Alexa For Business
Alexa for Business API
API Version 2017-11-09
Alexa For Business: Alexa for Business API
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Welcome

Alexa for Business makes it easy for you to use Alexa in your organization. Alexa for Business gives you the tools you need for managing Alexa devices, enroll your users, and assign skills, at scale. You can build your own context-aware voice skills using the Alexa Skills Kit and the Alexa for Business API operations. You can make also these available as private skills for your organization. Alexa for Business makes it easy to voice-enable your products and services, providing context-aware voice experiences for your customers.

This document was last published on May 9, 2018.
Actions

The following actions are supported:

- `AssociateContactWithAddressBook` (p. 4)
- `AssociateDeviceWithRoom` (p. 6)
- `AssociateSkillGroupWithRoom` (p. 8)
- `CreateAddressBook` (p. 10)
- `CreateContact` (p. 12)
- `CreateProfile` (p. 15)
- `CreateRoom` (p. 18)
- `CreateSkillGroup` (p. 21)
- `CreateUser` (p. 23)
- `DeleteAddressBook` (p. 26)
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• UpdateProfile (p. 108)
• UpdateRoom (p. 111)
• UpdateSkillGroup (p. 113)
AssociateContactWithAddressBook

 Associates a contact with a given address book.

 **Request Syntax**

```json
{
  "AddressBookArn": "string",
  "ContactArn": "string"
}
```

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**AddressBookArn (p. 4)**

The ARN of the address book with which to associate the contact.

Type: String

Pattern: `arn:[a-zA-Z0-9-.]{1,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}[^/].{0,1023}`

Required: Yes

**ContactArn (p. 4)**

The ARN of the contact to associate with an address book.

Type: String

Pattern: `arn:[a-zA-Z0-9-.]{1,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}[^/].{0,1023}`

Required: Yes

**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 (p. 148).

**LimitExceededException**

You are performing an action that would put you beyond your account's limits. HTTP Status Code: 400

HTTP Status Code: 400

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See Also

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

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

Associates a device with a given room. This applies all the settings from the room profile to the device, and all the skills in any skill groups added to that room. This operation requires the device to be online, or else a manual sync is required.

Request Syntax

```
{
    "DeviceArn": "string",
    "RoomArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**DeviceArn (p. 6)**

The ARN of the device to associate to a room. Required.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

**RoomArn (p. 6)**

The ARN of the room with which to associate the device. Required.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

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 (p. 148).

**LimitExceededException**

You are performing an action that would put you beyond your account's limits. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
AssociateSkillGroupWithRoom

Associates a skill group with a given room. This enables all skills in the associated skill group on all devices in the room.

**Request Syntax**

```json
{
  "RoomArn": "string",
  "SkillGroupArn": "string"
}
```

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**RoomArn (p. 8)**

The ARN of the room with which to associate the skill group. Required.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

**SkillGroupArn (p. 8)**

The ARN of the skill group to associate with a room. Required.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

**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 (p. 148).

**See Also**

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

- AWS Command Line Interface
See Also

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
CreateAddressBook

Creates an address book with the specified details.

Request Syntax

```
{
    "ClientRequestToken": "string",
    "Description": "string",
    "Name": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**ClientRequestToken (p. 10)**

A unique, user-specified identifier for the request that ensures idempotency.

Type: String


Pattern: [a-zA-Z0-9][a-zA-Z0-9_\-]*

Required: No

**Description (p. 10)**

The description of the address book.

Type: String


Pattern: [%u0009%u000A%u000D%u0020-%u007E%u0085%u00A0-%uD7FF%uE000-%uFFFD%u10000-%u10FFFF]*

Required: No

**Name (p. 10)**

The name of the address book.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: [%u0009%u000A%u000D%u0020-%u007E%u0085%u00A0-%uD7FF%uE000-%uFFFD%u10000-%u10FFFF]*

Required: Yes
Response Syntax

```json
{
   "AddressBookArn": "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.

**AddressBookArn (p. 11)**

The ARN of the newly created address book.

Type: String

Pattern: `arn:[a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[^/].{0,1023}`

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

**AlreadyExistsException**

The resource being created already exists. HTTP Status Code: 400

HTTP Status Code: 400

**LimitExceededException**

You are performing an action that would put you beyond your account's limits. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
CreateContact

Creates a contact with the specified details.

Request Syntax

```
{
    "ClientRequestToken": "string",
    "DisplayName": "string",
    "FirstName": "string",
    "LastName": "string",
    "PhoneNumber": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**ClientRequestToken (p. 12)**

A unique, user-specified identifier for this request that ensures idempotency.

- **Type:** String
- **Length Constraints:** Minimum length of 10. Maximum length of 150.
- **Pattern:** [a-zA-Z0-9][a-zA-Z0-9_\-]*
- **Required:** No

**DisplayName (p. 12)**

The name of the contact to display on the console.

- **Type:** String
- **Length Constraints:** Minimum length of 1. Maximum length of 100.
- **Pattern:** [	
 -~ -퟿-�
\u10000-ჿFF]*
- **Required:** No

**FirstName (p. 12)**

The first name of the contact that is used to call the contact on the device.

- **Type:** String
- **Length Constraints:** Minimum length of 1. Maximum length of 100.
- **Pattern:** [	
 -~ -퟿-�
\u10000-ჿFF]*
- **Required:** Yes
**LastName (p. 12)**

The last name of the contact that is used to call the contact on the device.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF\]*

Required: No

**PhoneNumber (p. 12)**

The phone number of the contact in E.164 format.

Type: String

Pattern: ^\+\d{8,}$

Required: Yes

---

**Response Syntax**

```
{
  "ContactArn": "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.

**ContactArn (p. 13)**

The ARN of the newly created address book.

Type: String

Pattern: arn:[a-zA-Z0-9-.]{1,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}$

---

**Errors**

For information about the errors that are common to all actions, see [Common Errors (p. 148)].

**AlreadyExistsException**

The resource being created already exists. HTTP Status Code: 400

HTTP Status Code: 400

**LimitExceededException**

You are performing an action that would put you beyond your account's limits. HTTP Status Code: 400

HTTP Status Code: 400
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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
**CreateProfile**

Creates a new room profile with the specified details.

**Request Syntax**

```json
{
    "Address": "string",
    "ClientRequestToken": "string",
    "DistanceUnit": "string",
    "MaxVolumeLimit": number,
    "ProfileName": "string",
    "PSTNEnabled": boolean,
    "SetupModeDisabled": boolean,
    "TemperatureUnit": "string",
    "Timezone": "string",
    "WakeWord": "string"
}
```

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**Address (p. 15)**

The valid address for the room.

Type: String


Required: Yes

**ClientRequestToken (p. 15)**

The user-specified token that is used during the creation of a profile.

Type: String


Pattern: [a-zA-Z0-9][a-zA-Z0-9 _-]*

Required: No

**DistanceUnit (p. 15)**

The distance unit to be used by devices in the profile.

Type: String

Valid Values: METRIC | IMPERIAL

Required: Yes

**MaxVolumeLimit (p. 15)**

The maximum volume limit for a room profile.
Type: Integer
Required: No

**ProfileName (p. 15)**

The name of a room profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: [	
 -~ -퟿-� \u10000-\u10FFFF]*

Required: Yes

**PSTNEnabled (p. 15)**

Whether PSTN calling is enabled.

Type: Boolean

Required: No

**SetupModeDisabled (p. 15)**

Whether room profile setup is enabled.

Type: Boolean

Required: No

**TemperatureUnit (p. 15)**

The temperature unit to be used by devices in the profile.

Type: String

Valid Values: FAHRENHEIT | CELSIUS

Required: Yes

**Timezone (p. 15)**

The time zone used by a room profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: Yes

**WakeWord (p. 15)**

A wake word for Alexa, Echo, Amazon, or a computer.

Type: String

Valid Values: ALEXA | AMAZON | ECHO | COMPUTER

Required: Yes

**Response Syntax**

```json
{
}
```
"ProfileArn": "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.

**ProfileArn (p. 16)**

The ARN of the newly created room profile in the response.

Type: String

Pattern: arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

**AlreadyExistsException**

The resource being created already exists. HTTP Status Code: 400

HTTP Status Code: 400

**LimitExceededException**

You are performing an action that would put you beyond your account's limits. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
CreateRoom

Creates a room with the specified details.

Request Syntax

```
{  
    "ClientRequestToken": "string",
    "Description": "string",
    "ProfileArn": "string",
    "ProviderCalendarId": "string",
    "RoomName": "string",
    "Tags": [  
        {  
            "Key": "string",
            "Value": "string"
        }  
    ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

ClientRequestToken (p. 18)

A unique, user-specified identifier for this request that ensures idempotency.

Type: String


Pattern: [a-zA-Z0-9][a-zA-Z0-9\_\-]*

Required: No

Description (p. 18)

The description for the room.

Type: String


Pattern: [\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*

Required: No

ProfileArn (p. 18)

The profile ARN for the room.

Type: String

Pattern: arn:[a-zA-Z0-9\/.\-]{1,63}:[a-zA-Z0-9\/.]{0,63}:[a-zA-Z0-9\/.]{0,63}:[^/].{0,1023}
Required: No

**ProviderCalendarId (p. 18)**

The calendar ARN for the room.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

**RoomName (p. 18)**

The name for the room.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*

Required: Yes

**Tags (p. 18)**

The tags for the room.

Type: Array of Tag (p. 143) objects

Required: No

---

### Response Syntax

```json
{
  "RoomArn": "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.

**RoomArn (p. 19)**

The ARN of the newly created room in the response.

Type: String

Pattern: arn:[a-zA-Z0-9-.]{1,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}:[0,63]:[^/].{0,1023}

---

**Errors**

For information about the errors that are common to all actions, see Common Errors (p. 148).
AlreadyExistsException

The resource being created already exists. HTTP Status Code: 400

LimitExceeded Exception

You are performing an action that would put you beyond your account’s limits. 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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
CreateSkillGroup

Creates a skill group with a specified name and description.

Request Syntax

```json
{
   "ClientRequestToken": "string",
   "Description": "string",
   "SkillGroupName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**ClientRequestToken (p. 21)**

A unique, user-specified identifier for this request that ensures idempotency.

Type: String


Pattern: [a-zA-Z0-9][a-zA-Z0-9_\-]*

Required: No

**Description (p. 21)**

The description for the skill group.

Type: String


Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*

Required: No

**SkillGroupName (p. 21)**

The name for the skill group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*

Required: Yes
Response Syntax

```json
{
  "SkillGroupArn": "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.

SkillGroupArn (p. 22)

The ARN of the newly created skill group in the response.

Type: String

Pattern:

```
arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}
```

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

AlreadyExistsException

The resource being created already exists. HTTP Status Code: 400

HTTP Status Code: 400

LimitExceededException

You are performing an action that would put you beyond your account's limits. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2

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CreateUser

Creates a user.

Request Syntax

```
{
   "ClientRequestToken": "string",
   "Email": "string",
   "FirstName": "string",
   "LastName": "string",
   "Tags": [
      {
         "Key": "string",
         "Value": "string"
      }
   ],
   "UserId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**ClientRequestToken (p. 23)**

A unique, user-specified identifier for this request that ensures idempotency.

Type: String


Pattern: `[a-zA-Z0-9][a-zA-Z0-9_\-]*` Required: No

**Email (p. 23)**

The email address for the user.

Type: String


Pattern: `([0-9a-zA-Z][-\w][0-9a-zA-Z])\*([0-9a-zA-Z][-\w][0-9a-zA-Z]\.)+[a-zA-Z]{2,9}` Required: No

**FirstName (p. 23)**

The first name for the user.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 30.

Pattern: `([A-Za-z\-'] 0-9_\.]|\p{IsLetter})*`
Required: No

**LastName (p. 23)**

The last name for the user.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 30.

Pattern: `([A-Za-z\-\.' 0-9._]|\p{IsLetter})*`

Required: No

**Tags (p. 23)**

The tags for the user.

Type: Array of Tag (p. 143) objects

Required: No

**UserId (p. 23)**

The ARN for the user.

Type: String


Pattern: `[a-zA-Z0-9@_+.-]*`

Required: Yes

### Response Syntax

```json
{
  "UserArn": "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.

**UserArn (p. 24)**

The ARN of the newly created user in the response.

Type: String

Pattern: `arn:[a-zA-Z0-9\-\.]{1,63}:[a-zA-Z0-9\-\.]{0,63}:[a-zA-Z0-9\-\.]{0,63}:[a-zA-Z0-9\-\.]{0,63}:[^/].{0,1023}`

### Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).
LimitExceededException
You are performing an action that would put you beyond your account's limits. HTTP Status Code: 400

HTTP Status Code: 400

ResourceInUseException
The resource in the request is already in use. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DeleteAddressBook

Deletes an address book by the address book ARN.

Request Syntax

```json
{
    "AddressBookArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**AddressBookArn (p. 26)**

The ARN of the address book to delete.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

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 (p. 148).

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java

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See Also

- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DeleteContact

Deletes a contact by the contact ARN.

**Request Syntax**

```
{
   "ContactArn": "string"
}
```

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**ContactArn (p. 28)**

The ARN of the contact to delete.

Type: String

Pattern: `arn:[a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[^-/].{0,1023}

Required: Yes

**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 (p. 148).

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
Alexa For Business Alexa for Business API
See Also

- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DeleteProfile

Deletes a room profile by the profile ARN.

**Request Syntax**

```
{
  "ProfileArn": "string"
}
```

**Request Parameters**

For information about the parameters that are common to all actions, see [Common Parameters](p. 146).

The request accepts the following data in JSON format.

**ProfileArn (p. 30)**

The ARN of the room profile to delete. Required.

Type: String

Pattern: `arn:[a-zA-Z0-9-.]{1,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}[^/].{0,1023}`

Required: No

**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](p. 148).

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
Alexa For Business Alexa for Business API
See Also

- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DeleteRoom

Deletes a room by the room ARN.

Request Syntax

```
{
   "RoomArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**RoomArn (p. 32)**

The ARN of the room to delete. Required.

Type: String

Pattern: `arn:[a-zA-Z0-9-.]{1,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}[^/].{0,1023}`

Required: No

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 (p. 148).

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
Alexa For Business Alexa for Business API
See Also

- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DeleteRoomSkillParameter

Deletes room skill parameter details by room, skill, and parameter key ID.

Request Syntax

```json
{
    "ParameterKey": "string",
    "RoomArn": "string",
    "SkillId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**ParameterKey (p. 34)**

The room skill parameter key for which to remove details.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

**RoomArn (p. 34)**

The ARN of the room from which to remove the room skill parameter details.

Type: String

Pattern: arn:[a-z0-9-.](1,63):[a-z0-9-.](0,63):[a-z0-9-.](0,63):[a-z0-9-.](0,63):[^/].(0,1023)

Required: No

**SkillId (p. 34)**

The ID of the skill from which to remove the room skill parameter details.

Type: String

Pattern: (^amzn1\.ask\\.skill\.[0-9a-f-](1,200))(^amzn1\.echo-sdk-ams\\.app\.[0-9a-f-](1,200))

Required: Yes

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 (p. 148).
See Also

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

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

Deletes a skill group by skill group ARN.

Request Syntax

```
{
    "SkillGroupArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**SkillGroupArn (p. 36)**

The ARN of the skill group to delete. Required.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}[^/].{0,1023}`

Required: No

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 (p. 148).

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
See Also

- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
DeleteUser

Deletes a specified user by user ARN and enrollment ARN.

Request Syntax

```json
{
    "EnrollmentId": "string",
    "UserArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**EnrollmentId (p. 38)**

The ARN of the user's enrollment in the organization. Required.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

Required: Yes

**UserArn (p. 38)**

The ARN of the user to delete in the organization. Required.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

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 (p. 148).

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
• AWS SDK for .NET
• AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V2
DisassociateContactFromAddressBook

Disassociates a contact from a given address book.

Request Syntax

```
{
    "AddressBookArn": "string",
    "ContactArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**AddressBookArn (p. 40)**

The ARN of the address from which to disassociate the contact.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

**ContactArn (p. 40)**

The ARN of the contact to disassociate from an address book.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: Yes

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 (p. 148).

See Also

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

- AWS Command Line Interface
- AWS SDK for .NET
• AWS SDK for C++
• AWS SDK for Go
• AWS SDK for Java
• AWS SDK for JavaScript
• AWS SDK for PHP V3
• AWS SDK for Python
• AWS SDK for Ruby V2
DisassociateDeviceFromRoom

Disassociates a device from its current room. The device continues to be connected to the Wi-Fi network and is still registered to the account. The device settings and skills are removed from the room.

Request Syntax

```
{
   "DeviceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**DeviceArn (p. 42)**

The ARN of the device to disassociate from a room. Required.

Type: String

Pattern: arn:[a-zA-Z0-9-\.]{1,63}:[a-zA-Z0-9-\.]{0,63}:[a-zA-Z0-9-\.]{0,63}:[a-zA-Z0-9-\.]\{0,63}\:\[^/\].\{0,1023}  

Required: No

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 (p. 148).

See Also

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

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

Disassociates a skill group from a specified room. This disables all skills in the skill group on all devices in the room.

Request Syntax

```json
{
    "RoomArn": "string",
    "SkillGroupArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**RoomArn (p. 44)**

The ARN of the room from which the skill group is to be disassociated. Required.

Type: String

Pattern: arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}

Required: No

**SkillGroupArn (p. 44)**

The ARN of the skill group to disassociate from a room. Required.

Type: String

Pattern: arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}

Required: No

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 (p. 148).

See Also

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

- AWS Command Line Interface
See Also

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
GetAddressBook

Gets address the book details by the address book ARN.

**Request Syntax**

```json
{
   "AddressBookArn": "string"
}
```

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

- **AddressBookArn (p. 46)**
  - The ARN of the address book for which to request details.
  - Type: String
  - Pattern: arn: [a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,1023}
  - Required: Yes

**Response Syntax**

```json
{
   "AddressBook": {
      "AddressBookArn": "string",
      "Description": "string",
      "Name": "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.

- **AddressBook (p. 46)**
  - The details of the requested address book.
  - Type: AddressBook (p. 116) object

**Errors**

For information about the errors that are common to all actions, see Common Errors (p. 148).
**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
GetContact

Gets the contact details by the contact ARN.

Request Syntax

```
{
   "ContactArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**ContactArn (p. 48)**

The ARN of the contact for which to request details.

Type: String

Pattern: arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}

Required: Yes

Response Syntax

```
{
   "Contact": { 
      "ContactArn": "string",
      "DisplayName": "string",
      "FirstName": "string",
      "LastName": "string",
      "PhoneNumber": "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.

**Contact (p. 48)**

The details of the requested contact.

Type: Contact (p. 118) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).
NotFoundException

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
GetDevice

Gets the details of a device by device ARN.

Request Syntax

```json
{
   "DeviceArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**DeviceArn (p. 50)**

The ARN of the device for which to request details. Required.

Type: String

Pattern: `arn:[a-z0-9-.](1,63):[a-z0-9-.](0,63):[a-z0-9-.](0,63):[a-z0-9-.](0,63):[^/].{0,1023}`

Required: No

Response Syntax

```json
{
   "Device": {
      "DeviceArn": "string",
      "DeviceName": "string",
      "DeviceSerialNumber": "string",
      "DeviceStatus": "string",
      "DeviceStatusInfo": {
         "ConnectionStatus": "string",
         "DeviceStatusDetails": [
            {
               "Code": "string"
            }
         ]
      },
      "DeviceType": "string",
      "MacAddress": "string",
      "RoomArn": "string",
      "SoftwareVersion": "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 (p. 50)**

The details of the device requested. Required.

Type: Device (p. 122) object

**Errors**

For information about the errors that are common to all actions, see Common Errors (p. 148).

**NotFoundException**

The resource is not found. 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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
GetProfile

Gets the details of a room profile by profile ARN.

Request Syntax

```json
{
  "ProfileArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

ProfileArn (p. 52)

The ARN of the room profile for which to request details. Required.

Type: String

Pattern: `arn:[a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[^/].{0,1023}`

Required: No

Response Syntax

```json
{
"Profile": {
  "Address": "string",
  "DistanceUnit": "string",
  "MaxVolumeLimit": number,
  "ProfileArn": "string",
  "ProfileName": "string",
  "PSTNEnabled": boolean,
  "SetupModeDisabled": boolean,
  "TemperatureUnit": "string",
  "Timezone": "string",
  "WakeWord": "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.

Profile (p. 52)

The details of the room profile requested. Required.
Type: Profile (p. 130) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

NotFoundException

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
GetRoom

Gets room details by room ARN.

Request Syntax

```
{
   "RoomArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

RoomArn (p. 54)

The ARN of the room for which to request details. Required.

Type: String

Pattern: arn:[a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}[^/].{0,1023}

Required: No

Response Syntax

```
{
   "Room": {
      "Description": "string",
      "ProfileArn": "string",
      "ProviderCalendarId": "string",
      "RoomArn": "string",
      "RoomName": "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.

Room (p. 54)

The details of the room requested.

Type: Room (p. 134) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).
NotFoundException

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
GetRoomSkillParameter

Gets room skill parameter details by room, skill, and parameter key ARN.

Request Syntax

```json
{
   "ParameterKey": "string",
   "RoomArn": "string",
   "SkillId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**ParameterKey (p. 56)**

The room skill parameter key for which to get details. Required.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

**RoomArn (p. 56)**

The ARN of the room from which to get the room skill parameter details.

Type: String

Pattern: `arn:([a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,1023})`

Required: No

**SkillId (p. 56)**

The ARN of the skill from which to get the room skill parameter details. Required.

Type: String

Pattern: `(^amzn1.ask.skill\.[0-9a-f-]{1,200})|(^amzn1.echo-sdk-ams.app\.[0-9a-f-]{1,200})`

Required: Yes

Response Syntax

```json
{
   "RoomSkillParameter": {
      "ParameterKey": "string",
      "ParameterValue": "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.

**RoomSkillParameter** (p. 56)

The details of the room skill parameter requested. Required.

Type: RoomSkillParameter (p. 138) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
GetSkillGroup

Gets skill group details by skill group ARN.

Request Syntax

```json
{
   "SkillGroupArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**SkillGroupArn (p. 58)**

The ARN of the skill group for which to get details. Required.

Type: String

Pattern: arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}

Required: No

Response Syntax

```json
{
   "SkillGroup": {
      "Description": "string",
      "SkillGroupArn": "string",
      "SkillGroupName": "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.

**SkillGroup (p. 58)**

The details of the skill group requested. Required.

Type: SkillGroup (p. 139) object

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).
NotFoundException

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
ListDeviceEvents

Lists the device event history, including device connection status, for up to 30 days.

Request Syntax

```
{
  "DeviceArn": "string",
  "EventType": "string",
  "MaxResults": number,
  "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**DeviceArn (p. 60)**

The ARN of a device.

Type: String

Pattern: \[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}

Required: Yes

**EventType (p. 60)**

The event type to filter device events. If EventType isn't specified, this returns a list of all device events in reverse chronological order. If EventType is specified, this returns a list of device events for that EventType in reverse chronological order.

Type: String

Valid Values: CONNECTION_STATUS

Required: No

**MaxResults (p. 60)**

The maximum number of results to include in the response. The default value is 50. If more results exist than the specified MaxResults value, a token is included in the response so that the remaining results can be retrieved.

Type: Integer


Required: No

**NextToken (p. 60)**

An optional token returned from a prior request. Use this token for pagination of results from this action. If this parameter is specified, the response only includes results beyond the token, up to the value specified by MaxResults. When the end of results is reached, the response has a value of null.
Response Syntax

```json
{
  "DeviceEvents": [
    {
      "Timestamp": number,
      "Type": "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.

**DeviceEvents (p. 61)**

The device events requested for the device ARN.

Type: Array of DeviceEvent (p. 126) objects

**NextToken (p. 61)**

The token returned to indicate that there is more data available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
Alexa For Business Alexa for Business API
See Also

- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
ListSkills

Lists all enabled skills in a specific skill group.

Request Syntax

```json
{
    "MaxResults": number,
    "NextToken": "string",
    "SkillGroupArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**MaxResults (p. 63)**

The maximum number of results to include in the response. If more results exist than the specified `MaxResults` value, a token is included in the response so that the remaining results can be retrieved. Required.

Type: Integer


Required: No

**NextToken (p. 63)**

An optional token returned from a prior request. Use this token for pagination of results from this action. If this parameter is specified, the response includes only results beyond the token, up to the value specified by `MaxResults`. Required.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

**SkillGroupArn (p. 63)**

The ARN of the skill group for which to list enabled skills. Required.

Type: String

Pattern: `arn:([a-z0-9\-\.]{1,63}:([a-z0-9\-\.]{0,63}:([a-z0-9\-\.]{0,63}:([a-z0-9\-\.]{0,63}\^[^/].{0,1023})

Required: No

Response Syntax

```json
{
```
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 (p. 63)**

The token returned to indicate that there is more data available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

**SkillSummaries (p. 63)**

The list of enabled skills requested. Required.

Type: Array of **SkillSummary (p. 141)** objects

Errors

For information about the errors that are common to all actions, see **Common Errors (p. 148).**

See Also

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

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

Lists all tags for the specified resource.

Request Syntax

```
{
   "Arn": "string",
   "MaxResults": number,
   "NextToken": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

Arn (p. 65)

The ARN of the specified resource for which to list tags.

Type: String

Pattern: arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}

Required: Yes

MaxResults (p. 65)

The maximum number of results to include in the response. If more results exist than the specified MaxResults value, a token is included in the response so that the remaining results can be retrieved.

Type: Integer


Required: No

NextToken (p. 65)

An optional token returned from a prior request. Use this token for pagination of results from this action. If this parameter is specified, the response includes only results beyond the token, up to the value specified by MaxResults.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

Response Syntax

```
{
```

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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 (p. 65)**

The token returned to indicate that there is more data available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

**Tags (p. 65)**

The tags requested for the specified resource.

Type: Array of Tag (p. 143) objects

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
PutRoomSkillParameter

Updates room skill parameter details by room, skill, and parameter key ID. Not all skills have a room skill parameter.

Request Syntax

```
{
   "RoomArn": "string",
   "RoomSkillParameter": {
      "ParameterKey": "string",
      "ParameterValue": "string"
   },
   "SkillId": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**RoomArn (p. 67)**

The ARN of the room associated with the room skill parameter. Required.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

**RoomSkillParameter (p. 67)**

The updated room skill parameter. Required.

Type: RoomSkillParameter (p. 138) object

Required: Yes

**SkillId (p. 67)**

The ARN of the skill associated with the room skill parameter. Required.

Type: String

Pattern: `(^amzn1\.ask\.skill\.[0-9a-f-]{1,200})\|(^amzn1\.echo-sdk-ams\.app\.[0-9a-f-]{1,200})`

Required: Yes

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 (p. 148).

See Also

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

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

Determines the details for the room from which a skill request was invoked. This operation is used by skill developers.

**Request Syntax**

```
{
  "SkillId": "string",
  "UserId": "string"
}
```

**Request Parameters**

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**SkillId (p. 69)**

The ARN of the skill that was requested. Required.

Type: String

Pattern: (^amzn1\..ask\..skill\.[0-9a-f-]{1,200})|(^amzn1\..echo-sdk-ams\..app\.[0-9a-f-]{1,200})

Required: Yes

**UserId (p. 69)**

The ARN of the user. Required.

Type: String

Pattern: amzn1\.[A-Za-z0-9+-/=\.]{1,300}

Required: Yes

**Response Syntax**

```
{
  "RoomArn": "string",
  "RoomName": "string",
  "RoomSkillParameters": [  
    {  
      "ParameterKey": "string",
      "ParameterValue": "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.

**RoomArn (p. 69)**

The ARN of the room from which the skill request was invoked.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

**RoomName (p. 69)**

The name of the room from which the skill request was invoked.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u1FFFF]*`

**RoomSkillParameters (p. 69)**

Response to get the room profile request. Required.

Type: Array of RoomSkillParameter (p. 138) objects

**Errors**

For information about the errors that are common to all actions, see Common Errors (p. 148).

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
RevokeInvitation

Revises an invitation and invalidates the enrollment URL.

Request Syntax

```json
{
    "EnrollmentId": "string",
    "UserArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**EnrollmentId (p. 71)**

The ARN of the enrollment invitation to revoke. Required.

- Type: String
- Length Constraints: Minimum length of 0. Maximum length of 128.
- Required: No

**UserArn (p. 71)**

The ARN of the user for whom to revoke an enrollment invitation. Required.

- Type: String
- Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}[^/].{0,1023}
- Required: No

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 (p. 148).

**NotFoundException**

The resource is not found. HTTP Status Code: 400

HTTP Status Code: 400

See Also

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

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

Searches address books and lists the ones that meet a set of filter and sort criteria.

Request Syntax

```
{
   "Filters": [
      {
         "Key": "string",
         "Values": [ "string" ]
      }
   ],
   "MaxResults": number,
   "NextToken": "string",
   "SortCriteria": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

Filters (p. 73)

The filters to use to list a specified set of address books. The supported filter key is AddressBookName.

Type: Array of Filter (p. 129) objects

Array Members: Maximum number of 25 items.

Required: No

MaxResults (p. 73)

The maximum number of results to include in the response. If more results exist than the specified MaxResults value, a token is included in the response so that the remaining results can be retrieved.

Type: Integer


Required: No

NextToken (p. 73)

An optional token returned from a prior request. Use this token for pagination of results from this action. If this parameter is specified, the response only includes results beyond the token, up to the value specified by MaxResults.

Type: String
Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

SortCriteria (p. 73)

The sort order to use in listing the specified set of address books. The supported sort key is AddressBookName.

Type: Array of Sort (p. 142) objects

Array Members: Maximum number of 25 items.

Required: No

Response Syntax

```json
{
   "AddressBooks": [
      {
         "AddressBookArn": "string",
         "Description": "string",
         "Name": "string"
      }
   ],
   "NextToken": "string",
   "TotalCount": "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.

AddressBooks (p. 74)

The address books that meet the specified set of filter criteria, in sort order.

Type: Array of AddressBookData (p. 117) objects

NextToken (p. 74)

The token returned to indicate that there is more data available.

Type: String

   Length Constraints: Minimum length of 1. Maximum length of 1000.

TotalCount (p. 74)

The total number of address books returned.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).
See Also

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

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

Searches contacts and lists the ones that meet a set of filter and sort criteria.

Request Syntax

```
{
   "Filters": [
      {
         "Key": "string",
         "Values": [ "string" ]
      }
   ],
   "MaxResults": number,
   "NextToken": "string",
   "SortCriteria": [
      {
         "Key": "string",
         "Value": "string"
      }
   ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**Filters (p. 76)**

The filters to use to list a specified set of address books. The supported filter keys are DisplayName, FirstName, LastName, and AddressBookArns.

Type: Array of Filter (p. 129) objects

Array Members: Maximum number of 25 items.

Required: No

**MaxResults (p. 76)**

The maximum number of results to include in the response. If more results exist than the specified MaxResults value, a token is included in the response so that the remaining results can be retrieved.

Type: Integer


Required: No

**NextToken (p. 76)**

An optional token returned from a prior request. Use this token for pagination of results from this action. If this parameter is specified, the response only includes results beyond the token, up to the value specified by MaxResults.

Type: String
Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

SortCriteria (p. 76)

The sort order to use in listing the specified set of contacts. The supported sort keys are DisplayName, FirstName, and LastName.

Type: Array of Sort (p. 142) objects

Array Members: Maximum number of 25 items.

Required: No

Response Syntax

```json
{
    "Contacts": [
        {
            "ContactArn": "string",
            "DisplayName": "string",
            "FirstName": "string",
            "LastName": "string",
            "PhoneNumber": "string"
        }
    ],
    "NextToken": "string",
    "TotalCount": 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.

Contacts (p. 77)

The contacts that meet the specified set of filter criteria, in sort order.

Type: Array of ContactData (p. 120) objects

NextToken (p. 77)

The token returned to indicate that there is more data available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

TotalCount (p. 77)

The total number of contacts returned.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).
See Also

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

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

Searches devices and lists the ones that meet a set of filter criteria.

Request Syntax

```
{
  "Filters": [
    {
      "Key": "string",
      "Values": [ "string" ]
    }
  ],
  "MaxResults": number,
  "NextToken": "string",
  "SortCriteria": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

Filters (p. 79)

The filters to use to list a specified set of devices. Supported filter keys are DeviceName, DeviceStatus, DeviceStatusDetailCode, RoomName, DeviceType, DeviceSerialNumber, UnassociatedOnly, and ConnectionStatus (ONLINE and OFFLINE).

Type: Array of Filter (p. 129) objects

Array Members: Maximum number of 25 items.

Required: No

MaxResults (p. 79)

The maximum number of results to include in the response. If more results exist than the specified MaxResults value, a token is included in the response so that the remaining results can be retrieved.

Type: Integer


Required: No

NextToken (p. 79)

An optional token returned from a prior request. Use this token for pagination of results from this action. If this parameter is specified, the response includes only results beyond the token, up to the value specified by MaxResults.
Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

**SortCriteria (p. 79)**

The sort order to use in listing the specified set of devices. Supported sort keys are DeviceName, DeviceStatus, RoomName, DeviceType, DeviceSerialNumber, and ConnectionStatus.

Type: Array of Sort (p. 142) objects

Array Members: Maximum number of 25 items.

Required: No

---

**Response Syntax**

```json
{
  "Devices": [
    {
      "DeviceArn": "string",
      "DeviceName": "string",
      "DeviceSerialNumber": "string",
      "DeviceStatus": "string",
      "DeviceStatusInfo": {
        "ConnectionStatus": "string",
        "DeviceStatusDetails": [
          {
            "Code": "string"
          }
        ]
      },
      "DeviceType": "string",
      "MacAddress": "string",
      "RoomArn": "string",
      "RoomName": "string",
      "SoftwareVersion": "string"
    },
    {
      "DeviceArn": "string",
      "DeviceName": "string",
      "DeviceSerialNumber": "string",
      "DeviceStatus": "string",
      "DeviceStatusInfo": {
        "ConnectionStatus": "string",
        "DeviceStatusDetails": [
          {
            "Code": "string"
          }
        ]
      },
      "DeviceType": "string",
      "MacAddress": "string",
      "RoomArn": "string",
      "RoomName": "string",
      "SoftwareVersion": "string"
    }
  ],
  "NextToken": "string",
  "TotalCount": 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.

**Devices (p. 80)**

The devices that meet the specified set of filter criteria, in sort order.

Type: Array of DeviceData (p. 124) objects

**NextToken (p. 80)**

The token returned to indicate that there is more data available.
Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

TotalCount (p. 80)

The total number of devices returned.

Type: Integer

Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

See Also

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

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

Searches room profiles and lists the ones that meet a set of filter criteria.

Request Syntax

```
{
  "Filters": [
    {
      "Key": "string",
      "Values": [ "string" ]
    }
  ],
  "MaxResults": number,
  "NextToken": "string",
  "SortCriteria": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**Filters (p. 82)**

The filters to use to list a specified set of room profiles. Supported filter keys are ProfileName and Address. Required.

Type: Array of Filter (p. 129) objects

Array Members: Maximum number of 25 items.

Required: No

**MaxResults (p. 82)**

The maximum number of results to include in the response. If more results exist than the specified MaxResults value, a token is included in the response so that the remaining results can be retrieved.

Type: Integer


Required: No

**NextToken (p. 82)**

An optional token returned from a prior request. Use this token for pagination of results from this action. If this parameter is specified, the response includes only results beyond the token, up to the value specified by MaxResults.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 1000.
Required: No

**SortCriteria (p. 82)**

The sort order to use in listing the specified set of room profiles. Supported sort keys are ProfileName and Address.

Type: Array of Sort (p. 142) objects
Array Members: Maximum number of 25 items.
Required: No

**Response Syntax**

```
{
  "NextToken": "string",
  "Profiles": [ 
    { 
      "Address": "string",
      "DistanceUnit": "string",
      "ProfileArn": "string",
      "ProfileName": "string",
      "TemperatureUnit": "string",
      "Timezone": "string",
      "WakeWord": "string"
    }
  ],
  "TotalCount": 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.

**NextToken (p. 83)**

The token returned to indicate that there is more data available.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 1000.

**Profiles (p. 83)**

The profiles that meet the specified set of filter criteria, in sort order.
Type: Array of ProfileData (p. 132) objects

**TotalCount (p. 83)**

The total number of room profiles returned.
Type: Integer
Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

See Also

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

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

Searches rooms and lists the ones that meet a set of filter and sort criteria.

Request Syntax

```
{
  "Filters": [
    {
      "Key": "string",
      "Values": [ "string" ]
    }
  ],
  "MaxResults": number,
  "NextToken": "string",
  "SortCriteria": [
    {
      "Key": "string",
      "Value": "string"
    }
  ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**Filters (p. 85)**

The filters to use to list a specified set of rooms. The supported filter keys are RoomName and ProfileName.

- Type: Array of Filter (p. 129) objects
- Array Members: Maximum number of 25 items.
- Required: No

**MaxResults (p. 85)**

The maximum number of results to include in the response. If more results exist than the specified MaxResults value, a token is included in the response so that the remaining results can be retrieved.

- Type: Integer
- Required: No

**NextToken (p. 85)**

An optional token returned from a prior request. Use this token for pagination of results from this action. If this parameter is specified, the response includes only results beyond the token, up to the value specified by MaxResults.
Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

SortCriteria (p. 85)

The sort order to use in listing the specified set of rooms. The supported sort keys are RoomName and ProfileName.

Type: Array of Sort (p. 142) objects

Array Members: Maximum number of 25 items.

Required: No

Response Syntax

```json
{
    "NextToken": "string",
    "Rooms": [
        {
            "Description": "string",
            "ProfileArn": "string",
            "ProfileName": "string",
            "ProviderCalendarId": "string",
            "RoomArn": "string",
            "RoomName": "string"
        }
    ],
    "TotalCount": 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.

NextToken (p. 86)

The token returned to indicate that there is more data available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Rooms (p. 86)

The rooms that meet the specified set of filter criteria, in sort order.

Type: Array of RoomData (p. 136) objects

TotalCount (p. 86)

The total number of rooms returned.

Type: Integer
Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

See Also

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

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

Searches skill groups and lists the ones that meet a set of filter and sort criteria.

Request Syntax

```json
{
    "Filters": [
        {
            "Key": "string",
            "Values": [ "string" ]
        }
    ],
    "MaxResults": number,
    "NextToken": "string",
    "SortCriteria": [
        {
            "Key": "string",
            "Value": "string"
        }
    ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**Filters (p. 88)**

The filters to use to list a specified set of skill groups. The supported filter key is SkillGroupName.

Type: Array of Filter (p. 129) objects

Array Members: Maximum number of 25 items.

Required: No

**MaxResults (p. 88)**

The maximum number of results to include in the response. If more results exist than the specified MaxResults value, a token is included in the response so that the remaining results can be retrieved.

Type: Integer


Required: No

**NextToken (p. 88)**

An optional token returned from a prior request. Use this token for pagination of results from this action. If this parameter is specified, the response includes only results beyond the token, up to the value specified by MaxResults. Required.

Type: String
Length Constraints: Minimum length of 1. Maximum length of 1000.
Required: No

**SortCriteria (p. 88)**

The sort order to use in listing the specified set of skill groups. The supported sort key is `SkillGroupName`.
Type: Array of `Sort (p. 142)` objects
Array Members: Maximum number of 25 items.
Required: No

**Response Syntax**

```json
{
   "NextToken": "string",
   "SkillGroups": [
      {
         "Description": "string",
         "SkillGroupArn": "string",
         "SkillGroupName": "string"
      }
   ],
   "TotalCount": 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.

- **NextToken (p. 89)**
  The token returned to indicate that there is more data available.
  Type: String
  Length Constraints: Minimum length of 1. Maximum length of 1000.

- **SkillGroups (p. 89)**
  The skill groups that meet the filter criteria, in sort order.
  Type: Array of `SkillGroupData (p. 140)` objects

- **TotalCount (p. 89)**
  The total number of skill groups returned.
  Type: Integer

**Errors**

For information about the errors that are common to all actions, see [Common Errors (p. 148)].
See Also

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

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

Searches users and lists the ones that meet a set of filter and sort criteria.

Request Syntax

```json
{
    "Filters": [
        {
            "Key": "string",
            "Values": [ "string" ]
        }
    ],
    "MaxResults": number,
    "NextToken": "string",
    "SortCriteria": [
        {
            "Key": "string",
            "Value": "string"
        }
    ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

Filters (p. 91)

The filters to use for listing a specific set of users. Required. Supported filter keys are UserId, FirstName, LastName, Email, and EnrollmentStatus.

Type: Array of Filter (p. 129) objects

Array Members: Maximum number of 25 items.

Required: No

MaxResults (p. 91)

The maximum number of results to include in the response. If more results exist than the specified MaxResults value, a token is included in the response so that the remaining results can be retrieved. Required.

Type: Integer


Required: No

NextToken (p. 91)

An optional token returned from a prior request. Use this token for pagination of results from this action. If this parameter is specified, the response includes only results beyond the token, up to the value specified by MaxResults. Required.
Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

Required: No

SortCriteria (p. 91)

The sort order to use in listing the filtered set of users. Required. Supported sort keys are UserId, FirstName, LastName, Email, and EnrollmentStatus.

Type: Array of Sort (p. 142) objects

Array Members: Maximum number of 25 items.

Required: No

Response Syntax

```json
{
  "NextToken": "string",
  "TotalCount": number,
  "Users": [
    {
      "Email": "string",
      "EnrollmentId": "string",
      "EnrollmentStatus": "string",
      "FirstName": "string",
      "LastName": "string",
      "UserArn": "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 (p. 92)

The token returned to indicate that there is more data available.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 1000.

TotalCount (p. 92)

The total number of users returned.

Type: Integer

Users (p. 92)

The users that meet the specified set of filter criteria, in sort order.

Type: Array of UserData (p. 144) objects
Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

See Also

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

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

Sends an enrollment invitation email with a URL to a user. The URL is valid for 72 hours or until you call this operation again, whichever comes first.

Request Syntax

```
{
  "UserArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**UserArn (p. 94)**

The ARN of the user to whom to send an invitation. Required.

Type: String

Pattern: arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}

Required: No

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 (p. 148).

**InvalidUserStatusException**

The attempt to update a user is invalid due to the user's current status. HTTP Status Code: 400

HTTP Status Code: 400

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
See Also

- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
StartDeviceSync

Resets a device and its account to the known default settings, by clearing all information and settings set by previous users.

Request Syntax

```
{
   "DeviceArn": "string",
   "Features": [ "string" ],
   "RoomArn": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**DeviceArn (p. 96)**

The ARN of the device to sync. Required.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

**Features (p. 96)**

Request structure to start the device sync. Required.

Type: Array of strings

Valid Values: BLUETOOTH | VOLUME | NOTIFICATIONS | LISTS | SKILLS | ALL

Required: Yes

**RoomArn (p. 96)**

The ARN of the room with which the device to sync is associated. Required.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

Required: No

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 (p. 148).

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

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

Adds metadata tags to a specified resource.

### Request Syntax

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

### Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**Arn (p. 98)**

The ARN of the resource to which to add metadata tags. Required.

- **Type:** String
- **Pattern:** `arn:[a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}[^/].{0,1023}`
- **Required:** Yes

**Tags (p. 98)**

The tags to be added to the specified resource. Do not provide system tags. Required.

- **Type:** Array of [Tag (p. 143)] objects
- **Required:** Yes

### 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 (p. 148).

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
UntagResource

Removes metadata tags from a specified resource.

Request Syntax

```json
{
   "Arn": "string",
   "TagKeys": [ "string" ]
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

Arn (p. 100)

The ARN of the resource from which to remove metadata tags. Required.

Type: String

Pattern: arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,1023}

Required: Yes

TagKeys (p. 100)

The tags to be removed from the specified resource. Do not provide system tags. Required.

Type: Array of strings


Pattern: ^((\p{L}|\p{Z}|\p{N}|\p{P}[^-\@]*)/\^\-\@)*$  

Required: Yes

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 (p. 148).

NotFoundException

The resource is not found. HTTP Status Code: 400  
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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
UpdateAddressBook

Updates address book details by the address book ARN.

Request Syntax

```json
{
   "AddressBookArn": "string",
   "Description": "string",
   "Name": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**AddressBookArn (p. 102)**

The ARN of the room to update.

Type: String

Pattern: `arn:([a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023})`

Required: Yes

**Description (p. 102)**

The updated description of the room.

Type: String


Pattern: `[^\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

**Name (p. 102)**

The updated name of the room.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `[^\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

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 (p. 148).

**NameInUseException**

The name sent in the request is already in use. HTTP Status Code: 400

HTTP Status Code: 400

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
UpdateContact

Updates the contact details by the contact ARN.

Request Syntax

```
{
"ContactArn": "string",
"DisplayName": "string",
"FirstName": "string",
"LastName": "string",
"PhoneNumber": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**ContactArn (p. 104)**

The ARN of the contact to update.

Type: String

Pattern: \[a-z0-9-.]{1,63}\[a-z0-9-.]{0,63}\[a-z0-9-.]{0,63}\[a-z0-9-.]{0,63}\[a-z0-9-.]{0,63}\]^/\[0,1023\]

Required: Yes

**DisplayName (p. 104)**

The updated display name of the contact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF\]

Required: No

**FirstName (p. 104)**

The updated first name of the contact.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF\]

Required: No

**LastName (p. 104)**

The updated last name of the contact.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: [\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD \u10000-\u10FFFF]*
Required: No

PhoneNumber (p. 104)

The updated phone number of the contact.
Type: String
Pattern: ^\+\d{8,}#
Required: No

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 (p. 148).

NotFoundException

The resource is not found. HTTP Status Code: 400
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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
UpdateDevice

Updates the device name by device ARN.

Request Syntax

```json
{
  "DeviceArn": "string",
  "DeviceName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**DeviceArn (p. 106)**

The ARN of the device to update. Required.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:\[^/\].{0,1023}`

Required: No

**DeviceName (p. 106)**

The updated device name. Required.

Type: String


Pattern: `[\u0009\u000A\u000D\u0020-~\u0085\u00A0-퟿\uE000-�\u10000-ჿFF]*`

Required: No

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 (p. 148).

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
UpdateProfile

Updates an existing room profile by room profile ARN.

Request Syntax

```json
{
  "Address": "string",
  "DistanceUnit": "string",
  "MaxVolumeLimit": number,
  "ProfileArn": "string",
  "ProfileName": "string",
  "PSTNEnabled": "boolean",
  "SetupModeDisabled": "boolean",
  "TemperatureUnit": "string",
  "Timezone": "string",
  "WakeWord": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**Address (p. 108)**

The updated address for the room profile.

Type: String


Required: No

**DistanceUnit (p. 108)**

The updated distance unit for the room profile.

Type: String

Valid Values: METRIC | IMPERIAL

Required: No

**MaxVolumeLimit (p. 108)**

The updated maximum volume limit for the room profile.

Type: Integer

Required: No

**ProfileArn (p. 108)**

The ARN of the room profile to update. Required.

Type: String

Pattern: arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]\{0,63\}:[^/].\{0,1023\}
Required: No

ProfileName (p. 108)

The updated name for the room profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: [\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*

Required: No

PSTNEnabled (p. 108)

Whether the PSTN setting of the room profile is enabled.

Type: Boolean

Required: No

SetupModeDisabled (p. 108)

Whether the setup mode of the profile is enabled.

Type: Boolean

Required: No

TemperatureUnit (p. 108)

The updated temperature unit for the room profile.

Type: String

Valid Values: FARENHEIT | CELSIUS

Required: No

Timezone (p. 108)

The updated timezone for the room profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

WakeWord (p. 108)

The updated wake word for the room profile.

Type: String

Valid Values: ALEXA | AMAZON | ECHO | COMPUTER

Required: No

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 (p. 148).

NameInUseException

The name sent in the request is already in use. HTTP Status Code: 400

HTTP Status Code: 400

NotFoundException

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
UpdateRoom

Updates room details by room ARN.

Request Syntax

```
{
  "Description": "string",
  "ProfileArn": "string",
  "ProviderCalendarId": "string",
  "RoomArn": "string",
  "RoomName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

**Description (p. 111)**

The updated description for the room.

Type: String


Pattern: \[\u0009\u000A\u000D\u0020-~\u0085\u00A0-퟿\uE000-�\u10000-ჿFF]*

Required: No

**ProfileArn (p. 111)**

The updated profile ARN for the room.

Type: String

Pattern: arn:[a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}[^/]{0,1023}

Required: No

**ProviderCalendarId (p. 111)**

The updated provider calendar ARN for the room.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

**RoomArn (p. 111)**

The ARN of the room to update.

Type: String
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 (p. 148).

NameInUseException

The name sent in the request is already in use. HTTP Status Code: 400

HTTP Status Code: 400

NotFoundException

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
UpdateSkillGroup

Updates skill group details by skill group ARN.

Request Syntax

```
{
    "Description": "string",
    "SkillGroupArn": "string",
    "SkillGroupName": "string"
}
```

Request Parameters

For information about the parameters that are common to all actions, see Common Parameters (p. 146).

The request accepts the following data in JSON format.

Description (p. 113)

The updated description for the skill group.

Type: String


Pattern: 
```
[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD \u10000-\u10FFFF]*
```

Required: No

SkillGroupArn (p. 113)

The ARN of the skill group to update.

Type: String

Pattern: 
```
arn:[a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:{^/}.{0,1023}
```

Required: No

SkillGroupName (p. 113)

The updated name for the skill group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: 
```
[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD \u10000-\u10FFFF]*
```

Required: No

Response Elements

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

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Errors

For information about the errors that are common to all actions, see Common Errors (p. 148).

**NameInUseException**

The name sent in the request is already in use. HTTP Status Code: 400

HTTP Status Code: 400

**NotFoundException**

The resource is not found. HTTP Status Code: 400

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
- AWS SDK for .NET
- AWS SDK for C++
- AWS SDK for Go
- AWS SDK for Java
- AWS SDK for JavaScript
- AWS SDK for PHP V3
- AWS SDK for Python
- AWS SDK for Ruby V2
Data Types

The Alexa For Business 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:

- `AddressBook` (p. 116)
- `AddressBookData` (p. 117)
- `Contact` (p. 118)
- `ContactData` (p. 120)
- `Device` (p. 122)
- `DeviceData` (p. 124)
- `DeviceEvent` (p. 126)
- `DeviceStatusDetail` (p. 127)
- `DeviceStatusInfo` (p. 128)
- `Filter` (p. 129)
- `Profile` (p. 130)
- `ProfileData` (p. 132)
- `Room` (p. 134)
- `RoomData` (p. 136)
- `RoomSkillParameter` (p. 138)
- `SkillGroup` (p. 139)
- `SkillGroupData` (p. 140)
- `SkillSummary` (p. 141)
- `Sort` (p. 142)
- `Tag` (p. 143)
- `UserData` (p. 144)
AddressBook

An address book with attributes.

Contents

AddressBookArn

The ARN of the address book.

Type: String

Pattern: arn:[a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[^/].{0,1023}

Required: No

Description

The description of the address book.

Type: String


Pattern: [	
 -~ -퟿-�\u10000-ჿFF]*

Required: No

Name

The name of the address book.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: [	
 -~\u0085\u00A0-퟿\uE000-�\u10000-ჿFF]*

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
AddressBookData

Information related to an address book.

Contents

AddressBookArn

The ARN of the address book.

Type: String

Pattern: arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}

Required: No

Description

The description of the address book.

Type: String


Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*

Required: No

Name

The name of the address book.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Contact

A contact with attributes.

Contents

ContactArn

The ARN of the contact.

Type: String

Pattern: \[a-z0-9-\.]\{1,63\}:\[a-z0-9-\.]\{0,63\}:\[a-z0-9-\.]\{0,63\}:\[a-z0-9-\.]\{0,62\}:[^/].\{0,1023\}

Required: No

DisplayName

The name of the contact to display on the console.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF\]*

Required: No

FirstName

The first name of the contact, used to call the contact on the device.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF\]*

Required: No

LastName

The last name of the contact, used to call the contact on the device.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF\]*

Required: No

PhoneNumber

The phone number of the contact.

Type: String

Pattern: ^\+\d{8,}$
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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
ContactData

Information related to a contact.

Contents

**ContactArn**

The ARN of the contact.

Type: String

Pattern: `arn:[a-zA-Z0-9-.]{1,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}:[a-zA-Z0-9-.]{0,63}:\^[^/].{0,1023}`

Required: No

**DisplayName**

The name of the contact to display on the console.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

**FirstName**

The first name of the contact, used to call the contact on the device.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

**LastName**

The last name of the contact, used to call the contact on the device.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*`

Required: No

**PhoneNumber**

The phone number of the contact.

Type: String

Pattern: `^\+\d{8,}$`
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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Device

A device with attributes.

Contents

DeviceArn

The ARN of a device.

Type: String

Pattern: \[a-z0-9-\.]{1,63}\[a-z0-9-\.]{0,63}\[a-z0-9-\.]{0,63}\[a-z0-9-\.]{0,63}\[^/\].{0,1023}

Required: No

DeviceName

The name of a device.

Type: String


Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*

Required: No

DeviceSerialNumber

The serial number of a device.

Type: String

Pattern: [a-zA-Z0-9]{1,200}

Required: No

DeviceStatus

The status of a device. If the status is not READY, check the DeviceStatusInfo value for details.

Type: String

Valid Values: READY | PENDING | WAS_OFFLINE

Required: No

DeviceStatusInfo

Detailed information about a device's status.

Type: DeviceStatusInfo (p. 128) object

Required: No

DeviceType

The type of a device.

Type: String
Pattern: \([a-zA-Z0-9\]{1,200}\)

Required: No

**MacAddress**

The MAC address of a device.

Type: String

Required: No

**RoomArn**

The room ARN of a device.

Type: String

Pattern: `arn:\([a-zA-Z0-9-\.]{1,63}:[a-zA-Z0-9-\.]{0,63}:[a-zA-Z0-9-\.]{0,63}:[a-zA-Z0-9-\.]{0,63}[^/].{0,1023}\)`

Required: No

**SoftwareVersion**

The software version of a device.

Type: String

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
DeviceData

Device attributes.

Contents

DeviceArn

The ARN of a device.
Type: String

Pattern: arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}
Required: No

DeviceName

The name of a device.
Type: String

Pattern: [\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*
Required: No

DeviceSerialNumber

The serial number of a device.
Type: String

Pattern: [a-zA-Z0-9]{1,200}
Required: No

DeviceStatus

The status of a device.
Type: String

Valid Values: READY | PENDING | WAS_OFFLINE
Required: No

DeviceStatusInfo

Detailed information about a device's status.
Type: DeviceStatusInfo (p. 128) object
Required: No

DeviceType

The type of a device.
Type: String
MacAddress

The MAC address of a device.

Type: String

Required: No

RoomArn

The room ARN associated with a device.

Type: String

Pattern: arn:[a-zA-Z0-9\-\.]{1,63}:[a-zA-Z0-9\-\.]{0,63}:[a-zA-Z0-9\-\.]{0,63}:[a-zA-Z0-9\-\.]{0,63}:[^/].{0,1023}

Required: No

RoomName

The name of the room associated with a device.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: [\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*

Required: No

SoftwareVersion

The software version of a device.

Type: String

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
DeviceEvent

The list of device events.

Contents

Timestamp

The time (in epoch) when the event occurred.

Type: Timestamp

Required: No

Type

The type of device event.

Type: String

Valid Values: CONNECTION_STATUS

Required: No

Value

The value of the event.

Type: String

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
DeviceStatusDetail

Details of a device's status.

Contents

Code

The device status detail code.

Type: String

Valid Values: DEVICE_SOFTWARE_UPDATE_NEEDED | DEVICE_WAS_OFFLINE

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
DeviceStatusInfo

Detailed information about a device's status.

Contents

ConnectionStatus

The latest available information about the connection status of a device.

Type: String

Valid Values: ONLINE | OFFLINE

Required: No

DeviceStatusDetails

One or more device status detail descriptions.

Type: Array of DeviceStatusDetail (p. 127) 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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Filter

A filter name and value pair that is used to return a more specific list of results. Filters can be used to match a set of resources by various criteria.

Contents

Key

The key of a filter.

Type: String


Required: Yes

Values

The values of a filter.

Type: Array of strings

Array Members: Maximum number of 5 items.


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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Profile

A room profile with attributes.

Contents

Address

The address of a room profile.
Type: String
Required: No

DistanceUnit

The distance unit of a room profile.
Type: String
Valid Values: METRIC | IMPERIAL
Required: No

MaxVolumeLimit

The max volume limit of a room profile.
Type: Integer
Required: No

ProfileArn

The ARN of a room profile.
Type: String
Pattern: arn:[a-z0-9-.]([a-z0-9-.]{1,63}){0,63}:[a-z0-9-.]([a-z0-9-.]{0,63}){0,63}:[a-z0-9-.]([a-z0-9-.]{0,63}){0,63}:[a-z0-9-.]([a-z0-9-.]{0,63}){0,63}:[^/].{0,1023}
Required: No

ProfileName

The name of a room profile.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: [\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*
Required: No

PSTNEnabled

The PSTN setting of a room profile.
Type: Boolean
Required: No

**SetupModeDisabled**

The setup mode of a room profile.

Type: Boolean

Required: No

**TemperatureUnit**

The temperature unit of a room profile.

Type: String

Valid Values: FAHRENHEIT | CELSIUS

Required: No

**Timezone**

The time zone of a room profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Required: No

**WakeWord**

The wake word of a room profile.

Type: String

Valid Values: ALEXA | AMAZON | ECHO | COMPUTER

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
ProfileData

The data of a room profile.

Contents

Address

The address of a room profile.

Type: String


Required: No

DistanceUnit

The distance unit of a room profile.

Type: String

Valid Values: METRIC | IMPERIAL

Required: No

ProfileArn

The ARN of a room profile.

Type: String

Pattern: arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}

Required: No

ProfileName

The name of a room profile.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*

Required: No

TemperatureUnit

The temperature unit of a room profile.

Type: String

Valid Values: FAHRENHEIT | CELSIUS

Required: No

Timezone

The timezone of a room profile.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Required: No

**WakeWord**

The wake word of a room profile.

Type: String
Valid Values: ALEXA | AMAZON | ECHO | COMPUTER
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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Room

A room with attributes.

Contents

Description

The description of a room.

Type: String


Pattern: [	
 -~ -퟿-� က0-ჿFF]*

Required: No

ProfileArn

The profile ARN of a room.

Type: String

Pattern: arn:[a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[^/].{0,1023}

Required: No

ProviderCalendarId

The provider calendar ARN of a room.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 100.

Required: No

RoomArn

The ARN of a room.

Type: String

Pattern: arn:[a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[^/].{0,1023}

Required: No

RoomName

The name of a room.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: [	
 -~ -퟿-� က0-ჿFF]*

Required: No

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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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
RoomData

The data of a room.

Contents

Description
The description of a room.
Type: String
Pattern: [	
 -~ -퟿-� က0-ჿFF]*
Required: No

ProfileArn
The profile ARN of a room.
Type: String

Pattern: arn:[a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[^/].{0,1023}
Required: No

ProfileName
The profile name of a room.
Type: String
Length Constraints: Minimum length of 1. Maximum length of 100.
Pattern: [	
 -~ -퟿-� က0-ჿFF]*
Required: No

ProviderCalendarId
The provider calendar ARN of a room.
Type: String
Length Constraints: Minimum length of 0. Maximum length of 100.
Required: No

RoomArn
The ARN of a room.
Type: String
Pattern: arn:[a-z0-9-.]{1,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[a-z0-9-.]{0,63}:[^/].{0,1023}
Required: No
**RoomName**

The name of a room.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: `{[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFF \u10000-\u10FFFF]*}

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
RoomSkillParameter

A skill parameter associated with a room.

Contents

ParameterKey

The parameter key of a room skill parameter. ParameterKey is an enumerated type that only takes “DEFAULT” or “SCOPE” as valid values.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 256.

Required: Yes

ParameterValue

The parameter value of a room skill parameter.

Type: String


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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
**SkillGroup**

A skill group with attributes.

**Contents**

**Description**

The description of a skill group.

Type: String


Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD \u10000-\u10FFFF\]*

Required: No

**SkillGroupArn**

The ARN of a skill group.

Type: String

Pattern: arn:[a-zA-z0-9-.]{1,63}:[a-zA-z0-9-.]{0,63}:[a-zA-z0-9-.]{0,63}:[a-zA-z0-9-.]{0,63}:[^/].{0,1023}

Required: No

**SkillGroupName**

The name of a skill group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD \u10000-\u10FFFF\]*

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
SkillGroupData

The attributes of a skill group.

Contents

Description

The description of a skill group.

Type: String


Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD \u10000-\u10FFFF\]*

Required: No

SkillGroupArn

The skill group ARN of a skill group.

Type: String

Pattern: arn:\[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}

Required: No

SkillGroupName

The skill group name of a skill group.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD \u10000-\u10FFFF\]*

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
SkillSummary

The summary of skills.

Contents

SkillId

The ARN of the skill summary.

Type: String

Pattern: (^amzn1\.ask\.skill\.[0-9a-f-]{1,200})|(^amzn1\.echo-sdk-ams\..app\.[0-9a-f-]{1,200})

Required: No

SkillName

The name of the skill.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 100.

Pattern: \[\u0009\u000A\u000D\u0020-\u007E\u0085\u00A0-\uD7FF\uE000-\uFFFD\u10000-\u10FFFF]*

Required: No

SupportsLinking

Linking support for a skill.

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Sort

An object representing a sort criteria.

Contents

Key

The sort key of a sort object.

Type: String


Required: Yes

Value

The sort value of a sort object.

Type: String

Valid Values: ASC  |  DESC

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
Tag

A key-value pair that can be associated with a resource.

Contents

Key

The key of a tag. Tag keys are case-sensitive.

Type: String


Pattern: ^([\p{L}\p{Z}\p{N}_:./=\+\-@]*)$

Required: No

Value

The value of a tag. Tag values are case-sensitive and can be null.

Type: String

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

Pattern: ^([\p{L}\p{Z}\p{N}_:./=\+\-@]*)$

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
**UserData**

Information related to a user.

**Contents**

**Email**

The email of a user.

Type: String


Pattern: \([0-9a-zA-Z][+-\.w][0-9a-zA-Z]\)*@\([0-9a-zA-Z][-\w]*[0-9a-zA-Z]\)+[a-zA-Z]{2,9}\)

Required: No

**EnrollmentId**

The enrollment ARN of a user.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 128.

Required: No

**EnrollmentStatus**

The enrollment status of a user.

Type: String

Valid Values: INITIALIZED | PENDING | REGISTERED | DISASSOCIATING | DEREGISTERING

Required: No

**FirstName**

The first name of a user.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 30.

Pattern: \([A-Za-z\-' 0-9.\]|\p{IsLetter})*\]

Required: No

**LastName**

The last name of a user.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 30.

Pattern: \([A-Za-z\-' 0-9.\]|\p{IsLetter})*\]

Required: No
**UserArn**

The ARN of a user.

Type: String

Pattern: `arn:[a-z0-9-\.]{1,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[a-z0-9-\.]{0,63}:[^/].{0,1023}`

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 Go
- AWS SDK for Java
- AWS SDK for Ruby V2
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 Signature Version 4 Signing Process in the Amazon Web Services General Reference.

**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 Task 2: Create a String to Sign for Signature Version 4 in the Amazon Web Services General Reference.

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 Handling Dates in Signature Version 4 in the Amazon Web Services General Reference.

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 Security Token Service, go to AWS Services That Work with IAM in the IAM User Guide.

Condition: If you're using temporary security credentials from the AWS Security Token Service, 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 Task 1: Create a Canonical Request For Signature Version 4 in the Amazon Web Services General Reference.

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: 400

**IncompleteSignature**

The request signature does not conform to AWS standards.

HTTP Status Code: 400

**InternalFailure**

The request processing has failed because of an unknown error, exception or failure.

HTTP Status Code: 500

**InvalidAction**

The action or operation requested is invalid. Verify that the action is typed correctly.

HTTP Status Code: 400

**InvalidClientTokenId**

The X.509 certificate or AWS access key ID provided does not exist in our records.

HTTP Status Code: 403

**InvalidParameterCombination**

Parameters that must not be used together were used together.

HTTP Status Code: 400

**InvalidParameterValue**

An invalid or out-of-range value was supplied for the input parameter.

HTTP Status Code: 400

**InvalidQueryParameter**

The AWS query string is malformed or does not adhere to AWS standards.

HTTP Status Code: 400

**MalformedQueryString**

The query string contains a syntax error.

HTTP Status Code: 404

**MissingAction**

The request is missing an action or a required parameter.

HTTP Status Code: 400
**MissingAuthenticationToken**

The request must contain either a valid (registered) AWS access key ID or X.509 certificate.

HTTP Status Code: 403

**MissingParameter**

A required parameter for the specified action is not supplied.

HTTP Status Code: 400

**OptInRequired**

The AWS access key ID needs a subscription for the service.

HTTP Status Code: 403

**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

**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

**ValidationError**

The input fails to satisfy the constraints specified by an AWS service.

HTTP Status Code: 400