],
            "RoutingPolicyLabel": "string"
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AttachmentRoutingPolicyAssociations

   The list of attachment routing policy associations.

   Type: Array of AttachmentRoutingPolicyAssociationSummary objects

NextToken

   The token for the next page of results.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 2048.

   Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListAttachments

Returns a list of core network attachments.

Request Syntax

```
GET /attachments?
attachmentType=AttachmentType&coreNetworkId=CoreNetworkId&edgeLocation=EdgeLocation&maxResults=
  HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

AttachmentType

> The type of attachment.
>
> Valid Values: CONNECT | SITE_TO_SITE_VPN | VPC | DIRECT_CONNECT_GATEWAY |
> TRANSIT_GATEWAY_ROUTE_TABLE

CoreNetworkId

> The ID of a core network.
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: ^core-network-([0-9a-f]{8,17})$

EdgeLocation

> The Region where the edge is located.
>
> Length Constraints: Minimum length of 1. Maximum length of 63.
>
> Pattern: [\s\S]*

MaxResults

> The maximum number of results to return.
>
> Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

> The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

State

The state of the attachment.

Valid Values: REJECTED | PENDING_ATTACHMENT_ACCEPTANCE | CREATING | FAILED |
AVAILABLE | UPDATING | PENDING_NETWORK_UPDATE | PENDING_TAG_ACCEPTANCE |
DELETING

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Attachments": [
      {
         "AttachmentId": "string",
         "AttachmentPolicyRuleNumber": number,
         "AttachmentType": "string",
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "EdgeLocations": [ "string" ],
         "LastModificationErrors": [
            {
               "Code": "string",
               "Message": "string",
               "RequestId": "string",
               "ResourceArn": "string"
            }
         ],
         "NetworkFunctionGroupName": "string",
         "OwnerAccountId": "string",
         "ProposedNetworkFunctionGroupChange": {
```

```
                "AttachmentPolicyRuleNumber": number,
                "NetworkFunctionGroupName": "string",
                "Tags": [
                    {
                        "Key": "string",
                        "Value": "string"
                    }
                ]
            },
            "ProposedSegmentChange": {
                "AttachmentPolicyRuleNumber": number,
                "SegmentName": "string",
                "Tags": [
                    {
                        "Key": "string",
                        "Value": "string"
                    }
                ]
            },
            "ResourceArn": "string",
            "SegmentName": "string",
            "State": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ],
            "UpdatedAt": number
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Attachments

Describes the list of attachments.

Type: Array of [Attachment](#) objects

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

>   The fields that caused the error, if applicable.

Reason

>   The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListConnectPeers

Returns a list of core network Connect peers.

Request Syntax

```
GET /connect-peers?
connectAttachmentId=ConnectAttachmentId&coreNetworkId=CoreNetworkId&maxResults=MaxResults&nextT
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

ConnectAttachmentId

    The ID of the attachment.

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: `^attachment-([0-9a-f]{8,17})$`

CoreNetworkId

    The ID of a core network.

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: `^core-network-([0-9a-f]{8,17})$`

MaxResults

    The maximum number of results to return.

    Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

    The token for the next page of results.

    Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "ConnectPeers": [
        {
            "ConnectAttachmentId": "string",
            "ConnectPeerId": "string",
            "ConnectPeerState": "string",
            "CoreNetworkId": "string",
            "CreatedAt": number,
            "EdgeLocation": "string",
            "SubnetArn": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

ConnectPeers

Describes the Connect peers.

Type: Array of [ConnectPeerSummary](#) objects

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListCoreNetworkPolicyVersions

Returns a list of core network policy versions.

Request Syntax

```
GET /core-networks/coreNetworkId/core-network-policy-versions?
maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

coreNetworkId

The ID of a core network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "CoreNetworkPolicyVersions": [
        {
            "Alias": "string",
            "ChangeSetState": "string",
            "CoreNetworkId": "string",
            "CreatedAt": number,
            "Description": "string",
            "PolicyVersionId": number
        }
    ],
    "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetworkPolicyVersions

Describes core network policy versions.

Type: Array of CoreNetworkPolicyVersion objects

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListCoreNetworkPrefixListAssociations

Lists the prefix list associations for a core network.

Request Syntax

```
GET /prefix-list/core-network/coreNetworkId?
maxResults=MaxResults&nextToken=NextToken&prefixListArn=PrefixListArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

coreNetworkId

The ID of the core network to list prefix list associations for.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

MaxResults

The maximum number of results to return in a single page.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

PrefixListArn

The ARN of a specific prefix list to filter the associations.

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "PrefixListAssociations": [
      {
         "CoreNetworkId": "string",
         "PrefixListAlias": "string",
         "PrefixListArn": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

   The token for the next page of results.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 2048.

   Pattern: [\s\S]*

PrefixListAssociations

   The list of prefix list associations for the core network.

Type: Array of PrefixListAssociation objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListCoreNetworkRoutingInformation

Lists routing information for a core network, including routes and their attributes.

Request Syntax

```
POST /core-networks/coreNetworkId/core-network-routing-information?
maxResults=MaxResults&nextToken=NextToken HTTP/1.1
Content-type: application/json

{
   "CommunityMatches": [ "string" ],
   "EdgeLocation": "string",
   "ExactAsPathMatches": [ "string" ],
   "LocalPreferenceMatches": [ "string" ],
   "MedMatches": [ "string" ],
   "NextHopFilters": {
      "string" : [ "string" ]
   },
   "SegmentName": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

coreNetworkId

The ID of the core network to retrieve routing information for.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

MaxResults

The maximum number of routing information entries to return in a single page.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Request Body

The request accepts the following data in JSON format.

CommunityMatches

BGP community values to match when filtering routing information.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

EdgeLocation

The edge location to filter routing information by.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [\s\S]*

Required: Yes

ExactAsPathMatches

Exact AS path values to match when filtering routing information.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

LocalPreferenceMatches

Local preference values to match when filtering routing information.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

MedMatches

Multi-Exit Discriminator (MED) values to match when filtering routing information.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

NextHopFilters

Filters to apply based on next hop information.

Type: String to array of strings map

Key Length Constraints: Maximum length of 128.

Key Pattern: `^[0-9a-zA-Z\.-]*$`

Length Constraints: Maximum length of 255.

Pattern: `^[0-9a-zA-Z\*\.\\/\?-]*$`

Required: No

SegmentName

The name of the segment to filter routing information by.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CoreNetworkRoutingInformation": [
      {
         "AsPath": [ "string" ],
         "Communities": [ "string" ],
         "LocalPreference": "string",
         "Med": "string",
         "NextHop": {
            "CoreNetworkAttachmentId": "string",
            "EdgeLocation": "string",
            "IpAddress": "string",
            "ResourceId": "string",
            "ResourceType": "string",
            "SegmentName": "string"
         },
         "Prefix": "string"
      }
   ],
   "NextToken": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetworkRoutingInformation

The list of routing information for the core network.

Type: Array of [CoreNetworkRoutingInformation](#) objects

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

ListCoreNetworks

Returns a list of owned and shared core networks.

Request Syntax

```
GET /core-networks?maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CoreNetworks": [
      {
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "Description": "string",
```

```
            "GlobalNetworkId": "string",
            "OwnerAccountId": "string",
            "State": "string",
            "Tags": [
               {
                  "Key": "string",
                  "Value": "string"
               }
            ]
         }
      ],
      "NextToken": "string"
   }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetworks

Describes the list of core networks.

Type: Array of CoreNetworkSummary objects

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListOrganizationServiceAccessStatus

Gets the status of the Service Linked Role (SLR) deployment for the accounts in a given Amazon Web Services Organization.

Request Syntax

```
GET /organizations/service-access?maxResults=MaxResults&nextToken=NextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "OrganizationStatus": {
      "AccountStatusList": [
         {
```

```
            "AccountId": "string",
            "SLRDeploymentStatus": "string"
        }
    ],
    "OrganizationAwsServiceAccessStatus": "string",
    "OrganizationId": "string",
    "SLRDeploymentStatus": "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

OrganizationStatus

Displays the status of an Amazon Web Services Organization.

Type: OrganizationStatus object

Errors

For information about the errors that are common to all actions, see Common Errors.

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2

- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListPeerings

Lists the peerings for a core network.

Request Syntax

```
GET /peerings?
coreNetworkId=CoreNetworkId&edgeLocation=EdgeLocation&maxResults=MaxResults&nextToken=NextToken
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

CoreNetworkId

The ID of a core network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

EdgeLocation

Returns a list edge locations for the

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[\s\S]*`

MaxResults

The maximum number of results to return.

Valid Range: Minimum value of 1. Maximum value of 500.

NextToken

The token for the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: `[\s\S]*`

PeeringType

Returns a list of a peering requests.

Valid Values: `TRANSIT_GATEWAY`

State

Returns a list of the peering request states.

Valid Values: `CREATING | FAILED | AVAILABLE | DELETING`

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "NextToken": "string",
   "Peerings": [
      {
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "LastModificationErrors": [
            {
               "Code": "string",
               "Message": "string",
               "MissingPermissionsContext": {
                  "MissingPermission": "string"
               },
               "RequestId": "string",
               "ResourceArn": "string"
            }
         ],
         "OwnerAccountId": "string",
         "PeeringId": "string",
         "PeeringType": "string",
```

```
            "ResourceArn": "string",
            "State": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        }
    ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

NextToken

The token for the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 2048.

Pattern: [\s\S]*

Peerings

Lists the transit gateway peerings for the `ListPeerings` request.

Type: Array of Peering objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListTagsForResource

Lists the tags for a specified resource.

Request Syntax

```
GET /tags/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource.

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "TagList": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

TagList

The list of tags.

Type: Array of Tag objects

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

PutAttachmentRoutingPolicyLabel

Applies a routing policy label to an attachment for traffic routing decisions.

Request Syntax

```
POST /routing-policy-label HTTP/1.1
Content-type: application/json

{
    "AttachmentId": "string",
    "ClientToken": "string",
    "CoreNetworkId": "string",
    "RoutingPolicyLabel": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

AttachmentId

The ID of the attachment to apply the routing policy label to.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

Required: Yes

ClientToken

A unique, case-sensitive identifier that you provide to ensure the idempotency of the request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

CoreNetworkId

The ID of the core network containing the attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: ^core-network-([0-9a-f]{8,17})$

Required: Yes

RoutingPolicyLabel

The routing policy label to apply to the attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "AttachmentId": "string",
    "CoreNetworkId": "string",
    "RoutingPolicyLabel": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AttachmentId

>   The ID of the attachment that received the routing policy label.

>   Type: String

>   Length Constraints: Minimum length of 0. Maximum length of 50.

>   Pattern: `^attachment-([0-9a-f]{8,17})$`

CoreNetworkId

>   The ID of the core network containing the attachment.

>   Type: String

>   Length Constraints: Minimum length of 0. Maximum length of 50.

>   Pattern: `^core-network-([0-9a-f]{8,17})$`

RoutingPolicyLabel

>   The routing policy label that was applied to the attachment.

>   Type: String

>   Length Constraints: Minimum length of 0. Maximum length of 256.

>   Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

>   You do not have sufficient access to perform this action.

>   HTTP Status Code: 403

ConflictException

>   There was a conflict processing the request. Updating or deleting the resource can cause an
>   inconsistent state.

ResourceId

   The ID of the resource.

ResourceType

   The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

   Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

   The specified resource could not be found.

ResourceId

   The ID of the resource.

ResourceType

   The resource type.

HTTP Status Code: 404

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

   The limit code.

Message

   The error message.

ResourceId

The ID of the resource.

ResourceType

The resource type.

ServiceCode

The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)

- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

PutCoreNetworkPolicy

Creates a new, immutable version of a core network policy. A subsequent change set is created showing the differences between the LIVE policy and the submitted policy.

Request Syntax

```
POST /core-networks/coreNetworkId/core-network-policy HTTP/1.1
Content-type: application/json

{
   "ClientToken": "string",
   "Description": "string",
   "LatestVersionId": number,
   "PolicyDocument": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

coreNetworkId

The ID of a core network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

ClientToken

The client token associated with the request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Description

a core network policy description.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

LatestVersionId

The ID of a core network policy.

Type: Integer

Required: No

PolicyDocument

The policy document.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "CoreNetworkPolicy": {
```

```
        "Alias": "string",
        "ChangeSetState": "string",
        "CoreNetworkId": "string",
        "CreatedAt": number,
        "Description": "string",
        "PolicyDocument": "string",
        "PolicyErrors": [
            {
                "ErrorCode": "string",
                "Message": "string",
                "Path": "string"
            }
        ],
        "PolicyVersionId": number
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetworkPolicy

Describes the changed core network policy.

Type: CoreNetworkPolicy object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

CoreNetworkPolicyException

Describes a core network policy exception.

Errors

Describes a core network policy exception.

HTTP Status Code: 400

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

PutResourcePolicy

Creates or updates a resource policy.

Request Syntax

```
POST /resource-policy/resourceArn HTTP/1.1
Content-type: application/json

{
   "PolicyDocument": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

    The ARN of the resource policy.

    Length Constraints: Minimum length of 0. Maximum length of 1500.

    Pattern: [\s\S]*

    Required: Yes

Request Body

The request accepts the following data in JSON format.

PolicyDocument

    The JSON resource policy document.

    Type: String

    Length Constraints: Minimum length of 0. Maximum length of 10000000.

    Pattern: [\s\S]*

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

The limit code.

Message

The error message.

ResourceId

The ID of the resource.

ResourceType

The resource type.

ServiceCode

The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

RegisterTransitGateway

Registers a transit gateway in your global network. Not all Regions support transit gateways for global networks. For a list of the supported Regions, see Region Availability in the *AWS Transit Gateways for Global Networks User Guide*. The transit gateway can be in any of the supported AWS Regions, but it must be owned by the same AWS account that owns the global network. You cannot register a transit gateway in more than one global network.

Request Syntax

```
POST /global-networks/globalNetworkId/transit-gateway-registrations HTTP/1.1
Content-type: application/json

{
    "TransitGatewayArn": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request accepts the following data in JSON format.

TransitGatewayArn

The Amazon Resource Name (ARN) of the transit gateway.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "TransitGatewayRegistration": {
        "GlobalNetworkId": "string",
        "State": {
            "Code": "string",
            "Message": "string"
        },
        "TransitGatewayArn": "string"
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

TransitGatewayRegistration

Information about the transit gateway registration.

Type: TransitGatewayRegistration object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

RejectAttachment

Rejects a core network attachment request.

Request Syntax

```
POST /attachments/attachmentId/reject HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

attachmentId

The ID of the attachment.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Attachment": {
      "AttachmentId": "string",
      "AttachmentPolicyRuleNumber": number,
      "AttachmentType": "string",
      "CoreNetworkArn": "string",
      "CoreNetworkId": "string",
      "CreatedAt": number,
      "EdgeLocation": "string",
      "EdgeLocations": [ "string" ],
      "LastModificationErrors": [
```

```
            {
                "Code": "string",
                "Message": "string",
                "RequestId": "string",
                "ResourceArn": "string"
            }
        ],
        "NetworkFunctionGroupName": "string",
        "OwnerAccountId": "string",
        "ProposedNetworkFunctionGroupChange": {
            "AttachmentPolicyRuleNumber": number,
            "NetworkFunctionGroupName": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        },
        "ProposedSegmentChange": {
            "AttachmentPolicyRuleNumber": number,
            "SegmentName": "string",
            "Tags": [
                {
                    "Key": "string",
                    "Value": "string"
                }
            ]
        },
        "ResourceArn": "string",
        "SegmentName": "string",
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ],
        "UpdatedAt": number
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Attachment

Describes the rejected attachment request.

Type: Attachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

RemoveAttachmentRoutingPolicyLabel

Removes a routing policy label from an attachment.

Request Syntax

```
DELETE /routing-policy-label/core-network/coreNetworkId/attachment/attachmentId
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

attachmentId

 The ID of the attachment to remove the routing policy label from.

 Length Constraints: Minimum length of 0. Maximum length of 50.

 Pattern: `^attachment-([0-9a-f]{8,17})$`

 Required: Yes

coreNetworkId

 The ID of the core network containing the attachment.

 Length Constraints: Minimum length of 0. Maximum length of 50.

 Pattern: `^core-network-([0-9a-f]{8,17})$`

 Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "AttachmentId": "string",
    "CoreNetworkId": "string",
    "RoutingPolicyLabel": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

AttachmentId

The ID of the attachment from which the routing policy label was removed.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

CoreNetworkId

The ID of the core network containing the attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

RoutingPolicyLabel

The routing policy label that was removed from the attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

The limit code.

Message

The error message.

ResourceId

The ID of the resource.

ResourceType

The resource type.

ServiceCode

The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

RestoreCoreNetworkPolicyVersion

Restores a previous policy version as a new, immutable version of a core network policy. A subsequent change set is created showing the differences between the LIVE policy and restored policy.

Request Syntax

```
POST /core-networks/coreNetworkId/core-network-policy-versions/policyVersionId/restore
 HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

coreNetworkId

> The ID of a core network.
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: `^core-network-([0-9a-f]{8,17})$`
>
> Required: Yes

policyVersionId

> The ID of the policy version to restore.
>
> Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "CoreNetworkPolicy": {
```

```
         "Alias": "string",
         "ChangeSetState": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "Description": "string",
         "PolicyDocument": "string",
         "PolicyErrors": [
            {
               "ErrorCode": "string",
               "Message": "string",
               "Path": "string"
            }
         ],
         "PolicyVersionId": number
      }
 }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetworkPolicy

Describes the restored core network policy.

Type: CoreNetworkPolicy object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

StartOrganizationServiceAccessUpdate

Enables the Network Manager service for an Amazon Web Services Organization. This can only be called by a management account within the organization.

Request Syntax

```
POST /organizations/service-access HTTP/1.1
Content-type: application/json

{
    "Action": "string"
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

Action

The action to take for the update request. This can be either ENABLE or DISABLE.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "OrganizationStatus": {
        "AccountStatusList": [
            {
```

```
            "AccountId": "string",
            "SLRDeploymentStatus": "string"
        }
    ],
    "OrganizationAwsServiceAccessStatus": "string",
    "OrganizationId": "string",
    "SLRDeploymentStatus": "string"
  }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

OrganizationStatus

The status of the service access update request for an Amazon Web Services Organization.

Type: OrganizationStatus object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

The limit code.

Message

The error message.

ResourceId

The ID of the resource.

ResourceType

The resource type.

ServiceCode

The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the
following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

StartRouteAnalysis

Starts analyzing the routing path between the specified source and destination. For more information, see Route Analyzer.

Request Syntax

```
POST /global-networks/globalNetworkId/route-analyses HTTP/1.1
Content-type: application/json

{
   "Destination": {
      "IpAddress": "string",
      "TransitGatewayAttachmentArn": "string"
   },
   "IncludeReturnPath": boolean,
   "Source": {
      "IpAddress": "string",
      "TransitGatewayAttachmentArn": "string"
   },
   "UseMiddleboxes": boolean
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request accepts the following data in JSON format.

Destination

The destination.

Type: RouteAnalysisEndpointOptionsSpecification object

Required: Yes

IncludeReturnPath

Indicates whether to analyze the return path. The default is `false`.

Type: Boolean

Required: No

Source

The source from which traffic originates.

Type: RouteAnalysisEndpointOptionsSpecification object

Required: Yes

UseMiddleboxes

Indicates whether to include the location of middlebox appliances in the route analysis. The default is `false`.

Type: Boolean

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "RouteAnalysis": {
      "Destination": {
         "IpAddress": "string",
         "TransitGatewayArn": "string",
         "TransitGatewayAttachmentArn": "string"
      },
      "ForwardPath": {
```

```
            "CompletionStatus": {
                "ReasonCode": "string",
                "ReasonContext": {
                    "string" : "string"
                },
                "ResultCode": "string"
            },
            "Path": [
                {
                    "DestinationCidrBlock": "string",
                    "Resource": {
                        "Definition": "string",
                        "IsMiddlebox": boolean,
                        "NameTag": "string",
                        "RegisteredGatewayArn": "string",
                        "ResourceArn": "string",
                        "ResourceType": "string"
                    },
                    "Sequence": number
                }
            ]
        },
        "GlobalNetworkId": "string",
        "IncludeReturnPath": boolean,
        "OwnerAccountId": "string",
        "ReturnPath": {
            "CompletionStatus": {
                "ReasonCode": "string",
                "ReasonContext": {
                    "string" : "string"
                },
                "ResultCode": "string"
            },
            "Path": [
                {
                    "DestinationCidrBlock": "string",
                    "Resource": {
                        "Definition": "string",
                        "IsMiddlebox": boolean,
                        "NameTag": "string",
                        "RegisteredGatewayArn": "string",
                        "ResourceArn": "string",
                        "ResourceType": "string"
                    },
```

```
                "Sequence": number
            }
        ]
    },
    "RouteAnalysisId": "string",
    "Source": {
        "IpAddress": "string",
        "TransitGatewayArn": "string",
        "TransitGatewayAttachmentArn": "string"
    },
    "StartTimestamp": number,
    "Status": "string",
    "UseMiddleboxes": boolean
   }
 }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

RouteAnalysis

The route analysis.

Type: RouteAnalysis object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

TagResource

Tags a specified resource.

Request Syntax

```
POST /tags/resourceArn HTTP/1.1
Content-type: application/json

{
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource.

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Required: Yes

Request Body

The request accepts the following data in JSON format.

Tags

The tags to apply to the specified resource.

Type: Array of Tag objects

Required: Yes

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

The limit code.

Message

The error message.

ResourceId

The ID of the resource.

ResourceType

The resource type.

ServiceCode

The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UntagResource

Removes tags from a specified resource.

Request Syntax

```
DELETE /tags/resourceArn?tagKeys=TagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) of the resource.

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Required: Yes

TagKeys

The tag keys to remove from the specified resource.

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response with an empty HTTP body.

Errors

For information about the errors that are common to all actions, see [Common Errors](#).

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

> The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateConnection

Updates the information for an existing connection. To remove information for any of the parameters, specify an empty string.

Request Syntax

```
PATCH /global-networks/globalNetworkId/connections/connectionId HTTP/1.1
Content-type: application/json

{
   "ConnectedLinkId": "string",
   "Description": "string",
   "LinkId": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

connectionId

The ID of the connection.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request accepts the following data in JSON format.

ConnectedLinkId

The ID of the link for the second device in the connection.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

Description

A description of the connection.

Length Constraints: Maximum length of 256 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

LinkId

The ID of the link for the first device in the connection.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json
```

```
{
    "Connection": {
        "ConnectedDeviceId": "string",
        "ConnectedLinkId": "string",
        "ConnectionArn": "string",
        "ConnectionId": "string",
        "CreatedAt": number,
        "Description": "string",
        "DeviceId": "string",
        "GlobalNetworkId": "string",
        "LinkId": "string",
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Connection

Information about the connection.

Type: Connection object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateCoreNetwork

Updates the description of a core network.

Request Syntax

```
PATCH /core-networks/coreNetworkId HTTP/1.1
Content-type: application/json

{
   "Description": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

coreNetworkId

The ID of a core network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

The description of the update.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
    "CoreNetwork": {
        "CoreNetworkArn": "string",
        "CoreNetworkId": "string",
        "CreatedAt": number,
        "Description": "string",
        "Edges": [
            {
                "Asn": number,
                "EdgeLocation": "string",
                "InsideCidrBlocks": [ "string" ]
            }
        ],
        "GlobalNetworkId": "string",
        "NetworkFunctionGroups": [
            {
                "EdgeLocations": [ "string" ],
                "Name": "string",
                "Segments": {
                    "SendTo": [ "string" ],
                    "SendVia": [ "string" ]
                }
            }
        ],
        "Segments": [
            {
                "EdgeLocations": [ "string" ],
                "Name": "string",
                "SharedSegments": [ "string" ]
            }
        ],
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ]
```

```
        }
    }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

CoreNetwork

Returns information about a core network update.

Type: CoreNetwork object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateDevice

Updates the details for an existing device. To remove information for any of the parameters, specify an empty string.

Request Syntax

```
PATCH /global-networks/globalNetworkId/devices/deviceId HTTP/1.1
Content-type: application/json

{
   "AWSLocation": {
      "SubnetArn": "string",
      "Zone": "string"
   },
   "Description": "string",
   "Location": {
      "Address": "string",
      "Latitude": "string",
      "Longitude": "string"
   },
   "Model": "string",
   "SerialNumber": "string",
   "SiteId": "string",
   "Type": "string",
   "Vendor": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

deviceId

The ID of the device.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request accepts the following data in JSON format.

AWSLocation

The AWS location of the device, if applicable. For an on-premises device, you can omit this parameter.

Type: AWSLocation object

Required: No

Description

A description of the device.

Constraints: Maximum length of 256 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Location

Describes a location.

Type: Location object

Required: No

Model

The model of the device.

Constraints: Maximum length of 128 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

SerialNumber

The serial number of the device.

Constraints: Maximum length of 128 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

SiteId

The ID of the site.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

Type

The type of the device.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Vendor

The vendor of the device.

Constraints: Maximum length of 128 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Device": {
      "AWSLocation": {
         "SubnetArn": "string",
         "Zone": "string"
      },
      "CreatedAt": number,
      "Description": "string",
      "DeviceArn": "string",
      "DeviceId": "string",
      "GlobalNetworkId": "string",
      "Location": {
         "Address": "string",
         "Latitude": "string",
         "Longitude": "string"
      },
      "Model": "string",
      "SerialNumber": "string",
```

```
          "SiteId": "string",
          "State": "string",
          "Tags": [
             {
                "Key": "string",
                "Value": "string"
             }
          ],
          "Type": "string",
          "Vendor": "string"
      }
 }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Device

Information about the device.

Type: Device object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

> The specified resource could not be found.

ResourceId

> The ID of the resource.

ResourceType

> The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

> Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

> The fields that caused the error, if applicable.

Reason

> The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateDirectConnectGatewayAttachment

Updates the edge locations associated with an AWS Direct Connect gateway attachment.

Request Syntax

```
PATCH /direct-connect-gateway-attachments/attachmentId HTTP/1.1
Content-type: application/json

{
   "EdgeLocations": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

attachmentId

The ID of the Direct Connect gateway attachment for the updated edge locations.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

EdgeLocations

One or more edge locations to update for the Direct Connect gateway attachment. The updated array of edge locations overwrites the previous array of locations. `EdgeLocations` is only used for Direct Connect gateway attachments.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [\s\S]*

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "DirectConnectGatewayAttachment": {
      "Attachment": {
         "AttachmentId": "string",
         "AttachmentPolicyRuleNumber": number,
         "AttachmentType": "string",
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
         "EdgeLocations": [ "string" ],
         "LastModificationErrors": [
            {
               "Code": "string",
               "Message": "string",
               "RequestId": "string",
               "ResourceArn": "string"
            }
         ],
         "NetworkFunctionGroupName": "string",
         "OwnerAccountId": "string",
         "ProposedNetworkFunctionGroupChange": {
            "AttachmentPolicyRuleNumber": number,
            "NetworkFunctionGroupName": "string",
            "Tags": [
               {
                  "Key": "string",
                  "Value": "string"
               }
            ]
         },
         "ProposedSegmentChange": {
            "AttachmentPolicyRuleNumber": number,
            "SegmentName": "string",
```

```
                    "Tags": [
                        {
                            "Key": "string",
                            "Value": "string"
                        }
                    ]
                },
                "ResourceArn": "string",
                "SegmentName": "string",
                "State": "string",
                "Tags": [
                    {
                        "Key": "string",
                        "Value": "string"
                    }
                ],
                "UpdatedAt": number
            },
            "DirectConnectGatewayArn": "string"
        }
    }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

DirectConnectGatewayAttachment

Returns details of the Direct Connect gateway attachment with the updated edge locations.

Type: DirectConnectGatewayAttachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateGlobalNetwork

Updates an existing global network. To remove information for any of the parameters, specify an empty string.

Request Syntax

```
PATCH /global-networks/globalNetworkId HTTP/1.1
Content-type: application/json

{
    "Description": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

The ID of your global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

A description of the global network.

Constraints: Maximum length of 256 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "GlobalNetwork": {
      "CreatedAt": number,
      "Description": "string",
      "GlobalNetworkArn": "string",
      "GlobalNetworkId": "string",
      "State": "string",
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ]
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

GlobalNetwork

Information about the global network object.

Type: GlobalNetwork object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateLink

Updates the details for an existing link. To remove information for any of the parameters, specify an empty string.

Request Syntax

```
PATCH /global-networks/globalNetworkId/links/linkId HTTP/1.1
Content-type: application/json

{
   "Bandwidth": {
      "DownloadSpeed": number,
      "UploadSpeed": number
   },
   "Description": "string",
   "Provider": "string",
   "Type": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

   The ID of the global network.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

   Required: Yes

linkId

   The ID of the link.

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

   Required: Yes

Request Body

The request accepts the following data in JSON format.

Bandwidth

The upload and download speed in Mbps.

Type: Bandwidth object

Required: No

Description

A description of the link.

Constraints: Maximum length of 256 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Provider

The provider of the link.

Constraints: Maximum length of 128 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Type

The type of the link.

Constraints: Maximum length of 128 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Link": {
      "Bandwidth": {
         "DownloadSpeed": number,
         "UploadSpeed": number
      },
      "CreatedAt": number,
      "Description": "string",
      "GlobalNetworkId": "string",
      "LinkArn": "string",
      "LinkId": "string",
      "Provider": "string",
      "SiteId": "string",
      "State": "string",
      "Tags": [
         {
            "Key": "string",
            "Value": "string"
         }
      ],
      "Type": "string"
   }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Link

Information about the link.

Type: Link object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

>   The ID of the resource.

ResourceType

>   The resource type.

HTTP Status Code: 404

ServiceQuotaExceededException

A service limit was exceeded.

LimitCode

>   The limit code.

Message

>   The error message.

ResourceId

>   The ID of the resource.

ResourceType

>   The resource type.

ServiceCode

>   The service code.

HTTP Status Code: 402

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

>   Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS Command Line Interface V2
- AWS SDK for .NET V4
- AWS SDK for C++
- AWS SDK for Go v2
- AWS SDK for Java V2
- AWS SDK for JavaScript V3
- AWS SDK for Kotlin
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V3

UpdateNetworkResourceMetadata

Updates the resource metadata for the specified global network.

Request Syntax

```
PATCH /global-networks/globalNetworkId/network-resources/resourceArn/metadata HTTP/1.1
Content-type: application/json

{
    "Metadata": {
        "string" : "string"
    }
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

resourceArn

The ARN of the resource.

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Required: Yes

Request Body

The request accepts the following data in JSON format.

Metadata

The resource metadata.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 256.

Key Pattern: [\s\S]*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: [\s\S]*

Required: Yes

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Metadata": {
      "string" : "string"
   },
   "ResourceArn": "string"
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Metadata

The updated resource metadata.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 256.

Key Pattern: [\s\S]*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: [\s\S]*

ResourceArn

The ARN of the resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateSite

Updates the information for an existing site. To remove information for any of the parameters, specify an empty string.

Request Syntax

```
PATCH /global-networks/globalNetworkId/sites/siteId HTTP/1.1
Content-type: application/json

{
    "Description": "string",
    "Location": {
        "Address": "string",
        "Latitude": "string",
        "Longitude": "string"
    }
}
```

URI Request Parameters

The request uses the following URI parameters.

globalNetworkId

The ID of the global network.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

siteId

The ID of your site.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: Yes

Request Body

The request accepts the following data in JSON format.

Description

A description of your site.

Constraints: Maximum length of 256 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Location

The site location:

- `Address`: The physical address of the site.
- `Latitude`: The latitude of the site.
- `Longitude`: The longitude of the site.

Type: Location object

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "Site": {
      "CreatedAt": number,
      "Description": "string",
      "GlobalNetworkId": "string",
      "Location": {
         "Address": "string",
         "Latitude": "string",
```

```
            "Longitude": "string"
        },
        "SiteArn": "string",
        "SiteId": "string",
        "State": "string",
        "Tags": [
            {
                "Key": "string",
                "Value": "string"
            }
        ]
    }
}
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

Site

Information about the site.

Type: Site object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateVpcAttachment

Updates a VPC attachment.

Request Syntax

```
PATCH /vpc-attachments/attachmentId HTTP/1.1
Content-type: application/json

{
   "AddSubnetArns": [ "string" ],
   "Options": {
      "ApplianceModeSupport": boolean,
      "DnsSupport": boolean,
      "Ipv6Support": boolean,
      "SecurityGroupReferencingSupport": boolean
   },
   "RemoveSubnetArns": [ "string" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

attachmentId

The ID of the attachment.

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

Required: Yes

Request Body

The request accepts the following data in JSON format.

AddSubnetArns

Adds a subnet ARN to the VPC attachment.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `^arn:[^:]{1,63}:ec2:[^:]{0,63}:[^:]{0,63}:subnet\/subnet-[0-9a-f]{8,17}$|^$`

Required: No

Options

Additional options for updating the VPC attachment.

Type: VpcOptions object

Required: No

RemoveSubnetArns

Removes a subnet ARN from the attachment.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `^arn:[^:]{1,63}:ec2:[^:]{0,63}:[^:]{0,63}:subnet\/subnet-[0-9a-f]{8,17}$|^$`

Required: No

Response Syntax

```
HTTP/1.1 200
Content-type: application/json

{
   "VpcAttachment": {
      "Attachment": {
         "AttachmentId": "string",
         "AttachmentPolicyRuleNumber": number,
         "AttachmentType": "string",
         "CoreNetworkArn": "string",
         "CoreNetworkId": "string",
         "CreatedAt": number,
         "EdgeLocation": "string",
```

```
            "EdgeLocations": [ "string" ],
            "LastModificationErrors": [
               {
                   "Code": "string",
                   "Message": "string",
                   "RequestId": "string",
                   "ResourceArn": "string"
               }
            ],
            "NetworkFunctionGroupName": "string",
            "OwnerAccountId": "string",
            "ProposedNetworkFunctionGroupChange": {
               "AttachmentPolicyRuleNumber": number,
               "NetworkFunctionGroupName": "string",
               "Tags": [
                   {
                       "Key": "string",
                       "Value": "string"
                   }
               ]
            },
            "ProposedSegmentChange": {
               "AttachmentPolicyRuleNumber": number,
               "SegmentName": "string",
               "Tags": [
                   {
                       "Key": "string",
                       "Value": "string"
                   }
               ]
            },
            "ResourceArn": "string",
            "SegmentName": "string",
            "State": "string",
            "Tags": [
               {
                   "Key": "string",
                   "Value": "string"
               }
            ],
            "UpdatedAt": number
         },
         "Options": {
            "ApplianceModeSupport": boolean,
```

```
            "DnsSupport": boolean,
            "Ipv6Support": boolean,
            "SecurityGroupReferencingSupport": boolean
        },
        "SubnetArns": [ "string" ]
    }
 }
```

Response Elements

If the action is successful, the service sends back an HTTP 200 response.

The following data is returned in JSON format by the service.

VpcAttachment

Describes the updated VPC attachment.

Type: VpcAttachment object

Errors

For information about the errors that are common to all actions, see Common Errors.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

There was a conflict processing the request. Updating or deleting the resource can cause an inconsistent state.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 409

InternalServerException

The request has failed due to an internal error.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 500

ResourceNotFoundException

The specified resource could not be found.

Context

The specified resource could not be found.

ResourceId

The ID of the resource.

ResourceType

The resource type.

HTTP Status Code: 404

ThrottlingException

The request was denied due to request throttling.

RetryAfterSeconds

Indicates when to retry the request.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the constraints.

Fields

The fields that caused the error, if applicable.

Reason

The reason for the error.

HTTP Status Code: 400

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the
following:

- [AWS Command Line Interface V2](#)
- [AWS SDK for .NET V4](#)
- [AWS SDK for C++](#)
- [AWS SDK for Go v2](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for Kotlin](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

Data Types

The AWS Network Manager API contains several data types that various actions use. This section describes each data type in detail.

> **ⓘ Note**
>
> The order of each element in a data type structure is not guaranteed. Applications should not assume a particular order.

The following data types are supported:

- AccountStatus
- Attachment
- AttachmentError
- AttachmentRoutingPolicyAssociationSummary
- AWSLocation
- Bandwidth
- BgpOptions
- ConnectAttachment
- ConnectAttachmentOptions
- Connection
- ConnectionHealth
- ConnectPeer
- ConnectPeerAssociation
- ConnectPeerBgpConfiguration
- ConnectPeerConfiguration
- ConnectPeerError
- ConnectPeerSummary
- CoreNetwork
- CoreNetworkChange
- CoreNetworkChangeEvent

- CoreNetworkChangeEventValues

- CoreNetworkChangeValues

- CoreNetworkEdge

- CoreNetworkNetworkFunctionGroup

- CoreNetworkNetworkFunctionGroupIdentifier

- CoreNetworkPolicy

- CoreNetworkPolicyError

- CoreNetworkPolicyVersion

- CoreNetworkRoutingInformation

- CoreNetworkSegment

- CoreNetworkSegmentEdgeIdentifier

- CoreNetworkSummary

- CustomerGatewayAssociation

- Device

- DirectConnectGatewayAttachment

- EdgeOverride

- GlobalNetwork

- Link

- LinkAssociation

- Location

- NetworkFunctionGroup

- NetworkResource

- NetworkResourceCount

- NetworkResourceSummary

- NetworkRoute

- NetworkRouteDestination

- NetworkTelemetry

- OrganizationStatus

- PathComponent

- Peering

- PeeringError
- PermissionsErrorContext
- PrefixListAssociation
- ProposedNetworkFunctionGroupChange
- ProposedSegmentChange
- Relationship
- RouteAnalysis
- RouteAnalysisCompletion
- RouteAnalysisEndpointOptions
- RouteAnalysisEndpointOptionsSpecification
- RouteAnalysisPath
- RouteTableIdentifier
- RoutingInformationNextHop
- RoutingPolicyAssociationDetail
- ServiceInsertionAction
- ServiceInsertionSegments
- Site
- SiteToSiteVpnAttachment
- Tag
- TransitGatewayConnectPeerAssociation
- TransitGatewayPeering
- TransitGatewayRegistration
- TransitGatewayRegistrationStateReason
- TransitGatewayRouteTableAttachment
- ValidationExceptionField
- Via
- VpcAttachment
- VpcOptions
- WhenSentTo

AccountStatus

Describes the current status of an account within an Amazon Web Services Organization, including service-linked roles (SLRs).

Contents

AccountId

The ID of an account within the Amazon Web Services Organization.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Required: No

SLRDeploymentStatus

The status of SLR deployment for the account.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Attachment

Describes a core network attachment.

Contents

AttachmentId

   The ID of the attachment.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: `^attachment-([0-9a-f]{8,17})$`

   Required: No

AttachmentPolicyRuleNumber

   The policy rule number associated with the attachment.

   Type: Integer

   Required: No

AttachmentType

   The type of attachment.

   Type: String

   Valid Values: `CONNECT` | `SITE_TO_SITE_VPN` | `VPC` | `DIRECT_CONNECT_GATEWAY` | `TRANSIT_GATEWAY_ROUTE_TABLE`

   Required: No

CoreNetworkArn

   The ARN of a core network.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Required: No

CoreNetworkId

The ID of a core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: No

CreatedAt

The timestamp when the attachment was created.

Type: Timestamp

Required: No

EdgeLocation

The Region where the edge is located. This is returned for all attachment types except a Direct Connect gateway attachment, which instead returns `EdgeLocations`.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [\s\S]*

Required: No

EdgeLocations

The edge locations that the Direct Connect gateway is associated with. This is returned only for Direct Connect gateway attachments. All other attachment types retrun `EdgeLocation`.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [\s\S]*

Required: No

LastModificationErrors

Describes the error associated with the attachment request.

Type: Array of [AttachmentError](#) objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

NetworkFunctionGroupName

The name of the network function group.

Type: String

Pattern: [\s\S]*

Required: No

OwnerAccountId

The ID of the attachment account owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: [\s\S]*

Required: No

ProposedNetworkFunctionGroupChange

Describes a proposed change to a network function group associated with the attachment.

Type: [ProposedNetworkFunctionGroupChange](#) object

Required: No

ProposedSegmentChange

The attachment to move from one segment to another.

Type: ProposedSegmentChange object

Required: No

ResourceArn

The attachment resource ARN.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: `[\s\S]*`

Required: No

SegmentName

The name of the segment attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

State

The state of the attachment.

Type: String

Valid Values: `REJECTED | PENDING_ATTACHMENT_ACCEPTANCE | CREATING | FAILED | AVAILABLE | UPDATING | PENDING_NETWORK_UPDATE | PENDING_TAG_ACCEPTANCE | DELETING`

Required: No

Tags

The tags associated with the attachment.

Type: Array of [Tag](Tag) objects

Required: No

UpdatedAt

The timestamp when the attachment was last updated.

Type: Timestamp

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

AttachmentError

Describes the error associated with an attachment request.

Contents

Code

 The error code for the attachment request.

 Type: String

 Valid Values: `VPC_NOT_FOUND` | `SUBNET_NOT_FOUND` |
 `SUBNET_DUPLICATED_IN_AVAILABILITY_ZONE` | `SUBNET_NO_FREE_ADDRESSES`
 | `SUBNET_UNSUPPORTED_AVAILABILITY_ZONE` | `SUBNET_NO_IPV6_CIDRS`
 | `SECURITY_GROUP_REFERENCING_UNSUPPORTED_AVAILABILITY_ZONE` |
 `VPN_CONNECTION_NOT_FOUND` | `MAXIMUM_NO_ENCAP_LIMIT_EXCEEDED` |
 `DIRECT_CONNECT_GATEWAY_NOT_FOUND` |
 `DIRECT_CONNECT_GATEWAY_EXISTING_ATTACHMENTS` |
 `DIRECT_CONNECT_GATEWAY_NO_PRIVATE_VIF` | `VPN_EXISTING_ASSOCIATIONS` |
 `VPC_UNSUPPORTED_FEATURES`

 Required: No

Message

 The message associated with the error code.

 Type: String

 Length Constraints: Minimum length of 0. Maximum length of 10000000.

 Pattern: `[\s\S]*`

 Required: No

RequestId

 The ID of the attachment request.

 Type: String

 Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: No

ResourceArn

The ARN of the requested attachment resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AttachmentRoutingPolicyAssociationSummary

Summary information about routing policy associations for an attachment.

Contents

AssociatedRoutingPolicies

The list of routing policies currently associated with the attachment.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

AttachmentId

The ID of the attachment associated with the routing policy.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: ^attachment-([0-9a-f]{8,17})$

Required: No

PendingRoutingPolicies

The list of routing policies that are pending association with the attachment.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

RoutingPolicyLabel

The routing policy label associated with the attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AWSLocation

Specifies a location in AWS.

Contents

SubnetArn

The Amazon Resource Name (ARN) of the subnet that the device is located in.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `^arn:[^:]{1,63}:ec2:[^:]{0,63}:[^:]{0,63}:subnet\/subnet-[0-9a-f]{8,17}$|^$`

Required: No

Zone

The Zone that the device is located in. Specify the ID of an Availability Zone, Local Zone, Wavelength Zone, or an Outpost.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Bandwidth

Describes bandwidth information.

Contents

DownloadSpeed

Download speed in Mbps.

Type: Integer

Required: No

UploadSpeed

Upload speed in Mbps.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

BgpOptions

Describes the BGP options.

Contents

PeerAsn

   The Peer ASN of the BGP.

   Type: Long

   Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ConnectAttachment

Describes a core network Connect attachment.

Contents

Attachment

> The attachment details.
>
> Type: [Attachment](#) object
>
> Required: No

Options

> Options for connecting an attachment.
>
> Type: [ConnectAttachmentOptions](#) object
>
> Required: No

TransportAttachmentId

> The ID of the transport attachment.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: `^attachment-([0-9a-f]{8,17})$`
>
> Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ConnectAttachmentOptions

Describes a core network Connect attachment options.

Contents

Protocol

The protocol used for the attachment connection.

Type: String

Valid Values: GRE | NO_ENCAP

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Connection

Describes a connection.

Contents

ConnectedDeviceId

>   The ID of the second device in the connection.
>
>   Type: String
>
>   Length Constraints: Minimum length of 0. Maximum length of 50.
>
>   Pattern: [\s\S]*
>
>   Required: No

ConnectedLinkId

>   The ID of the link for the second device in the connection.
>
>   Type: String
>
>   Length Constraints: Minimum length of 0. Maximum length of 50.
>
>   Pattern: [\s\S]*
>
>   Required: No

ConnectionArn

>   The Amazon Resource Name (ARN) of the connection.
>
>   Type: String
>
>   Length Constraints: Minimum length of 0. Maximum length of 500.
>
>   Pattern: [\s\S]*
>
>   Required: No

ConnectionId

>   The ID of the connection.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

CreatedAt

The date and time that the connection was created.

Type: Timestamp

Required: No

Description

The description of the connection.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

DeviceId

The ID of the first device in the connection.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

GlobalNetworkId

The ID of the global network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

LinkId

The ID of the link for the first device in the connection.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

State

The state of the connection.

Type: String

Valid Values: PENDING | AVAILABLE | DELETING | UPDATING

Required: No

Tags

The tags for the connection.

Type: Array of Tag objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectionHealth

Describes connection health.

Contents

Status

> The connection status.
>
> Type: String
>
> Valid Values: UP | DOWN
>
> Required: No

Timestamp

> The time the status was last updated.
>
> Type: Timestamp
>
> Required: No

Type

> The connection type.
>
> Type: String
>
> Valid Values: BGP | IPSEC
>
> Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ConnectPeer

Describes a core network Connect peer.

Contents

Configuration

> The configuration of the Connect peer.
>
> Type: [ConnectPeerConfiguration](#) object
>
> Required: No

ConnectAttachmentId

> The ID of the attachment to connect.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: `^attachment-([0-9a-f]{8,17})$`
>
> Required: No

ConnectPeerId

> The ID of the Connect peer.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: `^connect-peer-([0-9a-f]{8,17})$`
>
> Required: No

CoreNetworkId

> The ID of a core network.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: No

CreatedAt

The timestamp when the Connect peer was created.

Type: Timestamp

Required: No

EdgeLocation

The Connect peer Regions where edges are located.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[\s\S]*`

Required: No

LastModificationErrors

Describes the error associated with the attachment request.

Type: Array of ConnectPeerError objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

State

The state of the Connect peer.

Type: String

Valid Values: `CREATING | FAILED | AVAILABLE | DELETING`

Required: No

SubnetArn

The subnet ARN for the Connect peer. This only applies only when the protocol is NO_ENCAP.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `^arn:[^:]{1,63}:ec2:[^:]{0,63}:[^:]{0,63}:subnet\/subnet-[0-9a-f]{8,17}$|^$`

Required: No

Tags

The list of key-value tags associated with the Connect peer.

Type: Array of [Tag](#) objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ConnectPeerAssociation

Describes a core network Connect peer association.

Contents

ConnectPeerId

The ID of the Connect peer.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^connect-peer-([0-9a-f]{8,17})$`

Required: No

DeviceId

The ID of the device to connect to.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `[\s\S]*`

Required: No

GlobalNetworkId

The ID of the global network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `[\s\S]*`

Required: No

LinkId

The ID of the link.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

State

The state of the Connect peer association.

Type: String

Valid Values: PENDING | AVAILABLE | DELETING | DELETED

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ConnectPeerBgpConfiguration

Describes a core network BGP configuration.

Contents

CoreNetworkAddress

The address of a core network.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: [\s\S]*

Required: No

CoreNetworkAsn

The ASN of the Coret Network.

Type: Long

Required: No

PeerAddress

The address of a core network Connect peer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: [\s\S]*

Required: No

PeerAsn

The ASN of the Connect peer.

Type: Long

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ConnectPeerConfiguration

Describes a core network Connect peer configuration.

Contents

BgpConfigurations

The Connect peer BGP configurations.

Type: Array of ConnectPeerBgpConfiguration objects

Required: No

CoreNetworkAddress

The IP address of a core network.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: [\s\S]*

Required: No

InsideCidrBlocks

The inside IP addresses used for a Connect peer configuration.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

PeerAddress

The IP address of the Connect peer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: `[\s\S]*`

Required: No

Protocol

The protocol used for a Connect peer configuration.

Type: String

Valid Values: `GRE | NO_ENCAP`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ConnectPeerError

Describes an error associated with a Connect peer request

Contents

Code

The error code for the Connect peer request.

Type: String

Valid Values: EDGE_LOCATION_NO_FREE_IPS | EDGE_LOCATION_PEER_DUPLICATE | SUBNET_NOT_FOUND | IP_OUTSIDE_SUBNET_CIDR_RANGE | INVALID_INSIDE_CIDR_BLOCK | NO_ASSOCIATED_CIDR_BLOCK

Required: No

Message

The message associated with the error code.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: No

RequestId

The ID of the Connect peer request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: No

ResourceArn

The ARN of the requested Connect peer resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ConnectPeerSummary

Summary description of a Connect peer.

Contents

ConnectAttachmentId

> The ID of a Connect peer attachment.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: `^attachment-([0-9a-f]{8,17})$`
>
> Required: No

ConnectPeerId

> The ID of a Connect peer.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 50.
>
> Pattern: `^connect-peer-([0-9a-f]{8,17})$`
>
> Required: No

ConnectPeerState

> The state of a Connect peer.
>
> Type: String
>
> Valid Values: `CREATING | FAILED | AVAILABLE | DELETING`
>
> Required: No

CoreNetworkId

> The ID of a core network.
>
> Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: No

CreatedAt

The timestamp when a Connect peer was created.

Type: Timestamp

Required: No

EdgeLocation

The Region where the edge is located.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[\s\S]*`

Required: No

SubnetArn

The subnet ARN for the Connect peer summary.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `^arn:[^:]{1,63}:ec2:[^:]{0,63}:[^:]{0,63}:subnet\/subnet-[0-9a-f]{8,17}$|^$`

Required: No

Tags

The list of key-value tags associated with the Connect peer summary.

Type: Array of [Tag](Tag) objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CoreNetwork

Describes a core network.

Contents

CoreNetworkArn

The ARN of a core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Required: No

CoreNetworkId

The ID of a core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: ^core-network-([0-9a-f]{8,17})$

Required: No

CreatedAt

The timestamp when a core network was created.

Type: Timestamp

Required: No

Description

The description of a core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

Edges

The edges within a core network.

Type: Array of [CoreNetworkEdge](#) objects

Required: No

GlobalNetworkId

The ID of the global network that your core network is a part of.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `[\s\S]*`

Required: No

NetworkFunctionGroups

The network function groups associated with a core network.

Type: Array of [CoreNetworkNetworkFunctionGroup](#) objects

Required: No

Segments

The segments within a core network.

Type: Array of [CoreNetworkSegment](#) objects

Required: No

State

The current state of a core network.

Type: String

Valid Values: `CREATING | UPDATING | AVAILABLE | DELETING`

Required: No

Tags

The list of key-value tags associated with a core network.

Type: Array of Tag objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CoreNetworkChange

Details describing a core network change.

Contents

Action

The action to take for a core network.

Type: String

Valid Values: `ADD | MODIFY | REMOVE`

Required: No

Identifier

The resource identifier.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

IdentifierPath

Uniquely identifies the path for a change within the changeset. For example, the `IdentifierPath` for a core network segment change might be `"CORE_NETWORK_SEGMENT/ us-east-1/devsegment"`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

NewValues

The new value for a core network

Type: [CoreNetworkChangeValues](#) object

Required: No

PreviousValues

The previous values for a core network.

Type: [CoreNetworkChangeValues](#) object

Required: No

Type

The type of change.

Type: String

Valid Values: `CORE_NETWORK_SEGMENT` | `NETWORK_FUNCTION_GROUP` | `CORE_NETWORK_EDGE` | `ATTACHMENT_MAPPING` | `ATTACHMENT_ROUTE_PROPAGATION` | `ATTACHMENT_ROUTE_STATIC` | `ROUTING_POLICY` | `ROUTING_POLICY_SEGMENT_ASSOCIATION` | `ROUTING_POLICY_EDGE_ASSOCIATION` | `ROUTING_POLICY_ATTACHMENT_ASSOCIATION` | `CORE_NETWORK_CONFIGURATION` | `SEGMENTS_CONFIGURATION` | `SEGMENT_ACTIONS_CONFIGURATION` | `ATTACHMENT_POLICIES_CONFIGURATION`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CoreNetworkChangeEvent

Describes a core network change event. This can be a change to a segment, attachment, route, etc.

Contents

Action

The action taken for the change event.

Type: String

Valid Values: `ADD | MODIFY | REMOVE`

Required: No

EventTime

The timestamp for an event change in status.

Type: Timestamp

Required: No

IdentifierPath

Uniquely identifies the path for a change within the changeset. For example, the `IdentifierPath` for a core network segment change might be `"CORE_NETWORK_SEGMENT/ us-east-1/devsegment"`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

Status

The status of the core network change event.

Type: String

Valid Values: `NOT_STARTED | IN_PROGRESS | COMPLETE | FAILED`

Required: No

Type

Describes the type of change event.

Type: String

Valid Values: CORE_NETWORK_SEGMENT | NETWORK_FUNCTION_GROUP |
CORE_NETWORK_EDGE | ATTACHMENT_MAPPING | ATTACHMENT_ROUTE_PROPAGATION |
ATTACHMENT_ROUTE_STATIC | ROUTING_POLICY |
ROUTING_POLICY_SEGMENT_ASSOCIATION | ROUTING_POLICY_EDGE_ASSOCIATION
| ROUTING_POLICY_ATTACHMENT_ASSOCIATION | CORE_NETWORK_CONFIGURATION
| SEGMENTS_CONFIGURATION | SEGMENT_ACTIONS_CONFIGURATION |
ATTACHMENT_POLICIES_CONFIGURATION

Required: No

Values

Details of the change event.

Type: [CoreNetworkChangeEventValues](#) object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the
following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CoreNetworkChangeEventValues

Describes a core network change event.

Contents

AttachmentId

The ID of the attachment if the change event is associated with an attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

Required: No

Cidr

For a `STATIC_ROUTE` event, this is the IP address.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

EdgeLocation

The edge location for the core network change event.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[\s\S]*`

Required: No

NetworkFunctionGroupName

The changed network function group name.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

PeerEdgeLocation

The edge location of the peer in a core network change event.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [\s\S]*

Required: No

RoutingPolicyAssociationDetails

The names of the routing policies and other association details in the core network change values.

Type: Array of RoutingPolicyAssociationDetail objects

Required: No

RoutingPolicyDirection

The routing policy direction (inbound/outbound) in a core network change event.

Type: String

Valid Values: `inbound | outbound`

Required: No

SegmentName

The segment name if the change event is associated with a segment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CoreNetworkChangeValues

Describes a core network change.

Contents

Asn

  The ASN of a core network.

  Type: Long

  Required: No

AttachmentId

  The attachment identifier in the core network change values.

  Type: String

  Length Constraints: Minimum length of 0. Maximum length of 256.

  Pattern: [\s\S]*

  Required: No

Cidr

  The IP addresses used for a core network.

  Type: String

  Length Constraints: Minimum length of 0. Maximum length of 256.

  Pattern: [\s\S]*

  Required: No

DestinationIdentifier

  The ID of the destination.

  Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

DnsSupport

Indicates whether public DNS support is supported. The default is `true`.

Type: Boolean

Required: No

EdgeLocations

The Regions where edges are located in a core network.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [\s\S]*

Required: No

InsideCidrBlocks

The inside IP addresses used for core network change values.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

NetworkFunctionGroupName

The network function group name if the change event is associated with a network function group.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

PeerEdgeLocations

The edge locations of peers in the core network change values.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[\s\S]*`

Required: No

RoutingPolicy

The routing policy configuration in the core network change values.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: `[\s\S]*`

Required: No

RoutingPolicyAssociationDetails

The names of the routing policies and other association details in the core network change values.

Type: Array of RoutingPolicyAssociationDetail objects

Required: No

RoutingPolicyDirection

The routing policy direction (inbound/outbound) in a core network change event.

Type: String

Valid Values: `inbound | outbound`

Required: No

SecurityGroupReferencingSupport

Indicates whether security group referencing is enabled for the core network.

Type: Boolean

Required: No

SegmentName

The names of the segments in a core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

ServiceInsertionActions

Describes the service insertion action.

Type: Array of [ServiceInsertionAction](#) objects

Required: No

SharedSegments

The shared segments for a core network change value.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

VpnEcmpSupport

Indicates whether Equal Cost Multipath (ECMP) is enabled for the core network.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CoreNetworkEdge

Describes a core network edge.

Contents

Asn

>   The ASN of a core network edge.

>   Type: Long

>   Required: No

EdgeLocation

>   The Region where a core network edge is located.

>   Type: String

>   Length Constraints: Minimum length of 1. Maximum length of 63.

>   Pattern: [\s\S]*

>   Required: No

InsideCidrBlocks

>   The inside IP addresses used for core network edges.

>   Type: Array of strings

>   Length Constraints: Minimum length of 0. Maximum length of 256.

>   Pattern: [\s\S]*

>   Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CoreNetworkNetworkFunctionGroup

Describes a network function group.

Contents

EdgeLocations

The core network edge locations.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [\s\S]*

Required: No

Name

The name of the network function group.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Segments

The segments associated with the network function group.

Type: ServiceInsertionSegments object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CoreNetworkNetworkFunctionGroupIdentifier

Describes a core network

Contents

CoreNetworkId

The ID of the core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: No

EdgeLocation

The location for the core network edge.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[\s\S]*`

Required: No

NetworkFunctionGroupName

The network function group name.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CoreNetworkPolicy

Describes a core network policy. You can have only one LIVE Core Policy.

Contents

Alias

Whether a core network policy is the current LIVE policy or the most recently submitted policy.

Type: String

Valid Values: `LIVE` | `LATEST`

Required: No

ChangeSetState

The state of a core network policy.

Type: String

Valid Values: `PENDING_GENERATION` | `FAILED_GENERATION` | `READY_TO_EXECUTE` | `EXECUTING` | `EXECUTION_SUCCEEDED` | `OUT_OF_DATE`

Required: No

CoreNetworkId

The ID of a core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: No

CreatedAt

The timestamp when a core network policy was created.

Type: Timestamp

Required: No

Description

The description of a core network policy.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

PolicyDocument

Describes a core network policy.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: No

PolicyErrors

Describes any errors in a core network policy.

Type: Array of [CoreNetworkPolicyError](#) objects

Required: No

PolicyVersionId

The ID of the policy version.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

CoreNetworkPolicyError

Provides details about an error in a core network policy.

Contents

ErrorCode

The error code associated with a core network policy error.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: Yes

Message

The message associated with a core network policy error code.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: Yes

Path

The JSON path where the error was discovered in the policy document.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CoreNetworkPolicyVersion

Describes a core network policy version.

Contents

Alias

Whether a core network policy is the current policy or the most recently submitted policy.

Type: String

Valid Values: `LIVE | LATEST`

Required: No

ChangeSetState

The status of the policy version change set.

Type: String

Valid Values: `PENDING_GENERATION | FAILED_GENERATION | READY_TO_EXECUTE | EXECUTING | EXECUTION_SUCCEEDED | OUT_OF_DATE`

Required: No

CoreNetworkId

The ID of a core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: No

CreatedAt

The timestamp when a core network policy version was created.

Type: Timestamp

Required: No

Description

The description of a core network policy version.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

PolicyVersionId

The ID of the policy version.

Type: Integer

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CoreNetworkRoutingInformation

Routing information for a core network, including route details and BGP attributes.

Contents

AsPath

    The BGP AS path for the route.

    Type: Array of strings

    Length Constraints: Minimum length of 0. Maximum length of 256.

    Pattern: [\s\S]*

    Required: No

Communities

    The BGP community values for the route.

    Type: Array of strings

    Length Constraints: Minimum length of 0. Maximum length of 256.

    Pattern: [\s\S]*

    Required: No

LocalPreference

    The BGP local preference value for the route.

    Type: String

    Length Constraints: Minimum length of 0. Maximum length of 256.

    Pattern: [\s\S]*

    Required: No

Med

    The BGP Multi-Exit Discriminator (MED) value for the route.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

NextHop

The next hop information for the route.

Type: [RoutingInformationNextHop](#) object

Required: No

Prefix

The IP prefix for the route.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CoreNetworkSegment

Describes a core network segment, which are dedicated routes. Only attachments within this segment can communicate with each other.

Contents

EdgeLocations

The Regions where the edges are located.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [\s\S]*

Required: No

Name

The name of a core network segment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

SharedSegments

The shared segments of a core network.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CoreNetworkSegmentEdgeIdentifier

Returns details about a core network edge.

Contents

CoreNetworkId

The ID of a core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: No

EdgeLocation

The Region where the segment edge is located.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[\s\S]*`

Required: No

SegmentName

The name of the segment edge.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CoreNetworkSummary

Returns summary information about a core network.

Contents

CoreNetworkArn

   a core network ARN.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 500.

   Pattern: `[\s\S]*`

   Required: No

CoreNetworkId

   The ID of a core network.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: `^core-network-([0-9a-f]{8,17})$`

   Required: No

Description

   The description of a core network.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 256.

   Pattern: `[\s\S]*`

   Required: No

GlobalNetworkId

   The global network ID.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

OwnerAccountId

The ID of the account owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: [\s\S]*

Required: No

State

The state of a core network.

Type: String

Valid Values: `CREATING | UPDATING | AVAILABLE | DELETING`

Required: No

Tags

The key-value tags associated with a core network summary.

Type: Array of [Tag](#) objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CustomerGatewayAssociation

Describes the association between a customer gateway, a device, and a link.

Contents

CustomerGatewayArn

   The Amazon Resource Name (ARN) of the customer gateway.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 500.

   Pattern: [\s\S]*

   Required: No

DeviceId

   The ID of the device.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

   Required: No

GlobalNetworkId

   The ID of the global network.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: [\s\S]*

   Required: No

LinkId

   The ID of the link.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

State

The association state.

Type: String

Valid Values: PENDING | AVAILABLE | DELETING | DELETED

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Device

Describes a device.

Contents

AWSLocation

> The AWS location of the device.
>
> Type: AWSLocation object
>
> Required: No

CreatedAt

> The date and time that the site was created.
>
> Type: Timestamp
>
> Required: No

Description

> The description of the device.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 256.
>
> Pattern: [\s\S]*
>
> Required: No

DeviceArn

> The Amazon Resource Name (ARN) of the device.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 500.
>
> Pattern: [\s\S]*
>
> Required: No

DeviceId

The ID of the device.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

GlobalNetworkId

The ID of the global network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

Location

The site location.

Type: [Location](#) object

Required: No

Model

The device model.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

SerialNumber

The device serial number.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

SiteId

The site ID.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

State

The device state.

Type: String

Valid Values: PENDING | AVAILABLE | DELETING | UPDATING

Required: No

Tags

The tags for the device.

Type: Array of Tag objects

Required: No

Type

The device type.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Vendor

The device vendor.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

DirectConnectGatewayAttachment

Describes a Direct Connect gateway attachment.

Contents

Attachment

Describes a core network attachment.

Type: [Attachment](#) object

Required: No

DirectConnectGatewayArn

The Direct Connect gateway attachment ARN.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `^arn:[^:]{1,63}:directconnect::[^:]{0,63}:dx-gateway\/[0-9a-f]{8}-([0-9a-f]{4}-){3}[0-9a-f]{12}$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

EdgeOverride

Describes the edge that's used for the override.

Contents

EdgeSets

The list of edge locations.

Type: Array of arrays of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

UseEdge

The edge that should be used when overriding the current edge order.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

GlobalNetwork

Describes a global network. This is a single private network acting as a high-level container for your network objects, including an AWS-managed Core Network.

Contents

CreatedAt

The date and time that the global network was created.

Type: Timestamp

Required: No

Description

The description of the global network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

GlobalNetworkArn

The Amazon Resource Name (ARN) of the global network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Required: No

GlobalNetworkId

The ID of the global network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `[\s\S]*`

Required: No

State

The state of the global network.

Type: String

Valid Values: `PENDING | AVAILABLE | DELETING | UPDATING`

Required: No

Tags

The tags for the global network.

Type: Array of [Tag](#) objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Link

Describes a link.

Contents

Bandwidth

The bandwidth for the link.

Type: [Bandwidth](#) object

Required: No

CreatedAt

The date and time that the link was created.

Type: Timestamp

Required: No

Description

The description of the link.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

GlobalNetworkId

The ID of the global network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

LinkArn

The Amazon Resource Name (ARN) of the link.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Required: No

LinkId

The ID of the link.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

Provider

The provider of the link.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

SiteId

The ID of the site.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

State

The state of the link.

Type: String

Valid Values: PENDING | AVAILABLE | DELETING | UPDATING

Required: No

Tags

The tags for the link.

Type: Array of [Tag](#) objects

Required: No

Type

The type of the link.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

LinkAssociation

Describes the association between a device and a link.

Contents

DeviceId

  The device ID for the link association.

  Type: String

  Length Constraints: Minimum length of 0. Maximum length of 50.

  Pattern: [\s\S]*

  Required: No

GlobalNetworkId

  The ID of the global network.

  Type: String

  Length Constraints: Minimum length of 0. Maximum length of 50.

  Pattern: [\s\S]*

  Required: No

LinkAssociationState

  The state of the association.

  Type: String

  Valid Values: PENDING | AVAILABLE | DELETING | DELETED

  Required: No

LinkId

  The ID of the link.

  Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

Location

Describes a location.

Contents

Address

The physical address.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Latitude

The latitude.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Longitude

The longitude.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

NetworkFunctionGroup

Describes a network function group for service insertion.

Contents

Name

The name of the network function group.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

NetworkResource

Describes a network resource.

Contents

AccountId

   The AWS account ID.

   Type: String

   Length Constraints: Fixed length of 12.

   Pattern: [\s\S]*

   Required: No

AwsRegion

   The AWS Region.

   Type: String

   Length Constraints: Minimum length of 1. Maximum length of 63.

   Pattern: [\s\S]*

   Required: No

CoreNetworkId

   The ID of a core network.

   Type: String

   Length Constraints: Minimum length of 0. Maximum length of 50.

   Pattern: ^core-network-([0-9a-f]{8,17})$

   Required: No

Definition

   Information about the resource, in JSON format. Network Manager gets this information by
   describing the resource using its Describe API call.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

DefinitionTimestamp

The time that the resource definition was retrieved.

Type: Timestamp

Required: No

Metadata

The resource metadata.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 256.

Key Pattern: [\s\S]*

Value Length Constraints: Minimum length of 0. Maximum length of 256.

Value Pattern: [\s\S]*

Required: No

RegisteredGatewayArn

The ARN of the gateway.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Required: No

ResourceArn

The ARN of the resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Required: No

ResourceId

The ID of the resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

ResourceType

The resource type.

The following are the supported resource types for Direct Connect:

- `dxcon`
- `dx-gateway`
- `dx-vif`

The following are the supported resource types for Network Manager:

- `attachment`
- `connect-peer`
- `connection`
- `core-network`
- `device`
- `link`
- `peering`
- `site`

The following are the supported resource types for Amazon VPC:

- `customer-gateway`

- `transit-gateway`

- `transit-gateway-attachment`

- `transit-gateway-connect-peer`

- `transit-gateway-route-table`

- `vpn-connection`

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Tags

The tags.

Type: Array of Tag objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

NetworkResourceCount

Describes a resource count.

Contents

Count

> The resource count.
>
> Type: Integer
>
> Required: No

ResourceType

> The resource type.
>
> Type: String
>
> Length Constraints: Minimum length of 0. Maximum length of 256.
>
> Pattern: [\s\S]*
>
> Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

NetworkResourceSummary

Describes a network resource.

Contents

Definition

Information about the resource, in JSON format. Network Manager gets this information by describing the resource using its Describe API call.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

IsMiddlebox

Indicates whether this is a middlebox appliance.

Type: Boolean

Required: No

NameTag

The value for the Name tag.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

RegisteredGatewayArn

The ARN of the gateway.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Required: No

ResourceArn

The ARN of the resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Required: No

ResourceType

The resource type.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

NetworkRoute

Describes a network route.

Contents

DestinationCidrBlock

A unique identifier for the route, such as a CIDR block.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Destinations

The destinations.

Type: Array of [NetworkRouteDestination](#) objects

Required: No

PrefixListId

The ID of the prefix list.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

State

The route state. The possible values are `active` and `blackhole`.

Type: String

Valid Values: `ACTIVE | BLACKHOLE`

Required: No

Type

The route type. The possible values are `propagated` and `static`.

Type: String

Valid Values: `PROPAGATED | STATIC`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

NetworkRouteDestination

Describes the destination of a network route.

Contents

CoreNetworkAttachmentId

The ID of a core network attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^attachment-([0-9a-f]{8,17})$`

Required: No

EdgeLocation

The edge location for the network destination.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: `[\s\S]*`

Required: No

NetworkFunctionGroupName

The network function group name associated with the destination.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

ResourceId

The ID of the resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

ResourceType

The resource type.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

SegmentName

The name of the segment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

TransitGatewayAttachmentId

The ID of the transit gateway attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

NetworkTelemetry

Describes the telemetry information for a resource.

Contents

AccountId

    The AWS account ID.

    Type: String

    Length Constraints: Fixed length of 12.

    Pattern: [\s\S]*

    Required: No

Address

    The address.

    Type: String

    Length Constraints: Minimum length of 0. Maximum length of 256.

    Pattern: [\s\S]*

    Required: No

AwsRegion

    The AWS Region.

    Type: String

    Length Constraints: Minimum length of 1. Maximum length of 63.

    Pattern: [\s\S]*

    Required: No

CoreNetworkId

    The ID of a core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: No

Health

The connection health.

Type: ConnectionHealth object

Required: No

RegisteredGatewayArn

The ARN of the gateway.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: `[\s\S]*`

Required: No

ResourceArn

The ARN of the resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: `[\s\S]*`

Required: No

ResourceId

The ID of the resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

ResourceType

The resource type.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

OrganizationStatus

The status of an Amazon Web Services Organization and the accounts within that organization.

Contents

AccountStatusList

The current service-linked role (SLR) deployment status for an Amazon Web Services Organization's accounts. This will be either SUCCEEDED or IN_PROGRESS.

Type: Array of AccountStatus objects

Required: No

OrganizationAwsServiceAccessStatus

The status of the organization's AWS service access. This will be ENABLED or DISABLED.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Required: No

OrganizationId

The ID of an Amazon Web Services Organization.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: ^o-([0-9a-f]{8,17})$

Required: No

SLRDeploymentStatus

The status of the SLR deployment for the account. This will be either SUCCEEDED or IN_PROGRESS.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PathComponent

Describes a path component.

Contents

DestinationCidrBlock

    The destination CIDR block in the route table.

    Type: String

    Length Constraints: Minimum length of 0. Maximum length of 256.

    Pattern: [\s\S]*

    Required: No

Resource

    The resource.

    Type: [NetworkResourceSummary](#) object

    Required: No

Sequence

    The sequence number in the path. The destination is 0.

    Type: Integer

    Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Peering

Describes a peering connection.

Contents

CoreNetworkArn

The ARN of a core network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `[\s\S]*`

Required: No

CoreNetworkId

The ID of the core network for the peering request.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: No

CreatedAt

The timestamp when the attachment peer was created.

Type: Timestamp

Required: No

EdgeLocation

The edge location for the peer.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [\s\S]*

Required: No

LastModificationErrors

Describes the error associated with the Connect peer request.

Type: Array of PeeringError objects

Array Members: Minimum number of 0 items. Maximum number of 20 items.

Required: No

OwnerAccountId

The ID of the account owner.

Type: String

Length Constraints: Fixed length of 12.

Pattern: [\s\S]*

Required: No

PeeringId

The ID of the peering attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: ^peering-([0-9a-f]{8,17})$

Required: No

PeeringType

The type of peering. This will be TRANSIT_GATEWAY.

Type: String

Valid Values: TRANSIT_GATEWAY

Required: No

ResourceArn

The resource ARN of the peer.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: `[\s\S]*`

Required: No

State

The current state of the peering connection.

Type: String

Valid Values: `CREATING | FAILED | AVAILABLE | DELETING`

Required: No

Tags

The list of key-value tags associated with the peering.

Type: Array of [Tag](#) objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PeeringError

Describes an error associated with a peering request.

Contents

Code

>   The error code for the peering request.
>
>   Type: String
>
>   Valid Values: TRANSIT_GATEWAY_NOT_FOUND |
>   TRANSIT_GATEWAY_PEERS_LIMIT_EXCEEDED | MISSING_PERMISSIONS
> | INTERNAL_ERROR | EDGE_LOCATION_PEER_DUPLICATE |
>   INVALID_TRANSIT_GATEWAY_STATE
>
>   Required: No

Message

>   The message associated with the error code.
>
>   Type: String
>
>   Length Constraints: Minimum length of 0. Maximum length of 10000000.
>
>   Pattern: [\s\S]*
>
>   Required: No

MissingPermissionsContext

>   Provides additional information about missing permissions for the peering error.
>
>   Type: [PermissionsErrorContext](#) object
>
>   Required: No

RequestId

>   The ID of the Peering request.
>
>   Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: No

ResourceArn

The ARN of the requested peering resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 1500.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PermissionsErrorContext

Describes additional information about missing permissions.

Contents

MissingPermission

The missing permissions.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PrefixListAssociation

Information about a prefix list association with a core network.

Contents

CoreNetworkId

The core network id in the association.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^core-network-([0-9a-f]{8,17})$`

Required: No

PrefixListAlias

The alias of the prefix list in the association.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

PrefixListArn

The ARN of the prefix list in the association.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ProposedNetworkFunctionGroupChange

Describes proposed changes to a network function group.

Contents

AttachmentPolicyRuleNumber

The proposed new attachment policy rule number for the network function group.

Type: Integer

Required: No

NetworkFunctionGroupName

The proposed name change for the network function group name.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Tags

The list of proposed changes to the key-value tags associated with the network function group.

Type: Array of Tag objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ProposedSegmentChange

Describes a proposed segment change. In some cases, the segment change must first be evaluated and accepted.

Contents

AttachmentPolicyRuleNumber

The rule number in the policy document that applies to this change.

Type: Integer

Required: No

SegmentName

The name of the segment to change.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Tags

The list of key-value tags that changed for the segment.

Type: Array of [Tag](#) objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

Relationship

Describes a resource relationship.

Contents

From

The ARN of the resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

To

The ARN of the resource.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RouteAnalysis

Describes a route analysis.

Contents

Destination

The destination.

Type: [RouteAnalysisEndpointOptions](#) object

Required: No

ForwardPath

The forward path.

Type: [RouteAnalysisPath](#) object

Required: No

GlobalNetworkId

The ID of the global network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

IncludeReturnPath

Indicates whether to analyze the return path. The return path is not analyzed if the forward path analysis does not succeed.

Type: Boolean

Required: No

OwnerAccountId

The ID of the AWS account that created the route analysis.

Type: String

Length Constraints: Fixed length of 12.

Pattern: [\s\S]*

Required: No

ReturnPath

The return path.

Type: [RouteAnalysisPath](#) object

Required: No

RouteAnalysisId

The ID of the route analysis.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

Source

The source.

Type: [RouteAnalysisEndpointOptions](#) object

Required: No

StartTimestamp

The time that the analysis started.

Type: Timestamp

Required: No

Status

The status of the route analysis.

Type: String

Valid Values: `RUNNING | COMPLETED | FAILED`

Required: No

UseMiddleboxes

Indicates whether to include the location of middlebox appliances in the route analysis.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RouteAnalysisCompletion

Describes the status of an analysis at completion.

Contents

ReasonCode

The reason code. Available only if a connection is not found.

- `BLACKHOLE_ROUTE_FOR_DESTINATION_FOUND` - Found a black hole route with the destination CIDR block.

- `CYCLIC_PATH_DETECTED` - Found the same resource multiple times while traversing the path.

- `INACTIVE_ROUTE_FOR_DESTINATION_FOUND` - Found an inactive route with the destination CIDR block.

- `MAX_HOPS_EXCEEDED` - Analysis exceeded 64 hops without finding the destination.

- `ROUTE_NOT_FOUND` - Cannot find a route table with the destination CIDR block.

- `TGW_ATTACH_ARN_NO_MATCH` - Found an attachment, but not with the correct destination ARN.

- `TGW_ATTACH_NOT_FOUND` - Cannot find an attachment.

- `TGW_ATTACH_NOT_IN_TGW` - Found an attachment, but not to the correct transit gateway.

- `TGW_ATTACH_STABLE_ROUTE_TABLE_NOT_FOUND` - The state of the route table association is not associated.

Type: String

Valid Values: `TRANSIT_GATEWAY_ATTACHMENT_NOT_FOUND` | `TRANSIT_GATEWAY_ATTACHMENT_NOT_IN_TRANSIT_GATEWAY` | `CYCLIC_PATH_DETECTED` | `TRANSIT_GATEWAY_ATTACHMENT_STABLE_ROUTE_TABLE_NOT_FOUND` | `ROUTE_NOT_FOUND` | `BLACKHOLE_ROUTE_FOR_DESTINATION_FOUND` | `INACTIVE_ROUTE_FOR_DESTINATION_FOUND` | `TRANSIT_GATEWAY_ATTACHMENT_ATTACH_ARN_NO_MATCH` | `MAX_HOPS_EXCEEDED` | `POSSIBLE_MIDDLEBOX` | `NO_DESTINATION_ARN_PROVIDED`

Required: No

ReasonContext

Additional information about the path. Available only if a connection is not found.

Type: String to string map

Key Length Constraints: Minimum length of 0. Maximum length of 10000000.

Key Pattern: [\s\S]*

Value Length Constraints: Minimum length of 0. Maximum length of 10000000.

Value Pattern: [\s\S]*

Required: No

ResultCode

The result of the analysis. If the status is NOT_CONNECTED, check the reason code.

Type: String

Valid Values: CONNECTED | NOT_CONNECTED

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RouteAnalysisEndpointOptions

Describes a source or a destination.

Contents

IpAddress

The IP address.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: [\s\S]*

Required: No

TransitGatewayArn

The ARN of the transit gateway.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Required: No

TransitGatewayAttachmentArn

The ARN of the transit gateway attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RouteAnalysisEndpointOptionsSpecification

Describes a source or a destination.

Contents

IpAddress

    The IP address.

    Type: String

    Length Constraints: Minimum length of 1. Maximum length of 50.

    Pattern: [\s\S]*

    Required: No

TransitGatewayAttachmentArn

    The ARN of the transit gateway attachment.

    Type: String

    Length Constraints: Minimum length of 0. Maximum length of 500.

    Pattern: [\s\S]*

    Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RouteAnalysisPath

Describes a route analysis path.

Contents

CompletionStatus

>   The status of the analysis at completion.

>   Type: RouteAnalysisCompletion object

>   Required: No

Path

>   The route analysis path.

>   Type: Array of PathComponent objects

>   Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RouteTableIdentifier

Describes a route table.

Contents

CoreNetworkNetworkFunctionGroup

The route table identifier associated with the network function group.

Type: CoreNetworkNetworkFunctionGroupIdentifier object

Required: No

CoreNetworkSegmentEdge

The segment edge in a core network.

Type: CoreNetworkSegmentEdgeIdentifier object

Required: No

TransitGatewayRouteTableArn

The ARN of the transit gateway route table for the attachment request. For example, `"TransitGatewayRouteTableArn"`: `"arn:aws:ec2:us-west-2:123456789012:transit-gateway-route-table/tgw-rtb-9876543210123456"`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++

- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

RoutingInformationNextHop

Information about the next hop for a route in the core network.

Contents

CoreNetworkAttachmentId

The ID of the core network attachment for the next hop.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

EdgeLocation

The edge location for the next hop.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 63.

Pattern: [\s\S]*

Required: No

IpAddress

The IP address of the next hop.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 50.

Pattern: [\s\S]*

Required: No

ResourceId

The ID of the resource for the next hop.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

ResourceType

The type of resource for the next hop.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

SegmentName

The name of the segment for the next hop.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

RoutingPolicyAssociationDetail

Information about a routing policy association.

Contents

RoutingPolicyNames

   The names of the routing policies in the association.

   Type: Array of strings

   Length Constraints: Minimum length of 0. Maximum length of 256.

   Pattern: [\s\S]*

   Required: No

SharedSegments

   The names of the segments that are shared with each other in the association.

   Type: Array of strings

   Length Constraints: Minimum length of 0. Maximum length of 256.

   Pattern: [\s\S]*

   Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ServiceInsertionAction

Describes the action that the service insertion will take for any segments associated with it.

Contents

Action

The action the service insertion takes for traffic. `send-via` sends east-west traffic between attachments. `send-to` sends north-south traffic to the security appliance, and then from that to either the Internet or to an on-premesis location.

Type: String

Valid Values: `send-via` | `send-to`

Required: No

Mode

Describes the mode packets take for the `send-via` action. This is not used when the action is `send-to`. `dual-hop` packets traverse attachments in both the source to the destination core network edges. This mode requires that an inspection attachment must be present in all Regions of the service insertion-enabled segments. For `single-hop`, packets traverse a single intermediate inserted attachment. You can use `EdgeOverride` to specify a specific edge to use.

Type: String

Valid Values: `dual-hop` | `single-hop`

Required: No

Via

The list of network function groups and any edge overrides for the chosen service insertion action. Used for both `send-to` or `send-via`.

Type: [Via](#) object

Required: No

WhenSentTo

The list of destination segments if the service insertion action is `send-via`.

Type: WhenSentTo object

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

ServiceInsertionSegments

Describes the segments associated with the service insertion action.

Contents

SendTo

The list of segments associated with the `send-to` action.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

SendVia

The list of segments associated with the `send-via` action.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Site

Describes a site.

Contents

CreatedAt

> The date and time that the site was created.

> Type: Timestamp

> Required: No

Description

> The description of the site.

> Type: String

> Length Constraints: Minimum length of 0. Maximum length of 256.

> Pattern: [\s\S]*

> Required: No

GlobalNetworkId

> The ID of the global network.

> Type: String

> Length Constraints: Minimum length of 0. Maximum length of 50.

> Pattern: [\s\S]*

> Required: No

Location

> The location of the site.

> Type: Location object

> Required: No

SiteArn

The Amazon Resource Name (ARN) of the site.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Required: No

SiteId

The ID of the site.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

State

The state of the site.

Type: String

Valid Values: PENDING | AVAILABLE | DELETING | UPDATING

Required: No

Tags

The tags for the site.

Type: Array of [Tag](#) objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

SiteToSiteVpnAttachment

Creates a site-to-site VPN attachment.

Contents

Attachment

    Provides details about a site-to-site VPN attachment.

    Type: [Attachment](#) object

    Required: No

VpnConnectionArn

    The ARN of the site-to-site VPN attachment.

    Type: String

    Length Constraints: Minimum length of 0. Maximum length of 500.

    Pattern: `^arn:[^:]{1,63}:ec2:[^:]{0,63}:[^:]{0,63}:vpn-connection\/vpn-[0-9a-f]{8,17}$`

    Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Tag

Describes a tag.

Contents

Key

The tag key.

Constraints: Maximum length of 128 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: No

Value

The tag value.

Constraints: Maximum length of 256 characters.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

TransitGatewayConnectPeerAssociation

Describes a transit gateway Connect peer association.

Contents

DeviceId

    The ID of the device.

    Type: String

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: [\s\S]*

    Required: No

GlobalNetworkId

    The ID of the global network.

    Type: String

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: [\s\S]*

    Required: No

LinkId

    The ID of the link.

    Type: String

    Length Constraints: Minimum length of 0. Maximum length of 50.

    Pattern: [\s\S]*

    Required: No

State

    The state of the association.

Type: String

Valid Values: `PENDING | AVAILABLE | DELETING | DELETED`

Required: No

TransitGatewayConnectPeerArn

The Amazon Resource Name (ARN) of the transit gateway Connect peer.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

TransitGatewayPeering

Describes a transit gateway peering attachment.

Contents

Peering

Describes a transit gateway peer connection.

Type: [Peering](#) object

Required: No

TransitGatewayArn

The ARN of the transit gateway.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `[\s\S]*`

Required: No

TransitGatewayPeeringAttachmentId

The ID of the transit gateway peering attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^tgw-attach-([0-9a-f]{8,17})$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

TransitGatewayRegistration

Describes the registration of a transit gateway to a global network.

Contents

GlobalNetworkId

The ID of the global network.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: [\s\S]*

Required: No

State

The state of the transit gateway registration.

Type: [TransitGatewayRegistrationStateReason](#) object

Required: No

TransitGatewayArn

The Amazon Resource Name (ARN) of the transit gateway.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: [\s\S]*

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

TransitGatewayRegistrationStateReason

Describes the status of a transit gateway registration.

Contents

Code

The code for the state reason.

Type: String

Valid Values: `PENDING` | `AVAILABLE` | `DELETING` | `DELETED` | `FAILED`

Required: No

Message

The message for the state reason.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

TransitGatewayRouteTableAttachment

Describes a transit gateway route table attachment.

Contents

Attachment

Describes a core network attachment.

Type: [Attachment](#) object

Required: No

PeeringId

The ID of the peering attachment.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 50.

Pattern: `^peering-([0-9a-f]{8,17})$`

Required: No

TransitGatewayRouteTableArn

The ARN of the transit gateway attachment route table. For example,
`"TransitGatewayRouteTableArn": "arn:aws:ec2:us-west-2:123456789012:transit-gateway-route-table/tgw-rtb-9876543210123456"`.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ValidationExceptionField

Describes a validation exception for a field.

Contents

Message

The message for the field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: Yes

Name

The name of the field.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10000000.

Pattern: [\s\S]*

Required: Yes

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Via

The list of network function groups and edge overrides for the service insertion action. Used for both the `send-to` and `send-via` actions.

Contents

NetworkFunctionGroups

The list of network function groups associated with the service insertion action.

Type: Array of NetworkFunctionGroup objects

Required: No

WithEdgeOverrides

Describes any edge overrides. An edge override is a specific edge to be used for traffic.

Type: Array of EdgeOverride objects

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

VpcAttachment

Describes a VPC attachment.

Contents

Attachment

Provides details about the VPC attachment.

Type: [Attachment](#) object

Required: No

Options

Provides details about the VPC attachment.

Type: [VpcOptions](#) object

Required: No

SubnetArns

The subnet ARNs.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 500.

Pattern: `^arn:[^:]{1,63}:ec2:[^:]{0,63}:[^:]{0,63}:subnet\/subnet-[0-9a-f]{8,17}$|^$`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)

- [AWS SDK for Ruby V3](#)

VpcOptions

Describes the VPC options.

Contents

ApplianceModeSupport

Indicates whether appliance mode is supported. If enabled, traffic flow between a source and destination use the same Availability Zone for the VPC attachment for the lifetime of that flow. The default value is `false`.

Type: Boolean

Required: No

DnsSupport

Indicates whether DNS is supported.

Type: Boolean

Required: No

Ipv6Support

Indicates whether IPv6 is supported.

Type: Boolean

Required: No

SecurityGroupReferencingSupport

Indicates whether security group referencing is enabled for this VPC attachment. The default is `true`. However, at the core network policy-level the default is set to `false`.

Type: Boolean

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- AWS SDK for C++
- AWS SDK for Java V2
- AWS SDK for Ruby V3

WhenSentTo

Displays a list of the destination segments. Used only when the service insertion action is `send-to`.

Contents

WhenSentToSegmentsList

The list of destination segments when the service insertion action is `send-to`.

Type: Array of strings

Length Constraints: Minimum length of 0. Maximum length of 256.

Pattern: `[\s\S]*`

Required: No

See Also

For more information about using this API in one of the language-specific AWS SDKs, see the following:

- [AWS SDK for C++](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests](#) in the *IAM User Guide*.

Action

> The action to be performed.
>
> Type: string
>
> Required: Yes

Version

> The API version that the request is written for, expressed in the format YYYY-MM-DD.
>
> Type: string
>
> Required: Yes

X-Amz-Algorithm

> The hash algorithm that you used to create the request signature.
>
> Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.
>
> Type: string
>
> Valid Values: `AWS4-HMAC-SHA256`
>
> Required: Conditional

X-Amz-Credential

> The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request"). The value is expressed in the following format: *access_key*/*YYYYMMDD*/*region*/*service*/aws4_request.

For more information, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see Elements of an AWS API request signature in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see AWS services that work with IAM in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see Create a signed AWS API request in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

MalformedHttpRequestException

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

RequestAbortedException

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

RequestEntityTooLargeException

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

RequestTimeoutException

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

UnrecognizedClientException

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

UnknownOperationException

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 404

ValidationError

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400