



API Reference

AWS Clean Rooms



API Version 2022-02-17

Copyright © 2024 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

AWS Clean Rooms: API Reference

Copyright © 2024 Amazon Web Services, Inc. and/or its affiliates. All rights reserved.

Amazon's trademarks and trade dress may not be used in connection with any product or service that is not Amazon's, in any manner that is likely to cause confusion among customers, or in any manner that disparages or discredits Amazon. All other trademarks not owned by Amazon are the property of their respective owners, who may or may not be affiliated with, connected to, or sponsored by Amazon.

Table of Contents

Welcome	1
Actions	2
BatchGetCollaborationAnalysisTemplate	5
Request Syntax	5
URI Request Parameters	5
Request Body	5
Response Syntax	6
Response Elements	7
Errors	7
See Also	8
BatchGetSchema	9
Request Syntax	9
URI Request Parameters	9
Request Body	9
Response Syntax	10
Response Elements	11
Errors	11
See Also	12
BatchGetSchemaAnalysisRule	14
Request Syntax	14
URI Request Parameters	14
Request Body	14
Response Syntax	15
Response Elements	15
Errors	16
See Also	17
CreateAnalysisTemplate	18
Request Syntax	18
URI Request Parameters	18
Request Body	19
Response Syntax	20
Response Elements	21
Errors	21
See Also	22

CreateCollaboration	24
Request Syntax	24
URI Request Parameters	25
Request Body	25
Response Syntax	27
Response Elements	28
Errors	28
See Also	29
CreateConfiguredAudienceModelAssociation	30
Request Syntax	30
URI Request Parameters	30
Request Body	30
Response Syntax	32
Response Elements	33
Errors	33
See Also	34
CreateConfiguredTable	35
Request Syntax	35
URI Request Parameters	35
Request Body	35
Response Syntax	37
Response Elements	37
Errors	38
See Also	39
CreateConfiguredTableAnalysisRule	40
Request Syntax	40
URI Request Parameters	40
Request Body	40
Response Syntax	41
Response Elements	41
Errors	42
See Also	42
CreateConfiguredTableAssociation	44
Request Syntax	44
URI Request Parameters	44
Request Body	44

Response Syntax	46
Response Elements	46
Errors	47
See Also	48
CreateMembership	49
Request Syntax	49
URI Request Parameters	49
Request Body	49
Response Syntax	51
Response Elements	51
Errors	52
See Also	53
CreatePrivacyBudgetTemplate	54
Request Syntax	54
URI Request Parameters	54
Request Body	54
Response Syntax	56
Response Elements	56
Errors	57
See Also	57
DeleteAnalysisTemplate	59
Request Syntax	59
URI Request Parameters	59
Request Body	59
Response Syntax	59
Response Elements	60
Errors	60
See Also	60
DeleteCollaboration	62
Request Syntax	62
URI Request Parameters	62
Request Body	62
Response Syntax	62
Response Elements	62
Errors	62
See Also	63

DeleteConfiguredAudienceModelAssociation	64
Request Syntax	64
URI Request Parameters	64
Request Body	64
Response Syntax	64
Response Elements	65
Errors	65
See Also	65
DeleteConfiguredTable	67
Request Syntax	67
URI Request Parameters	67
Request Body	67
Response Syntax	67
Response Elements	67
Errors	67
See Also	68
DeleteConfiguredTableAnalysisRule	70
Request Syntax	70
URI Request Parameters	70
Request Body	70
Response Syntax	70
Response Elements	71
Errors	71
See Also	72
DeleteConfiguredTableAssociation	73
Request Syntax	73
URI Request Parameters	73
Request Body	73
Response Syntax	73
Response Elements	74
Errors	74
See Also	75
DeleteMember	76
Request Syntax	76
URI Request Parameters	76
Request Body	76

Response Syntax	76
Response Elements	77
Errors	77
See Also	78
DeleteMembership	79
Request Syntax	79
URI Request Parameters	79
Request Body	79
Response Syntax	79
Response Elements	79
Errors	79
See Also	80
DeletePrivacyBudgetTemplate	82
Request Syntax	82
URI Request Parameters	82
Request Body	82
Response Syntax	82
Response Elements	83
Errors	83
See Also	83
GetAnalysisTemplate	85
Request Syntax	85
URI Request Parameters	85
Request Body	85
Response Syntax	85
Response Elements	86
Errors	86
See Also	87
GetCollaboration	89
Request Syntax	89
URI Request Parameters	89
Request Body	89
Response Syntax	89
Response Elements	90
Errors	90
See Also	91

GetCollaborationAnalysisTemplate	92
Request Syntax	92
URI Request Parameters	92
Request Body	92
Response Syntax	92
Response Elements	93
Errors	93
See Also	94
GetCollaborationConfiguredAudienceModelAssociation	96
Request Syntax	96
URI Request Parameters	96
Request Body	96
Response Syntax	96
Response Elements	97
Errors	97
See Also	98
GetCollaborationPrivacyBudgetTemplate	99
Request Syntax	99
URI Request Parameters	99
Request Body	99
Response Syntax	99
Response Elements	100
Errors	100
See Also	101
GetConfiguredAudienceModelAssociation	102
Request Syntax	102
URI Request Parameters	102
Request Body	102
Response Syntax	102
Response Elements	103
Errors	103
See Also	104
GetConfiguredTable	105
Request Syntax	105
URI Request Parameters	105
Request Body	105

Response Syntax	105
Response Elements	106
Errors	106
See Also	107
GetConfiguredTableAnalysisRule	108
Request Syntax	108
URI Request Parameters	108
Request Body	108
Response Syntax	108
Response Elements	109
Errors	109
See Also	110
GetConfiguredTableAssociation	111
Request Syntax	111
URI Request Parameters	111
Request Body	111
Response Syntax	111
Response Elements	112
Errors	112
See Also	113
GetMembership	114
Request Syntax	114
URI Request Parameters	114
Request Body	114
Response Syntax	114
Response Elements	115
Errors	115
See Also	116
GetPrivacyBudgetTemplate	117
Request Syntax	117
URI Request Parameters	117
Request Body	117
Response Syntax	117
Response Elements	118
Errors	118
See Also	119

GetProtectedQuery	120
Request Syntax	120
URI Request Parameters	120
Request Body	120
Response Syntax	120
Response Elements	121
Errors	122
See Also	122
GetSchema	124
Request Syntax	124
URI Request Parameters	124
Request Body	124
Response Syntax	124
Response Elements	125
Errors	126
See Also	126
GetSchemaAnalysisRule	128
Request Syntax	128
URI Request Parameters	128
Request Body	129
Response Syntax	129
Response Elements	129
Errors	129
See Also	130
ListAnalysisTemplates	131
Request Syntax	131
URI Request Parameters	131
Request Body	131
Response Syntax	131
Response Elements	132
Errors	132
See Also	133
ListCollaborationAnalysisTemplates	135
Request Syntax	135
URI Request Parameters	135
Request Body	135

Response Syntax	135
Response Elements	136
Errors	136
See Also	137
ListCollaborationConfiguredAudienceModelAssociations	139
Request Syntax	139
URI Request Parameters	139
Request Body	139
Response Syntax	139
Response Elements	140
Errors	140
See Also	141
ListCollaborationPrivacyBudgets	143
Request Syntax	143
URI Request Parameters	143
Request Body	144
Response Syntax	144
Response Elements	144
Errors	145
See Also	145
ListCollaborationPrivacyBudgetTemplates	147
Request Syntax	147
URI Request Parameters	147
Request Body	147
Response Syntax	147
Response Elements	148
Errors	148
See Also	149
ListCollaborations	151
Request Syntax	151
URI Request Parameters	151
Request Body	151
Response Syntax	151
Response Elements	152
Errors	152
See Also	153

ListConfiguredAudienceModelAssociations	154
Request Syntax	154
URI Request Parameters	154
Request Body	154
Response Syntax	155
Response Elements	155
Errors	156
See Also	156
ListConfiguredTableAssociations	158
Request Syntax	158
URI Request Parameters	158
Request Body	158
Response Syntax	158
Response Elements	159
Errors	159
See Also	160
ListConfiguredTables	162
Request Syntax	162
URI Request Parameters	162
Request Body	162
Response Syntax	162
Response Elements	163
Errors	163
See Also	164
ListMembers	165
Request Syntax	165
URI Request Parameters	165
Request Body	165
Response Syntax	165
Response Elements	166
Errors	167
See Also	167
ListMemberships	169
Request Syntax	169
URI Request Parameters	169
Request Body	169

Response Syntax	169
Response Elements	170
Errors	170
See Also	171
ListPrivacyBudgets	172
Request Syntax	172
URI Request Parameters	172
Request Body	173
Response Syntax	173
Response Elements	173
Errors	174
See Also	175
ListPrivacyBudgetTemplates	176
Request Syntax	176
URI Request Parameters	176
Request Body	176
Response Syntax	177
Response Elements	177
Errors	178
See Also	178
ListProtectedQueries	180
Request Syntax	180
URI Request Parameters	180
Request Body	181
Response Syntax	181
Response Elements	181
Errors	182
See Also	182
ListSchemas	184
Request Syntax	184
URI Request Parameters	184
Request Body	185
Response Syntax	185
Response Elements	185
Errors	186
See Also	186

ListTagsForResource	188
Request Syntax	188
URI Request Parameters	188
Request Body	188
Response Syntax	188
Response Elements	188
Errors	189
See Also	189
PreviewPrivacyImpact	191
Request Syntax	191
URI Request Parameters	191
Request Body	191
Response Syntax	192
Response Elements	192
Errors	192
See Also	193
StartProtectedQuery	194
Request Syntax	194
URI Request Parameters	194
Request Body	194
Response Syntax	195
Response Elements	196
Errors	196
See Also	197
TagResource	199
Request Syntax	199
URI Request Parameters	199
Request Body	199
Response Syntax	200
Response Elements	200
Errors	200
See Also	200
UntagResource	202
Request Syntax	202
URI Request Parameters	202
Request Body	202

Response Syntax	202
Response Elements	203
Errors	203
See Also	203
UpdateAnalysisTemplate	204
Request Syntax	204
URI Request Parameters	204
Request Body	204
Response Syntax	205
Response Elements	206
Errors	206
See Also	207
UpdateCollaboration	208
Request Syntax	208
URI Request Parameters	208
Request Body	208
Response Syntax	209
Response Elements	210
Errors	210
See Also	210
UpdateConfiguredAudienceModelAssociation	212
Request Syntax	212
URI Request Parameters	212
Request Body	213
Response Syntax	213
Response Elements	214
Errors	214
See Also	215
UpdateConfiguredTable	216
Request Syntax	216
URI Request Parameters	216
Request Body	216
Response Syntax	217
Response Elements	217
Errors	218
See Also	218

UpdateConfiguredTableAnalysisRule	220
Request Syntax	220
URI Request Parameters	220
Request Body	220
Response Syntax	221
Response Elements	221
Errors	221
See Also	222
UpdateConfiguredTableAssociation	224
Request Syntax	224
URI Request Parameters	224
Request Body	224
Response Syntax	225
Response Elements	226
Errors	226
See Also	227
UpdateMembership	228
Request Syntax	228
URI Request Parameters	228
Request Body	228
Response Syntax	229
Response Elements	230
Errors	230
See Also	231
UpdatePrivacyBudgetTemplate	232
Request Syntax	232
URI Request Parameters	232
Request Body	233
Response Syntax	233
Response Elements	234
Errors	234
See Also	235
UpdateProtectedQuery	236
Request Syntax	236
URI Request Parameters	236
Request Body	236

Response Syntax	237
Response Elements	238
Errors	238
See Also	239
Data Types	240
AggregateColumn	244
Contents	244
See Also	244
AggregationConstraint	245
Contents	245
See Also	246
AnalysisParameter	247
Contents	247
See Also	248
AnalysisRule	249
Contents	249
See Also	250
AnalysisRuleAggregation	251
Contents	251
See Also	253
AnalysisRuleCustom	254
Contents	254
See Also	255
AnalysisRuleList	256
Contents	256
See Also	257
AnalysisRulePolicy	258
Contents	258
See Also	258
AnalysisRulePolicyV1	259
Contents	259
See Also	259
AnalysisSchema	261
Contents	261
See Also	261
AnalysisSource	262

Contents	262
See Also	262
AnalysisTemplate	263
Contents	263
See Also	266
AnalysisTemplateSummary	267
Contents	267
See Also	269
BatchGetCollaborationAnalysisTemplateError	270
Contents	270
See Also	270
BatchGetSchemaAnalysisRuleError	272
Contents	272
See Also	273
BatchGetSchemaError	274
Contents	274
See Also	274
Collaboration	276
Contents	276
See Also	279
CollaborationAnalysisTemplate	280
Contents	280
See Also	283
CollaborationAnalysisTemplateSummary	284
Contents	284
See Also	286
CollaborationConfiguredAudienceModelAssociation	287
Contents	287
See Also	289
CollaborationConfiguredAudienceModelAssociationSummary	290
Contents	290
See Also	292
CollaborationPrivacyBudgetSummary	293
Contents	293
See Also	295
CollaborationPrivacyBudgetTemplate	296

Contents	296
See Also	298
CollaborationPrivacyBudgetTemplateSummary	300
Contents	300
See Also	302
CollaborationSummary	303
Contents	303
See Also	305
Column	306
Contents	306
See Also	306
ConfiguredAudienceModelAssociation	307
Contents	307
See Also	310
ConfiguredAudienceModelAssociationSummary	311
Contents	311
See Also	314
ConfiguredTable	315
Contents	315
See Also	317
ConfiguredTableAnalysisRule	318
Contents	318
See Also	319
ConfiguredTableAnalysisRulePolicy	320
Contents	320
See Also	320
ConfiguredTableAnalysisRulePolicyV1	321
Contents	321
See Also	321
ConfiguredTableAssociation	323
Contents	323
See Also	325
ConfiguredTableAssociationSummary	327
Contents	327
See Also	329
ConfiguredTableSummary	330

Contents	330
See Also	331
DataEncryptionMetadata	333
Contents	333
See Also	334
DifferentialPrivacyColumn	335
Contents	335
See Also	335
DifferentialPrivacyConfiguration	336
Contents	336
See Also	336
DifferentialPrivacyParameters	337
Contents	337
See Also	337
DifferentialPrivacyPreviewAggregation	338
Contents	338
See Also	338
DifferentialPrivacyPreviewParametersInput	339
Contents	339
See Also	339
DifferentialPrivacyPrivacyBudget	340
Contents	340
See Also	340
DifferentialPrivacyPrivacyBudgetAggregation	341
Contents	341
See Also	341
DifferentialPrivacyPrivacyImpact	343
Contents	343
See Also	343
DifferentialPrivacySensitivityParameters	344
Contents	344
See Also	345
DifferentialPrivacyTemplateParametersInput	346
Contents	346
See Also	346
DifferentialPrivacyTemplateParametersOutput	347

Contents	347
See Also	347
DifferentialPrivacyTemplateUpdateParameters	348
Contents	348
See Also	348
GlueTableReference	349
Contents	349
See Also	349
Membership	350
Contents	350
See Also	353
MembershipPaymentConfiguration	354
Contents	354
See Also	354
MembershipProtectedQueryOutputConfiguration	355
Contents	355
See Also	355
MembershipProtectedQueryResultConfiguration	356
Contents	356
See Also	356
MembershipQueryComputePaymentConfig	357
Contents	357
See Also	357
MembershipSummary	358
Contents	358
See Also	360
MemberSpecification	362
Contents	362
See Also	363
MemberSummary	364
Contents	364
See Also	366
PaymentConfiguration	367
Contents	367
See Also	367
PreviewPrivacyImpactParametersInput	368

Contents	368
See Also	368
PrivacyBudget	369
Contents	369
See Also	369
PrivacyBudgetSummary	370
Contents	370
See Also	372
PrivacyBudgetTemplate	374
Contents	374
See Also	377
PrivacyBudgetTemplateParametersInput	378
Contents	378
See Also	378
PrivacyBudgetTemplateParametersOutput	379
Contents	379
See Also	379
PrivacyBudgetTemplateSummary	380
Contents	380
See Also	382
PrivacyBudgetTemplateUpdateParameters	383
Contents	383
See Also	383
PrivacyImpact	384
Contents	384
See Also	384
ProtectedQuery	385
Contents	385
See Also	387
ProtectedQueryError	388
Contents	388
See Also	388
ProtectedQueryOutput	389
Contents	389
See Also	389
ProtectedQueryOutputConfiguration	390

Contents	390
See Also	390
ProtectedQueryResult	391
Contents	391
See Also	391
ProtectedQueryResultConfiguration	392
Contents	392
See Also	392
ProtectedQueryS3Output	393
Contents	393
See Also	393
ProtectedQueryS3OutputConfiguration	394
Contents	394
See Also	394
ProtectedQuerySingleMemberOutput	396
Contents	396
See Also	396
ProtectedQuerySQLParameters	397
Contents	397
See Also	398
ProtectedQueryStatistics	399
Contents	399
See Also	399
ProtectedQuerySummary	400
Contents	400
See Also	401
QueryComputePaymentConfig	402
Contents	402
See Also	402
Schema	403
Contents	403
See Also	406
SchemaAnalysisRuleRequest	407
Contents	407
See Also	407
SchemaStatusDetail	408

Contents	408
See Also	409
SchemaStatusReason	410
Contents	410
See Also	410
SchemaSummary	411
Contents	411
See Also	413
TableReference	414
Contents	414
See Also	414
ValidationExceptionField	415
Contents	415
See Also	415
Common Parameters	416
Common Errors	419

Welcome

Welcome to the *AWS Clean Rooms API Reference*.

AWS Clean Rooms is an AWS service that helps multiple parties to join their data together in a secure collaboration workspace. In the collaboration, members who can query and receive results can get insights into the collective datasets without either party getting access to the other party's raw data.

To learn more about AWS Clean Rooms concepts, procedures, and best practices, see the [AWS Clean Rooms User Guide](#).

To learn more about SQL commands, functions, and conditions supported in AWS Clean Rooms, see the [AWS Clean Rooms SQL Reference](#).

This document was last published on April 8, 2024.

Actions

The following actions are supported:

- [BatchGetCollaborationAnalysisTemplate](#)
- [BatchGetSchema](#)
- [BatchGetSchemaAnalysisRule](#)
- [CreateAnalysisTemplate](#)
- [CreateCollaboration](#)
- [CreateConfiguredAudienceModelAssociation](#)
- [CreateConfiguredTable](#)
- [CreateConfiguredTableAnalysisRule](#)
- [CreateConfiguredTableAssociation](#)
- [CreateMembership](#)
- [CreatePrivacyBudgetTemplate](#)
- [DeleteAnalysisTemplate](#)
- [DeleteCollaboration](#)
- [DeleteConfiguredAudienceModelAssociation](#)
- [DeleteConfiguredTable](#)
- [DeleteConfiguredTableAnalysisRule](#)
- [DeleteConfiguredTableAssociation](#)
- [DeleteMember](#)
- [DeleteMembership](#)
- [DeletePrivacyBudgetTemplate](#)
- [GetAnalysisTemplate](#)
- [GetCollaboration](#)
- [GetCollaborationAnalysisTemplate](#)
- [GetCollaborationConfiguredAudienceModelAssociation](#)
- [GetCollaborationPrivacyBudgetTemplate](#)
- [GetConfiguredAudienceModelAssociation](#)
- [GetConfiguredTable](#)

- [GetConfiguredTableAnalysisRule](#)
- [GetConfiguredTableAssociation](#)
- [GetMembership](#)
- [GetPrivacyBudgetTemplate](#)
- [GetProtectedQuery](#)
- [GetSchema](#)
- [GetSchemaAnalysisRule](#)
- [ListAnalysisTemplates](#)
- [ListCollaborationAnalysisTemplates](#)
- [ListCollaborationConfiguredAudienceModelAssociations](#)
- [ListCollaborationPrivacyBudgets](#)
- [ListCollaborationPrivacyBudgetTemplates](#)
- [ListCollaborations](#)
- [ListConfiguredAudienceModelAssociations](#)
- [ListConfiguredTableAssociations](#)
- [ListConfiguredTables](#)
- [ListMembers](#)
- [ListMemberships](#)
- [ListPrivacyBudgets](#)
- [ListPrivacyBudgetTemplates](#)
- [ListProtectedQueries](#)
- [ListSchemas](#)
- [ListTagsForResource](#)
- [PreviewPrivacyImpact](#)
- [StartProtectedQuery](#)
- [TagResource](#)
- [UntagResource](#)
- [UpdateAnalysisTemplate](#)
- [UpdateCollaboration](#)
- [UpdateConfiguredAudienceModelAssociation](#)

- [UpdateConfiguredTable](#)
- [UpdateConfiguredTableAnalysisRule](#)
- [UpdateConfiguredTableAssociation](#)
- [UpdateMembership](#)
- [UpdatePrivacyBudgetTemplate](#)
- [UpdateProtectedQuery](#)

BatchGetCollaborationAnalysisTemplate

Retrieves multiple analysis templates within a collaboration by their Amazon Resource Names (ARNs).

Request Syntax

```
POST /collaborations/collaborationIdentifier/batch-analysistemplates HTTP/1.1
Content-type: application/json

{
  "analysisTemplateArns
```

URI Request Parameters

The request uses the following URI parameters.

collaborationIdentifier

A unique identifier for the collaboration that the analysis templates belong to. Currently accepts collaboration ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

analysisTemplateArns

The Amazon Resource Name (ARN) associated with the analysis template within a collaboration.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 10 items.

Length Constraints: Minimum length of 0. Maximum length of 200.

Pattern: arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+/analysistemplate/[\d\w-]+

Required: Yes

Response Syntax

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

{
  "collaborationAnalysisTemplatesanalysisParametersdefaultValuestring",
          "namestring",
          "typestring"
        }
      ],
      "arnstring",
      "collaborationArnstring",
      "collaborationIdstring",
      "createTimenumber,
      "creatorAccountIdstring",
      "descriptionstring",
      "formatstring",
      "idstring",
      "namestring",
      "schemareferencedTablesstring "]
      },
      "sourceupdateTimenumber
    }
  ],
  "errorsarnstring",
      "codestring",
    }
  ]
}
```

```
    "message": "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.

[collaborationAnalysisTemplates](#)

The retrieved list of analysis templates within a collaboration.

Type: Array of [CollaborationAnalysisTemplate](#) objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

[errors](#)

Error reasons for collaboration analysis templates that could not be retrieved. One error is returned for every collaboration analysis template that could not be retrieved.

Type: Array of [BatchGetCollaborationAnalysisTemplateError](#) objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

BatchGetSchema

Retrieves multiple schemas by their identifiers.

Request Syntax

```
POST /collaborations/collaborationIdentifier/batch-schema HTTP/1.1
Content-type: application/json

{
  "namesstring" ]
}
```

URI Request Parameters

The request uses the following URI parameters.

collaborationIdentifier

A unique identifier for the collaboration that the schemas belong to. Currently accepts collaboration ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

names

The names for the schema objects to retrieve.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 25 items.

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_]+ -)*([a-zA-Z0-9_]+))?

Required: Yes

Response Syntax

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

{
  "errorscodemessagenameschemasanalysisMethodanalysisRuleTypescollaborationArncollaborationIdcolumnsnametypecreateTimecreatorAccountIddescriptionnamepartitionKeysnametypeschemaStatusDetails
```

```
  "analysisRuleType": "string",
  "configurations": [ "string" ],
  "reasons": [
    {
      "code": "string",
      "message": "string"
    }
  ],
  "status": "string"
}
],
"type": "string",
"updateTime": 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.

errors

Error reasons for schemas that could not be retrieved. One error is returned for every schema that could not be retrieved.

Type: Array of [BatchGetSchemaError](#) objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

schemas

The retrieved list of schemas.

Type: Array of [Schema](#) objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

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

BatchGetSchemaAnalysisRule

Retrieves multiple analysis rule schemas.

Request Syntax

```
POST /collaborations/collaborationIdentifier/batch-schema-analysis-rule HTTP/1.1
Content-type: application/json

{
  "schemaAnalysisRuleRequestsstring",
      "type": "string"
    }
  ]
}
```

URI Request Parameters

The request uses the following URI parameters.

collaborationIdentifier

The unique identifier of the collaboration that contains the schema analysis rule.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

schemaAnalysisRuleRequests

The information that's necessary to retrieve a schema analysis rule.

Type: Array of SchemaAnalysisRuleRequest objects

Array Members: Minimum number of 1 item. Maximum number of 25 items.

Required: Yes

Response Syntax

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

{
  "analysisRules": [
    {
      "collaborationId": "string",
      "createTime": number,
      "name": "string",
      "policy": { ... },
      "type": "string",
      "updateTime": number
    }
  ],
  "errors": [
    {
      "code": "string",
      "message": "string",
      "name": "string",
      "type": "string"
    }
  ]
}
```

Response Elements

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

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

analysisRules

The retrieved list of analysis rules.

Type: Array of [AnalysisRule](#) objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

errors

Error reasons for schemas that could not be retrieved. One error is returned for every schema that could not be retrieved.

Type: Array of [BatchGetSchemaAnalysisRuleError](#) objects

Array Members: Minimum number of 0 items. Maximum number of 25 items.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateAnalysisTemplate

Creates a new analysis template.

Request Syntax

```
POST /memberships/membershipIdentifier/analysistemplates HTTP/1.1
Content-type: application/json
```

```
{
  "analysisParameters": [
    {
      "defaultValue": "string",
      "name": "string",
      "type": "string"
    }
  ],
  "description": "string",
  "format": "string",
  "name": "string",
  "source": { ... },
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

[membershipIdentifier](#)

The identifier for a membership resource.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

analysisParameters

The parameters of the analysis template.

Type: Array of [AnalysisParameter](#) objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

description

The description of the analysis template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t\r\n]*

Required: No

format

The format of the analysis template.

Type: String

Valid Values: SQL

Required: Yes

name

The name of the analysis template.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

Required: Yes

source

The information in the analysis template. Currently supports text, the query text for the analysis template.

Type: [AnalysisSource object](#)

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

tags

An optional label that you can assign to a resource when you create it. Each tag consists of a key and an optional value, both of which you define. When you use tagging, you can also use tag-based access control in IAM policies to control access to this resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Syntax

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

{
  "analysisTemplate": {
    "analysisParameters": [
      {
        "defaultValue": "string",
        "name": "string",
        "type": "string"
      }
    ],
  }
}
```

```
"arn": "string",
"collaborationArn": "string",
"collaborationId": "string",
"createTime": number,
"description": "string",
"format": "string",
"id": "string",
"membershipArn": "string",
"membershipId": "string",
"name": "string",
"schema": {
    "referencedTables": [ "string" ]
},
"source": { ... },
"updateTime": 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.

[analysisTemplate](#)

The analysis template.

Type: [AnalysisTemplate](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request denied because service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)

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

CreateCollaboration

Creates a new collaboration.

Request Syntax

```
POST /collaborations HTTP/1.1
Content-type: application/json

{
  "creatorDisplayName": "string",
  "creatorMemberAbilities": [ "string" ],
  "creatorPaymentConfiguration": {
    "queryCompute": {
      "isResponsible": boolean
    }
  },
  "dataEncryptionMetadata": {
    "allowCleartext": boolean,
    "allowDuplicates": boolean,
    "allowJoinsOnColumnsWithDifferentNames": boolean,
    "preserveNulls": boolean
  },
  "description": "string",
  "members": [
    {
      "accountId": "string",
      "displayName": "string",
      "memberAbilities": [ "string" ],
      "paymentConfiguration": {
        "queryCompute": {
          "isResponsible": boolean
        }
      }
    }
  ],
  "name": "string",
  "queryLogStatus": "string",
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

creatorDisplayName

The display name of the collaboration creator.

Type: String

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

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

creatorMemberAbilities

The abilities granted to the collaboration creator.

Type: Array of strings

Valid Values: CAN_QUERY | CAN_RECEIVE_RESULTS

Required: Yes

creatorPaymentConfiguration

The collaboration creator's payment responsibilities set by the collaboration creator.

If the collaboration creator hasn't specified anyone as the member paying for query compute costs, then the member who can query is the default payer.

Type: [PaymentConfiguration](#) object

Required: No

dataEncryptionMetadata

The settings for client-side encryption with Cryptographic Computing for Clean Rooms.

Type: [DataEncryptionMetadata](#) object

Required: No

[description](#)

A description of the collaboration provided by the collaboration owner.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t\r\n]*

Required: Yes

[members](#)

A list of initial members, not including the creator. This list is immutable.

Type: Array of [MemberSpecification](#) objects

Array Members: Minimum number of 0 items. Maximum number of 9 items.

Required: Yes

[name](#)

The display name for a collaboration.

Type: String

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

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

[queryLogStatus](#)

An indicator as to whether query logging has been enabled or disabled for the collaboration.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

tags

An optional label that you can assign to a resource when you create it. Each tag consists of a key and an optional value, both of which you define. When you use tagging, you can also use tag-based access control in IAM policies to control access to this resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Syntax

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

{
  "collaborationarncreateTimecreatorAccountIdcreatorDisplayNamedataEncryptionMetadataallowCleartextallowDuplicatesallowJoinsOnColumnsWithDifferentNamespreserveNullsdescriptionidmembershipArnmembershipIdmemberStatusnamequeryLogStatusupdateTime
```

{}

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.

collaboration

The entire created collaboration object.

Type: [Collaboration](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ServiceQuotaExceededException

Request denied because service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateConfiguredAudienceModelAssociation

Provides the details necessary to create a configured audience model association.

Request Syntax

```
POST /memberships/membershipIdentifier/configuredaudiencemodelassociations HTTP/1.1
Content-type: application/json

{
  "configuredAudienceModelArn": "string",
  "configuredAudienceModelAssociationName": "string",
  "description": "string",
  "manageResourcePolicies": boolean,
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

[membershipIdentifier](#)

A unique identifier for one of your memberships for a collaboration. The configured audience model is associated to the collaboration that this membership belongs to. Accepts a membership ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

[configuredAudienceModelArn](#)

A unique identifier for the configured audience model that you want to associate.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws[-a-z]*:cleanrooms-ml:[-a-zA-Z0-9]+:[0-9]{12}:configured-audience-model/[-a-zA-Z0-9_.]+`

Required: Yes

[configuredAudienceModelAssociationName](#)

The name of the configured audience model association.

Type: String

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

Pattern: `(?!\\s*$)[\\u0020-\\uD7FF\\uE000-\\uFFFD\\uD800\\uDBFF-\\uDC00\\uDFFF\\t]*`

Required: Yes

[description](#)

A description of the configured audience model association.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: `[\\u0020-\\uD7FF\\uE000-\\uFFFD\\uD800\\uDBFF-\\uDC00\\uDFFF\\t\\r\\n]*`

Required: No

[manageResourcePolicies](#)

When TRUE, indicates that the resource policy for the configured audience model resource being associated is configured for AWS Clean Rooms to manage permissions related to the given collaboration. When FALSE, indicates that the configured audience model resource owner will manage permissions related to the given collaboration.

Setting this to TRUE requires you to have permissions to create, update, and delete the resource policy for the `cleanrooms-ml` resource when you call the [DeleteConfiguredAudienceModelAssociation](#) resource. In addition, if you are the collaboration

creator and specify TRUE, you must have the same permissions when you call the [DeleteMember](#) and [DeleteCollaboration](#) APIs.

Type: Boolean

Required: Yes

tags

An optional label that you can assign to a resource when you create it. Each tag consists of a key and an optional value, both of which you define. When you use tagging, you can also use tag-based access control in IAM policies to control access to this resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Syntax

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

{
  "configuredAudienceModelAssociation": {
    "arncollaborationArn": "string",
    "collaborationId": "string",
    "configuredAudienceModelArn": "string",
    "createTime": number,
    "description": "string",
    "id": "string",
    "manageResourcePolicies": boolean,
    "membershipArn": "string",
    "membershipId": "string",
    "name": "string",
    "updateTime": 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.

[configuredAudienceModelAssociation](#)

Information about the configured audience model association.

Type: [ConfiguredAudienceModelAssociation](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request denied because service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateConfiguredTable

Creates a new configured table resource.

Request Syntax

```
POST /configuredTables HTTP/1.1
Content-type: application/json

{
  "allowedColumns": [ "string" ],
  "analysisMethod": "string",
  "description": "string",
  "name": "string",
  "tableReference": { ... },
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

allowedColumns

The columns of the underlying table that can be used by collaborations or analysis rules.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 225 items.

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

Pattern: [a-zA-Z0-9_]+([a-zA-Z0-9_-]+)*([a-zA-Z0-9_-]+)?

Required: Yes

analysisMethod

The analysis method for the configured tables. The only valid value is currently `DIRECT_QUERY`.

Type: String

Valid Values: DIRECT_QUERY

Required: Yes

description

A description for the configured table.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t\r\n]*

Required: No

name

The name of the configured table.

Type: String

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

Pattern: (?!s*\$)[\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

tableReference

A reference to the AWS Glue table being configured.

Type: [TableReference object](#)

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

[tags](#)

An optional label that you can assign to a resource when you create it. Each tag consists of a key and an optional value, both of which you define. When you use tagging, you can also use tag-based access control in IAM policies to control access to this resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Syntax

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

{
  "configuredTable": {
    "allowedColumns": [ "string" ],
    "analysisMethod": "string",
    "analysisRuleTypes": [ "string" ],
    "arn": "string",
    "createTime": number,
    "description": "string",
    "id": "string",
    "name": "string",
    "tableReference": { ... },
    "updateTime": 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.

[configuredTable](#)

The created configured table.

Type: [ConfiguredTable](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request denied because service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateConfiguredTableAnalysisRule

Creates a new analysis rule for a configured table. Currently, only one analysis rule can be created for a given configured table.

Request Syntax

```
POST /configuredTables/configuredTableIdentifier/analysisRule HTTP/1.1
Content-type: application/json

{
  "analysisRulePolicy": { ... },
  "analysisRuleType": "string"
}
```

URI Request Parameters

The request uses the following URI parameters.

[configuredTableIdentifier](#)

The identifier for the configured table to create the analysis rule for. Currently accepts the configured table ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

[analysisRulePolicy](#)

The entire created configured table analysis rule object.

Type: [ConfiguredTableAnalysisRulePolicy](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

[analysisRuleType](#)

The type of analysis rule.

Type: String

Valid Values: AGGREGATION | LIST | CUSTOM

Required: Yes

Response Syntax

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

{
  "analysisRule": {
    "configuredTableArn": "string",
    "configuredTableId": "string",
    "createTime": number,
    "policy": { ... },
    "type": "string",
    "updateTime": 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.

[analysisRule](#)

The entire created analysis rule.

Type: [ConfiguredTableAnalysisRule](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateConfiguredTableAssociation

Creates a configured table association. A configured table association links a configured table with a collaboration.

Request Syntax

```
POST /memberships/membershipIdentifier/configuredTableAssociations HTTP/1.1
Content-type: application/json

{
  "configuredTableIdentifier": "string",
  "description": "string",
  "name": "string",
  "roleArn": "string",
  "tags": {
    "string": "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

membershipIdentifier

A unique identifier for one of your memberships for a collaboration. The configured table is associated to the collaboration that this membership belongs to. Currently accepts a membership ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

[configuredTableIdentifier](#)

A unique identifier for the configured table to be associated to. Currently accepts a configured table ID.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[description](#)

A description for the configured table association.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t\r\n]*

Required: No

[name](#)

The name of the configured table association. This name is used to query the underlying configured table.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_]+-)*([a-zA-Z0-9_]+))?

Required: Yes

[roleArn](#)

The service will assume this role to access catalog metadata and query the table.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 512.

Pattern: arn:aws:iam::[\w]+:role/[\w+=./@-]+

Required: Yes

tags

An optional label that you can assign to a resource when you create it. Each tag consists of a key and an optional value, both of which you define. When you use tagging, you can also use tag-based access control in IAM policies to control access to this resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Syntax

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

{
  "configuredTableAssociation": {
    "arn": "string",
    "configuredTableArn": "string",
    "configuredTableId": "string",
    "createTime": number,
    "description": "string",
    "id": "string",
    "membershipArn": "string",
    "membershipId": "string",
    "name": "string",
    "roleArn": "string",
    "updateTime": 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.

[configuredTableAssociation](#)

The entire configured table association object.

Type: [ConfiguredTableAssociation](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request denied because service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreateMembership

Creates a membership for a specific collaboration identifier and joins the collaboration.

Request Syntax

```
POST /memberships HTTP/1.1
Content-type: application/json

{
  "collaborationIdentifier": "string",
  "defaultResultConfiguration": {
    "outputConfiguration": { ... },
    "roleArn": "string"
  },
  "paymentConfiguration": {
    "queryCompute": {
      "isResponsible": boolean
    }
  },
  "queryLogStatus": "string",
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request does not use any URI parameters.

Request Body

The request accepts the following data in JSON format.

collaborationIdentifier

The unique ID for the associated collaboration.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[defaultResultConfiguration](#)

The default protected query result configuration as specified by the member who can receive results.

Type: [MembershipProtectedQueryResultConfiguration](#) object

Required: No

[paymentConfiguration](#)

The payment responsibilities accepted by the collaboration member.

Not required if the collaboration member has the member ability to run queries.

Required if the collaboration member doesn't have the member ability to run queries but is configured as a payer by the collaboration creator.

Type: [MembershipPaymentConfiguration](#) object

Required: No

[queryLogStatus](#)

An indicator as to whether query logging has been enabled or disabled for the membership.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

[tags](#)

An optional label that you can assign to a resource when you create it. Each tag consists of a key and an optional value, both of which you define. When you use tagging, you can also use tag-based access control in IAM policies to control access to this resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Syntax

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

{
  "membership": {
    "arn": "string",
    "collaborationArn": "string",
    "collaborationCreatorAccountId": "string",
    "collaborationCreatorDisplayName": "string",
    "collaborationId": "string",
    "collaborationName": "string",
    "createTime": number,
    "defaultResultConfiguration": {
      "outputConfiguration": { ... },
      "roleArn": "string"
    },
    "id": "string",
    "memberAbilities": [ "string" ],
    "paymentConfiguration": {
      "queryCompute": {
        "isResponsible": boolean
      }
    },
    "queryLogStatus": "string",
    "status": "string",
    "updateTime": 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.

[membership](#)

The membership that was created.

Type: [Membership](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request denied because service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

CreatePrivacyBudgetTemplate

Creates a privacy budget template for a specified membership. Each membership can have only one privacy budget template, but it can be deleted and recreated. If you need to change the privacy budget template for a membership, use the [UpdatePrivacyBudgetTemplate](#) operation.

Request Syntax

```
POST /memberships/membershipIdentifier/privacybudgettemplates HTTP/1.1
Content-type: application/json

{
  "autoRefresh": "string",
  "parameters": { ... },
  "privacyBudgetType": "string",
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

[membershipIdentifier](#)

A unique identifier for one of your memberships for a collaboration. The privacy budget template is created in the collaboration that this membership belongs to. Accepts a membership ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

[autoRefresh](#)

How often the privacy budget refreshes.

⚠ Important

If you plan to regularly bring new data into the collaboration, you can use CALENDAR_MONTH to automatically get a new privacy budget for the collaboration every calendar month. Choosing this option allows arbitrary amounts of information to be revealed about rows of the data when repeatedly queried across refreshes. Avoid choosing this if the same rows will be repeatedly queried between privacy budget refreshes.

Type: String

Valid Values: CALENDAR_MONTH | NONE

Required: Yes

[parameters](#)

Specifies your parameters for the privacy budget template.

Type: [PrivacyBudgetTemplateParametersInput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

[privacyBudgetType](#)

Specifies the type of the privacy budget template.

Type: String

Valid Values: DIFFERENTIAL_PRIVACY

Required: Yes

[tags](#)

An optional label that you can assign to a resource when you create it. Each tag consists of a key and an optional value, both of which you define. When you use tagging, you can also use tag-based access control in IAM policies to control access to this resource.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: No

Response Syntax

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

```
{
  "privacyBudgetTemplate": {
    "arn": "string",
    "autoRefresh": "string",
    "collaborationArn": "string",
    "collaborationId": "string",
    "createTime": number,
    "id": "string",
    "membershipArn": "string",
    "membershipId": "string",
    "parameters": { ... },
    "privacyBudgetType": "string",
    "updateTime": 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.

[privacyBudgetTemplate](#)

A summary of the elements in the privacy budget template.

Type: [PrivacyBudgetTemplate](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteAnalysisTemplate

Deletes an analysis template.

Request Syntax

```
DELETE /memberships/membershipIdentifier/analysistemplates/analysisTemplateIdentifier
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[analysisTemplateIdentifier](#)

The identifier for the analysis template resource.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[membershipIdentifier](#)

The identifier for a membership resource.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteCollaboration

Deletes a collaboration. It can only be called by the collaboration owner.

Request Syntax

```
DELETE /collaborations/collaborationIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[collaborationIdentifier](#)

The identifier for the collaboration.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteConfiguredAudienceModelAssociation

Provides the information necessary to delete a configured audience model association.

Request Syntax

```
DELETE /memberships/membershipIdentifier/  
configuredaudiencemodeleassociations/configuredAudienceModelAssociationIdentifier  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[configuredAudienceModelAssociationIdentifier](#)

A unique identifier of the configured audience model association that you want to delete.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[membershipIdentifier](#)

A unique identifier of the membership that contains the audience model association that you want to delete.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteConfiguredTable

Deletes a configured table.

Request Syntax

```
DELETE /configuredTables/configuredTableIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[configuredTableIdentifier](#)

The unique ID for the configured table to delete.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteConfiguredTableAnalysisRule

Deletes a configured table analysis rule.

Request Syntax

```
DELETE /configuredTables/configuredTableIdentifier/analysisRule/analysisRuleType
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

analysisRuleType

The analysis rule type to be deleted. Configured table analysis rules are uniquely identified by their configured table identifier and analysis rule type.

Valid Values: AGGREGATION | LIST | CUSTOM

Required: Yes

configuredTableIdentifier

The unique identifier for the configured table that the analysis rule applies to. Currently accepts the configured table ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteConfiguredTableAssociation

Deletes a configured table association.

Request Syntax

```
DELETE /memberships/membershipIdentifier/  
configuredTableAssociations/configuredTableAssociationIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[configuredTableAssociationIdentifier](#)

The unique ID for the configured table association to be deleted. Currently accepts the configured table ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[membershipIdentifier](#)

A unique identifier for the membership that the configured table association belongs to. Currently accepts the membership ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteMember

Removes the specified member from a collaboration. The removed member is placed in the Removed status and can't interact with the collaboration. The removed member's data is inaccessible to active members of the collaboration.

Request Syntax

```
DELETE /collaborations/collaborationIdentifier/member/accountId HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

accountId

The account ID of the member to remove.

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

collaborationIdentifier

The unique identifier for the associated collaboration.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeleteMembership

Deletes a specified membership. All resources under a membership must be deleted.

Request Syntax

```
DELETE /memberships/membershipIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[membershipIdentifier](#)

The identifier for a membership resource.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

DeletePrivacyBudgetTemplate

Deletes a privacy budget template for a specified membership.

Request Syntax

```
DELETE /memberships/membershipIdentifier/  
privacybudgettemplates/privacyBudgetTemplateIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[membershipIdentifier](#)

A unique identifier for one of your memberships for a collaboration. The privacy budget template is deleted from the collaboration that this membership belongs to. Accepts a membership ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[privacyBudgetTemplateIdentifier](#)

A unique identifier for your privacy budget template.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 204
```

Response Elements

If the action is successful, the service sends back an HTTP 204 response with an empty HTTP body.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetAnalysisTemplate

Retrieves an analysis template.

Request Syntax

```
GET /memberships/membershipIdentifier/analysistemplates/analysisTemplateIdentifier
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[analysisTemplateIdentifier](#)

The identifier for the analysis template resource.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[membershipIdentifier](#)

The identifier for a membership resource.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{  
    "analysisTemplate": {  
        "analysisParameters": [  
            {  
                "defaultValue": "string",  
                "name": "string",  
                "type": "string"  
            }  
        ],  
        "arn": "string",  
        "collaborationArn": "string",  
        "collaborationId": "string",  
        "createTime": number,  
        "description": "string",  
        "format": "string",  
        "id": "string",  
        "membershipArn": "string",  
        "membershipId": "string",  
        "name": "string",  
        "schema": {  
            "referencedTables": [ "string" ]  
        },  
        "source": { ... },  
        "updateTime": 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.

[analysisTemplate](#)

The analysis template.

Type: [AnalysisTemplate](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

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

GetCollaboration

Returns metadata about a collaboration.

Request Syntax

```
GET /collaborations/collaborationIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

collaborationIdentifier

The identifier for the collaboration.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "collaborationarncreateTimecreatorAccountIdcreatorDisplayNamedataEncryptionMetadataallowCleartextallowDuplicatesallowJoinsOnColumnsWithDifferentNames
```

```
  "preserveNulls": boolean  
},  
"description": "string",  
"id": "string",  
"membershipArn": "string",  
"membershipId": "string",  
"memberStatus": "string",  
"name": "string",  
"queryLogStatus": "string",  
"updateTime": 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.

[collaboration](#)

The entire collaboration for this identifier.

Type: [Collaboration](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetCollaborationAnalysisTemplate

Retrieves an analysis template within a collaboration.

Request Syntax

```
GET /collaborations/collaborationIdentifier/analysistemplates/analysisTemplateArn
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

analysisTemplateArn

The Amazon Resource Name (ARN) associated with the analysis template within a collaboration.

Length Constraints: Minimum length of 0. Maximum length of 200.

Pattern: arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+/analysistemplate/[\d\w-]+

Required: Yes

collaborationIdentifier

A unique identifier for the collaboration that the analysis templates belong to. Currently accepts collaboration ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "collaborationAnalysisTemplate": {
    "analysisParameters": [
      {
        "defaultValue": "string",
        "name": "string",
        "type": "string"
      }
    ],
    "arn": "string",
    "collaborationArn": "string",
    "collaborationId": "string",
    "createTime": number,
    "creatorAccountId": "string",
    "description": "string",
    "format": "string",
    "id": "string",
    "name": "string",
    "schema": {
      "referencedTables": [ "string" ]
    },
    "source": { ... },
    "updateTime": 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.

[collaborationAnalysisTemplate](#)

The analysis template within a collaboration.

Type: [CollaborationAnalysisTemplate](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

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

GetCollaborationConfiguredAudienceModelAssociation

Retrieves a configured audience model association within a collaboration.

Request Syntax

```
GET /collaborations/collaborationIdentifier/  
configuredaudiencemodeleassociations/configuredAudienceModelAssociationIdentifier  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[collaborationIdentifier](#)

A unique identifier for the collaboration that the configured audience model association belongs to. Accepts a collaboration ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[configuredAudienceModelAssociationIdentifier](#)

A unique identifier for the configured audience model association that you want to retrieve.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "collaborationConfiguredAudienceModelAssociation": {
    "arn": "string",
    "collaborationArn": "string",
    "collaborationId": "string",
    "configuredAudienceModelArn": "string",
    "createTime": number,
    "creatorAccountId": "string",
    "description": "string",
    "id": "string",
    "name": "string",
    "updateTime": 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.

[collaborationConfiguredAudienceModelAssociation](#)

The metadata of the configured audience model association.

Type: [CollaborationConfiguredAudienceModelAssociation](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetCollaborationPrivacyBudgetTemplate

Returns details about a specified privacy budget template.

Request Syntax

```
GET /collaborations/collaborationIdentifier/  
privacybudgettemplates/privacyBudgetTemplateIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[collaborationIdentifier](#)

A unique identifier for one of your collaborations.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[privacyBudgetTemplateIdentifier](#)

A unique identifier for one of your privacy budget templates.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{  
  "collaborationPrivacyBudgetTemplate": {  
    "arn": "string",  
    "autoRefresh": "string",  
    "collaborationArn": "string",  
    "collaborationId": "string",  
    "createTime": number,  
    "creatorAccountId": "string",  
    "id": "string",  
    "parameters": { ... },  
    "privacyBudgetType": "string",  
    "updateTime": 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.

[collaborationPrivacyBudgetTemplate](#)

Returns the details of the privacy budget template that you requested.

Type: [CollaborationPrivacyBudgetTemplate](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetConfiguredAudienceModelAssociation

Returns information about a configured audience model association.

Request Syntax

```
GET /memberships/membershipIdentifier/  
configuredaudiencemodeleassociations/configuredAudienceModelAssociationIdentifier  
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[configuredAudienceModelAssociationIdentifier](#)

A unique identifier for the configured audience model association that you want to retrieve.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[membershipIdentifier](#)

A unique identifier for the membership that contains the configured audience model association that you want to retrieve.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "configuredAudienceModelAssociation": {
    "arn": "string",
    "collaborationArn": "string",
    "collaborationId": "string",
    "configuredAudienceModelArn": "string",
    "createTime": number,
    "description": "string",
    "id": "string",
    "manageResourcePolicies": boolean,
    "membershipArn": "string",
    "membershipId": "string",
    "name": "string",
    "updateTime": 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.

[configuredAudienceModelAssociation](#)

Information about the configured audience model association that you requested.

Type: [ConfiguredAudienceModelAssociation](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetConfiguredTable

Retrieves a configured table.

Request Syntax

```
GET /configuredTables/configuredTableIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[configuredTableIdentifier](#)

The unique ID for the configured table to retrieve.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "configuredTableallowedColumnsanalysisMethodanalysisRuleTypesarncreateTimedescriptionid
```

```
"name": "string",
"tableReference": { ... },
"updateTime": 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.

[configuredTable](#)

The retrieved configured table.

Type: [ConfiguredTable](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetConfiguredTableAnalysisRule

Retrieves a configured table analysis rule.

Request Syntax

```
GET /configuredTables/configuredTableIdentifier/analysisRule/analysisRuleType HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

analysisRuleType

The analysis rule to be retrieved. Configured table analysis rules are uniquely identified by their configured table identifier and analysis rule type.

Valid Values: AGGREGATION | LIST | CUSTOM

Required: Yes

configuredTableIdentifier

The unique identifier for the configured table to retrieve. Currently accepts the configured table ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{  
  "analysisRule": {  
    "configuredTableArn": "string",  
    "configuredTableId": "string",  
    "createTime": number,  
    "policy": { ... },  
    "type": "string",  
    "updateTime": 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.

[analysisRule](#)

The entire analysis rule output.

Type: [ConfiguredTableAnalysisRule](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetConfiguredTableAssociation

Retrieves a configured table association.

Request Syntax

```
GET /memberships/membershipIdentifier/  
configuredTableAssociations/configuredTableAssociationIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[configuredTableAssociationIdentifier](#)

The unique ID for the configured table association to retrieve. Currently accepts the configured table ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[membershipIdentifier](#)

A unique identifier for the membership that the configured table association belongs to. Currently accepts the membership ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "configuredTableAssociation": {
    "arn": "string",
    "configuredTableArn": "string",
    "configuredTableId": "string",
    "createTime": number,
    "description": "string",
    "id": "string",
    "membershipArn": "string",
    "membershipId": "string",
    "name": "string",
    "roleArn": "string",
    "updateTime": 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.

[configuredTableAssociation](#)

The entire configured table association object.

Type: [ConfiguredTableAssociation](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetMembership

Retrieves a specified membership for an identifier.

Request Syntax

```
GET /memberships/membershipIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[membershipIdentifier](#)

The identifier for a membership resource.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "membership": {
    "arncollaborationArn": "string",
    "collaborationCreatorAccountId": "string",
    "collaborationCreatorDisplayName": "string",
    "collaborationId": "string",
    "collaborationName": "string",
    "createTime": number,
    "defaultResultConfiguration": {
```

```
    "outputConfiguration": { ... },
    "roleArn": "string"
},
"id": "string",
"memberAbilities": [ "string" ],
"paymentConfiguration": {
    "queryCompute": {
        "isResponsible": boolean
    }
},
"queryLogStatus": "string",
"status": "string",
"updateTime": 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.

[membership](#)

The membership retrieved for the provided identifier.

Type: [Membership](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetPrivacyBudgetTemplate

Returns details for a specified privacy budget template.

Request Syntax

```
GET /memberships/membershipIdentifier/privacybudgettemplates/privacyBudgetTemplateIdentifier HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[membershipIdentifier](#)

A unique identifier for one of your memberships for a collaboration. The privacy budget template is retrieved from the collaboration that this membership belongs to. Accepts a membership ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[privacyBudgetTemplateIdentifier](#)

A unique identifier for your privacy budget template.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{  
  "privacyBudgetTemplate": {  
    "arn": "string",  
    "autoRefresh": "string",  
    "collaborationArn": "string",  
    "collaborationId": "string",  
    "createTime": number,  
    "id": "string",  
    "membershipArn": "string",  
    "membershipId": "string",  
    "parameters": { ... },  
    "privacyBudgetType": "string",  
    "updateTime": 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.

[privacyBudgetTemplate](#)

Returns the details of the privacy budget template that you requested.

Type: [PrivacyBudgetTemplate](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetProtectedQuery

Returns query processing metadata.

Request Syntax

```
GET /memberships/membershipIdentifier/protectedQueries/protectedQueryIdentifier
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[membershipIdentifier](#)

The identifier for a membership in a protected query instance.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[protectedQueryIdentifier](#)

The identifier for a protected query instance.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
```

```
"protectedQuery": {  
    "createTime": number,  
    "differentialPrivacy": {  
        "sensitivityParameters": [  
            {  
                "aggregationExpression": "string",  
                "aggregationType": "string",  
                "maxColumnValue": number,  
                "minColumnValue": number,  
                "userContributionLimit": number  
            }  
        ]  
    },  
    "error": {  
        "code": "string",  
        "message": "string"  
    },  
    "id": "string",  
    "membershipArn": "string",  
    "membershipId": "string",  
    "result": {  
        "output": { ... }  
    },  
    "resultConfiguration": {  
        "outputConfiguration": { ... }  
    },  
    "sqlParameters": {  
        "analysisTemplateArn": "string",  
        "parameters": {  
            "string" : "string"  
        },  
        "queryString": "string"  
    },  
    "statistics": {  
        "totalDurationInMillis": number  
    },  
    "status": "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.

[protectedQuery](#)

The query processing metadata.

Type: [ProtectedQuery](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetSchema

Retrieves the schema for a relation within a collaboration.

Request Syntax

```
GET /collaborations/collaborationIdentifier/schemas/name HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

[collaborationIdentifier](#)

A unique identifier for the collaboration that the schema belongs to. Currently accepts a collaboration ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[name](#)

The name of the relation to retrieve the schema for.

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_]+-)*([a-zA-Z0-9_]+))?

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

```
{  
  "schema": {  
    "analysisMethod": "string",  
    "analysisRuleTypes": [ "string" ],  
    "collaborationArn": "string",  
    "collaborationId": "string",  
    "columns": [  
      {  
        "name": "string",  
        "type": "string"  
      }  
    ],  
    "createTime": number,  
    "creatorAccountId": "string",  
    "description": "string",  
    "name": "string",  
    "partitionKeys": [  
      {  
        "name": "string",  
        "type": "string"  
      }  
    ],  
    "schemaStatusDetails": [  
      {  
        "analysisRuleType": "string",  
        "configurations": [ "string" ],  
        "reasons": [  
          {  
            "code": "string",  
            "message": "string"  
          }  
        ],  
        "status": "string"  
      }  
    ],  
    "type": "string",  
    "updateTime": 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.

schema

The entire schema object.

Type: [Schema](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

GetSchemaAnalysisRule

Retrieves a schema analysis rule.

Request Syntax

```
GET /collaborations/collaborationIdentifier/schemas/name/analysisRule/type HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

collaborationIdentifier

A unique identifier for the collaboration that the schema belongs to. Currently accepts a collaboration ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

name

The name of the schema to retrieve the analysis rule for.

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_]+-)*([a-zA-Z0-9_]+))?

Required: Yes

type

The type of the schema analysis rule to retrieve. Schema analysis rules are uniquely identified by a combination of the collaboration, the schema name, and their type.

Valid Values: AGGREGATION | LIST | CUSTOM

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "analysisRule": {
    "collaborationId": "string",
    "createTime": number,
    "name": "string",
    "policy": { ... },
    "type": "string",
    "updateTime": 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.

[analysisRule](#)

A specification about how data from the configured table can be used.

Type: [AnalysisRule](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListAnalysisTemplates

Lists analysis templates that the caller owns.

Request Syntax

```
GET /memberships/membershipIdentifier/analysistemplates?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum size of the results that is returned per call.

Valid Range: Minimum value of 1. Maximum value of 100.

membershipIdentifier

The identifier for a membership resource.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "analysisTemplateSummaries": [
        {
            "arn": "string",
            "collaborationArn": "string",
            "collaborationId": "string",
            "createTime": number,
            "description": "string",
            "id": "string",
            "membershipArn": "string",
            "membershipId": "string",
            "name": "string",
            "updateTime": number
        }
    ],
    "nextToken": "string"
}
```

Response Elements

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

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

[analysisTemplateSummaries](#)

Lists analysis template metadata.

Type: Array of [AnalysisTemplateSummary](#) objects

[nextToken](#)

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

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

ListCollaborationAnalysisTemplates

Lists analysis templates within a collaboration.

Request Syntax

```
GET /collaborations/collaborationIdentifier/analysistemplates?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

collaborationIdentifier

A unique identifier for the collaboration that the analysis templates belong to. Currently accepts collaboration ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

maxResults

The maximum size of the results that is returned per call.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "collaborationAnalysisTemplateSummaries": [
        {
            "arn": "string",
            "collaborationArn": "string",
            "collaborationId": "string",
            "createTime": number,
            "creatorAccountId": "string",
            "description": "string",
            "id": "string",
            "name": "string",
            "updateTime": number
        }
    ],
    "nextToken": "string"
}
```

Response Elements

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

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

[collaborationAnalysisTemplateSummaries](#)

The metadata of the analysis template within a collaboration.

Type: Array of [CollaborationAnalysisTemplateSummary](#) objects

[nextToken](#)

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

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

ListCollaborationConfiguredAudienceModelAssociations

Lists configured audience model associations within a collaboration.

Request Syntax

```
GET /collaborations/collaborationIdentifier/configuredaudience modelassociations?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

collaborationIdentifier

A unique identifier for the collaboration that the configured audience model association belongs to. Accepts a collaboration ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

maxResults

The maximum size of the results that is returned per call.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "collaborationConfiguredAudienceModelAssociationSummaries": [
        {
            "arn": "string",
            "collaborationArn": "string",
            "collaborationId": "string",
            "createTime": number,
            "creatorAccountId": "string",
            "description": "string",
            "id": "string",
            "name": "string",
            "updateTime": number
        }
    ],
    "nextToken": "string"
}
```

Response Elements

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

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

[collaborationConfiguredAudienceModelAssociationSummaries](#)

The metadata of the configured audience model association within a collaboration.

Type: Array of [CollaborationConfiguredAudienceModelAssociationSummary](#) objects

[nextToken](#)

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

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

ListCollaborationPrivacyBudgets

Returns an array that summarizes each privacy budget in a specified collaboration. The summary includes the collaboration ARN, creation time, creating account, and privacy budget details.

Request Syntax

```
GET /collaborations/collaborationIdentifier/privacybudgets?  
maxResults=maxResults&nextToken=nextToken&privacyBudgetType=privacyBudgetType HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

collaborationIdentifier

A unique identifier for one of your collaborations.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

maxResults

The maximum size of the results that is returned per call. Service chooses a default if it has not been set. Service may return a nextToken even if the maximum results has not been met.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

privacyBudgetType

Specifies the type of the privacy budget.

Valid Values: DIFFERENTIAL_PRIVACY

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "collaborationPrivacyBudgetSummaries": [
    {
      "budgetcollaborationArn": "string",
      "collaborationId": "string",
      "createTime": number,
      "creatorAccountId": "string",
      "id": "string",
      "privacyBudgetTemplateArn": "string",
      "privacyBudgetTemplateId": "string",
      "type": "string",
      "updateTime": number
    }
  ],
  "nextToken": "string"
}
```

Response Elements

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

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

[**collaborationPrivacyBudgetSummaries**](#)

Summaries of the collaboration privacy budgets.

Type: Array of [CollaborationPrivacyBudgetSummary](#) objects

[**nextToken**](#)

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListCollaborationPrivacyBudgetTemplates

Returns an array that summarizes each privacy budget template in a specified collaboration.

Request Syntax

```
GET /collaborations/collaborationIdentifier/privacybudgettemplates?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

collaborationIdentifier

A unique identifier for one of your collaborations.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

maxResults

The maximum size of the results that is returned per call. Service chooses a default if it has not been set. Service may return a nextToken even if the maximum results has not been met.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
    "collaborationPrivacyBudgetTemplateSummaries": [
        {
            "arncollaborationArncollaborationIdcreateTimecreatorAccountIdidprivacyBudgetTypeupdateTimenextToken
```

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.

[**collaborationPrivacyBudgetTemplateSummaries**](#)

An array that summarizes the collaboration privacy budget templates. The summary includes collaboration information, creation information, the privacy budget type.

Type: Array of [CollaborationPrivacyBudgetTemplateSummary](#) objects

[**nextToken**](#)

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

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

ListCollaborations

Lists collaborations the caller owns, is active in, or has been invited to.

Request Syntax

```
GET /collaborations?maxResults=maxResults&memberStatus=memberStatus&nextToken=nextToken
HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum size of the results that is returned per call. Service chooses a default if it has not been set. Service may return a nextToken even if the maximum results has not been met.

Valid Range: Minimum value of 1. Maximum value of 100.

memberStatus

The caller's status in a collaboration.

Valid Values: INVITED | ACTIVE

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

Request Body

The request does not have a request body.

Response Syntax

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

```
{  
  "collaborationList": [  
    {  
      "arn": "string",  
      "createTime": number,  
      "creatorAccountId": "string",  
      "creatorDisplayName": "string",  
      "id": "string",  
      "membershipArn": "string",  
      "membershipId": "string",  
      "memberStatus": "string",  
      "name": "string",  
      "updateTime": number  
    }  
  ],  
  "nextToken": "string"  
}
```

Response Elements

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

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

[collaborationList](#)

The list of collaborations.

Type: Array of [CollaborationSummary](#) objects

[nextToken](#)

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListConfiguredAudienceModelAssociations

Lists information about requested configured audience model associations.

Request Syntax

```
GET /memberships/membershipIdentifier/configuredaudience modelassociations?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum size of the results that is returned per call. Service chooses a default if it has not been set. Service may return a nextToken even if the maximum results has not been met.

Valid Range: Minimum value of 1. Maximum value of 100.

membershipIdentifier

A unique identifier for a membership that contains the configured audience model associations that you want to retrieve.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "configuredAudienceModelAssociationSummaries": [
    {
      "arncollaborationArncollaborationIdconfiguredAudienceModelArncreateTimedescriptionidmembershipArnmembershipIdnameupdateTimenextToken
```

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.

[**configuredAudienceModelAssociationSummaries**](#)

Summaries of the configured audience model associations that you requested.

Type: Array of [ConfiguredAudienceModelAssociationSummary](#) objects

[**nextToken**](#)

The token value provided to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListConfiguredTableAssociations

Lists configured table associations for a membership.

Request Syntax

```
GET /memberships/membershipIdentifier/configuredTableAssociations?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum size of the results that is returned per call.

Valid Range: Minimum value of 1. Maximum value of 100.

membershipIdentifier

A unique identifier for the membership to list configured table associations for. Currently accepts the membership ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

```
Content-type: application/json

{
  "configuredTableAssociationSummaries": [
    {
      "arn": "string",
      "configuredTableId": "string",
      "createTime": number,
      "id": "string",
      "membershipArn": "string",
      "membershipId": "string",
      "name": "string",
      "updateTime": number
    }
  ],
  "nextToken": "string"
}
```

Response Elements

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

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

[configuredTableAssociationSummaries](#)

The retrieved list of configured table associations.

Type: Array of [ConfiguredTableAssociationSummary](#) objects

[nextToken](#)

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)

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

ListConfiguredTables

Lists configured tables.

Request Syntax

```
GET /configuredTables?maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum size of the results that is returned per call.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

Request Body

The request does not have a request body.

Response Syntax

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

{
  "configuredTableSummaries": [
    {
      "analysisMethodstring",
      "analysisRuleTypesstring" ],
      "arnstring",
      "createTimenumber,
      ...
    }
  ]
}
```

```
        "id": "string",
        "name": "string",
        "updateTime": number
    },
],
"nextToken": "string"
}
```

Response Elements

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

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

[configuredTableSummaries](#)

The configured tables listed by the request.

Type: Array of [ConfiguredTableSummary](#) objects

[nextToken](#)

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListMembers

Lists all members within a collaboration.

Request Syntax

```
GET /collaborations/collaborationIdentifier/members?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

collaborationIdentifier

The identifier of the collaboration in which the members are listed.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

maxResults

The maximum size of the results that is returned per call.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Content-type: application/json

```
{  
    "memberSummaries": [  
        {  
            "abilities": [ "string" ],  
            "accountId": "string",  
            "createTime": number,  
            "displayName": "string",  
            "membershipArn": "string",  
            "membershipId": "string",  
            "paymentConfiguration": {  
                "queryCompute": {  
                    "isResponsible": boolean  
                }  
            },  
            "status": "string",  
            "updateTime": number  
        }  
    ],  
    "nextToken": "string"  
}
```

Response Elements

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

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

[memberSummaries](#)

The list of members returned by the ListMembers operation.

Type: Array of [MemberSummary](#) objects

[nextToken](#)

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListMemberships

Lists all memberships resources within the caller's account.

Request Syntax

```
GET /memberships?maxResults=maxResults&nextToken=nextToken&status=status HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum size of the results that is returned per call.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

status

A filter which will return only memberships in the specified status.

Valid Values: ACTIVE | REMOVED | COLLABORATION_DELETED

Request Body

The request does not have a request body.

Response Syntax

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

{
  "membershipSummaries": [
    {
      "arn": "string",
```

```
"collaborationArn": "string",
"collaborationCreatorAccountId: "string",
"collaborationCreatorDisplayName: "string",
"collaborationId: "string",
"collaborationName: "string",
"createTime: number,
"id: "string",
"memberAbilities: [ "string" ],
"paymentConfiguration: {
    "queryCompute: {
        "isResponsible: boolean
    }
},
"status: "string",
"updateTime: number
}
],
"nextToken: "string"
}
```

Response Elements

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

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

membershipSummaries

The list of memberships returned from the ListMemberships operation.

Type: Array of [MembershipSummary](#) objects

nextToken

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListPrivacyBudgets

Returns detailed information about the privacy budgets in a specified membership.

Request Syntax

```
GET /memberships/membershipIdentifier/privacybudgets?  
maxResults=maxResults&nextToken=nextToken&privacyBudgetType=privacyBudgetType HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum size of the results that is returned per call. Service chooses a default if it has not been set. Service may return a nextToken even if the maximum results has not been met.

Valid Range: Minimum value of 1. Maximum value of 100.

membershipIdentifier

A unique identifier for one of your memberships for a collaboration. The privacy budget is retrieved from the collaboration that this membership belongs to. Accepts a membership ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

privacyBudgetType

The privacy budget type.

Valid Values: DIFFERENTIAL_PRIVACY

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextTokenstring",
  "privacyBudgetSummaries": [
    {
      "budget": { ... },
      "collaborationArn": "string",
      "collaborationId": "string",
      "createTime": number,
      "id": "string",
      "membershipArn": "string",
      "membershipId": "string",
      "privacyBudgetTemplateArn": "string",
      "privacyBudgetTemplateId": "string",
      "type": "string",
      "updateTime": 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](#)

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

privacyBudgetSummaries

An array that summarizes the privacy budgets. The summary includes collaboration information, membership information, privacy budget template information, and privacy budget details.

Type: Array of [PrivacyBudgetSummary](#) objects

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListPrivacyBudgetTemplates

Returns detailed information about the privacy budget templates in a specified membership.

Request Syntax

```
GET /memberships/membershipIdentifier/privacybudgettemplates?  
maxResults=maxResults&nextToken=nextToken HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum size of the results that is returned per call. Service chooses a default if it has not been set. Service may return a nextToken even if the maximum results has not been met.

Valid Range: Minimum value of 1. Maximum value of 100.

membershipIdentifier

A unique identifier for one of your memberships for a collaboration. The privacy budget templates are retrieved from the collaboration that this membership belongs to. Accepts a membership ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

Request Body

The request does not have a request body.

Response Syntax

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

{
    "nextTokenstring",
    "privacyBudgetTemplateSummariesarnstring",
            "collaborationArnstring",
            "collaborationIdstring",
            "createTimenumber,
            "idstring",
            "membershipArnstring",
            "membershipIdstring",
            "privacyBudgetTypestring",
            "updateTimenumber
        }
    \\\\\\\\\\]
}
```

Response Elements

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

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

[nextToken](#)

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

[privacyBudgetTemplateSummaries](#)

An array that summarizes the privacy budget templates. The summary includes collaboration information, creation information, and privacy budget type.

Type: Array of [PrivacyBudgetTemplateSummary](#) objects

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListProtectedQueries

Lists protected queries, sorted by the most recent query.

Request Syntax

```
GET /memberships/membershipIdentifier/protectedQueries?  
maxResults=maxResults&nextToken=nextToken&status=status HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

maxResults

The maximum size of the results that is returned per call. Service chooses a default if it has not been set. Service can return a nextToken even if the maximum results has not been met.

Valid Range: Minimum value of 1. Maximum value of 100.

membershipIdentifier

The identifier for the membership in the collaboration.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

status

A filter on the status of the protected query.

Valid Values: SUBMITTED | STARTED | CANCELLED | CANCELLING | FAILED | SUCCESS | TIMED_OUT

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextToken": "string",
  "protectedQueries": [
    {
      "createTime": number,
      "id": "string",
      "membershipArn": "string",
      "membershipId": "string",
      "status": "string"
    }
  ]
}
```

Response Elements

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

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

nextToken

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

protectedQueries

A list of protected queries.

Type: Array of [ProtectedQuerySummary](#) objects

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListSchemas

Lists the schemas for relations within a collaboration.

Request Syntax

```
GET /collaborations/collaborationIdentifier/schemas?  
maxResults=maxResults&nextToken=nextToken&schemaType=schemaType HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

collaborationIdentifier

A unique identifier for the collaboration that the schema belongs to. Currently accepts a collaboration ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

maxResults

The maximum size of the results that is returned per call.

Valid Range: Minimum value of 1. Maximum value of 100.

nextToken

The token value retrieved from a previous call to access the next page of results.

Length Constraints: Minimum length of 0. Maximum length of 10240.

schemaType

If present, filter schemas by schema type. The only valid schema type is currently `TABLE`.

Valid Values: TABLE

Request Body

The request does not have a request body.

Response Syntax

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

{
  "nextTokenstring",
  "schemaSummariesanalysisMethodstring",
      "analysisRuleTypesstring" ],
      "collaborationArnstring",
      "collaborationIdstring",
      "createTimenumber,
      "creatorAccountIdstring",
      "namestring",
      "typestring",
      "updateTimenumber
    }
  ]
}
```

Response Elements

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

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

[nextToken](#)

The token value retrieved from a previous call to access the next page of results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 10240.

[schemaSummaries](#)

The retrieved list of schemas.

Type: Array of [SchemaSummary](#) objects

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

ListTagsForResource

Lists all of the tags that have been added to a resource.

Request Syntax

```
GET /tags/resourceArn HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) associated with the resource you want to list tags on.

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

Pattern: `arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:[\d\w/-]+`

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

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

{
  "tags": {
    "string": "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.

tags

A map of objects specifying each key name and value.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Errors

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

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)

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

PreviewPrivacyImpact

An estimate of the number of aggregation functions that the member who can query can run given epsilon and noise parameters.

Request Syntax

```
POST /memberships/membershipIdentifier/previewprivacyimpact HTTP/1.1
Content-type: application/json

{
  "parameters": { ... }
}
```

URI Request Parameters

The request uses the following URI parameters.

[membershipIdentifier](#)

A unique identifier for one of your memberships for a collaboration. Accepts a membership ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

[parameters](#)

Specifies the desired epsilon and noise parameters to preview.

Type: [PreviewPrivacyImpactParametersInput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

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

{
  "privacyImpact
```

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.

[privacyImpact](#)

An estimate of the number of aggregation functions that the member who can query can run given the epsilon and noise parameters. This does not change the privacy budget.

Type: [PrivacyImpact](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

StartProtectedQuery

Creates a protected query that is started by AWS Clean Rooms.

Request Syntax

```
POST /memberships/membershipIdentifier/protectedQueries HTTP/1.1
Content-type: application/json
```

```
{
  "resultConfigurationoutputConfigurationsqlParametersanalysisTemplateArnparametersqueryStringtype
```

URI Request Parameters

The request uses the following URI parameters.

membershipIdentifier

A unique identifier for the membership to run this query against. Currently accepts a membership ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

resultConfiguration

The details needed to write the query results.

Type: [ProtectedQueryResultConfiguration](#) object

Required: No

sqlParameters

The protected SQL query parameters.

Type: [ProtectedQuerySQLParameters](#) object

Required: Yes

type

The type of the protected query to be started.

Type: String

Valid Values: SQL

Required: Yes

Response Syntax

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

{
  "protectedQuery": {
    "createTime": number,
    "differentialPrivacy": {
      "sensitivityParameters": [
        {
          "aggregationExpression": "string",
          "aggregationType": "string",
          "maxColumnValue": number,
          "minColumnValue": number,
          "userContributionLimit": number
        }
      ]
    },
  }
}
```

```
"error": {  
    "code    "message": "string"  
},  
"id": "string",  
"membershipArn": "string",  
"membershipId": "string",  
"result": {  
    "output": { ... }  
},  
"resultConfiguration": {  
    "outputConfiguration": { ... }  
},  
"sqlParameters": {  
    "analysisTemplateArn": "string",  
    "parameters": {  
        "string" : "string"  
    },  
    "queryString": "string"  
},  
"statistics": {  
    "totalDurationInMillis": number  
},  
"status": "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.

protectedQuery

The protected query.

Type: [ProtectedQuery](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ServiceQuotaExceededException

Request denied because service quota has been exceeded.

HTTP Status Code: 402

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

TagResource

Tags a resource.

Request Syntax

```
POST /tags/resourceArn HTTP/1.1
Content-type: application/json

{
  "tags": {
    "string" : "string"
  }
}
```

URI Request Parameters

The request uses the following URI parameters.

[resourceArn](#)

The Amazon Resource Name (ARN) associated with the resource you want to tag.

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

Pattern: arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:[\d\w/-]+

Required: Yes

Request Body

The request accepts the following data in JSON format.

[tags](#)

A map of objects specifying each key name and value.

Type: String to string map

Map Entries: Minimum number of 0 items. Maximum number of 200 items.

Key Length Constraints: Minimum length of 1. Maximum length of 128.

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

Required: Yes

Response Syntax

HTTP/1.1 200

Response Elements

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

Errors

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

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UntagResource

Removes a tag or list of tags from a resource.

Request Syntax

```
DELETE /tags/resourceArn?tagKeys=tagKeys HTTP/1.1
```

URI Request Parameters

The request uses the following URI parameters.

resourceArn

The Amazon Resource Name (ARN) associated with the resource you want to remove the tag from.

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

Pattern: arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:[\d\w/-]+

Required: Yes

tagKeys

A list of key names of tags to be removed.

Length Constraints: Minimum length of 1. Maximum length of 128.

Required: Yes

Request Body

The request does not have a request body.

Response Syntax

```
HTTP/1.1 200
```

Response Elements

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

Errors

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

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateAnalysisTemplate

Updates the analysis template metadata.

Request Syntax

```
PATCH /memberships/membershipIdentifier/analysistemplates/analysisTemplateIdentifier
HTTP/1.1
Content-type: application/json

{
    "description
```

URI Request Parameters

The request uses the following URI parameters.

analysisTemplateIdentifier

The identifier for the analysis template resource.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

membershipIdentifier

The identifier for a membership resource.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

description

A new description for the analysis template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t\r\n]*

Required: No

Response Syntax

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

{
  "analysisTemplateanalysisParametersdefaultValuenametypearncollaborationArncollaborationIdcreateTimedescriptionformatidmembershipArnmembershipIdnameschemareferencedTablessourceupdateTime
```

{}

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.

[analysisTemplate](#)

The analysis template.

Type: [AnalysisTemplate](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateCollaboration

Updates collaboration metadata and can only be called by the collaboration owner.

Request Syntax

```
PATCH /collaborations/collaborationIdentifier HTTP/1.1
Content-type: application/json

{
  "descriptionname
```

URI Request Parameters

The request uses the following URI parameters.

collaborationIdentifier

The identifier for the collaboration.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

description

A description of the collaboration.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?!\\s*\$)[\\u0020-\\uD7FF\\uE000-\\uFFFD\\uD800\\uDBFF-\\uDC00\\uDFFF\\t\\r\\n]*

Required: No

name

A human-readable identifier provided by the collaboration owner. Display names are not unique.

Type: String

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

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: No

Response Syntax

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

{
  "collaboration": {
    "arn": "string",
    "createTime": number,
    "creatorAccountId": "string",
    "creatorDisplayName": "string",
    "dataEncryptionMetadata": {
      "allowCleartext": boolean,
      "allowDuplicates": boolean,
      "allowJoinsOnColumnsWithDifferentNames": boolean,
      "preserveNulls": boolean
    },
    "description": "string",
    "id": "string",
    "membershipArn": "string",
    "membershipId": "string",
    "memberStatus": "string",
    "name": "string",
    "queryLogStatus": "string",
    "updateTime": 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.

[collaboration](#)

The entire collaboration that has been updated.

Type: [Collaboration](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateConfiguredAudienceModelAssociation

Provides the details necessary to update a configured audience model association.

Request Syntax

```
PATCH /memberships/membershipIdentifier/  
configuredaudiencemodeleassociations/configuredAudienceModelAssociationIdentifier  
HTTP/1.1  
Content-type: application/json  
  
{  
    "description    "name}
```

URI Request Parameters

The request uses the following URI parameters.

configuredAudienceModelAssociationIdentifier

A unique identifier for the configured audience model association that you want to update.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

membershipIdentifier

A unique identifier of the membership that contains the configured audience model association that you want to update.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

description

A new description for the configured audience model association.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t\r\n]*

Required: No

name

A new name for the configured audience model association.

Type: String

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

Pattern: (?!s*\$)[\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: No

Response Syntax

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

{
  "configuredAudienceModelAssociation": {
    "arn": "string",
    "collaborationArn": "string",
    "collaborationId": "string",
    "configuredAudienceModelArn": "string",
    "createTime": number,
    "description": "string",
    "id": "string",
    "manageResourcePolicies": boolean,
```

```
"membershipArn": "string",
"membershipId": "string",
"name": "string",
"updateTime": 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.

[configuredAudienceModelAssociation](#)

Details about the configured audience model association that you updated.

Type: [ConfiguredAudienceModelAssociation](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateConfiguredTable

Updates a configured table.

Request Syntax

```
PATCH /configuredTables/configuredTableIdentifier HTTP/1.1
Content-type: application/json

{
  "descriptionname
```

URI Request Parameters

The request uses the following URI parameters.

configuredTableIdentifier

The identifier for the configured table to update. Currently accepts the configured table ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

description

A new description for the configured table.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t\r\n]*

Required: No

name

A new name for the configured table.

Type: String

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

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: No

Response Syntax

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

{
  "configuredTable": {
    "allowedColumns": [ "string" ],
    "analysisMethod": "string",
    "analysisRuleTypes": [ "string" ],
    "arn": "string",
    "createTime": number,
    "description": "string",
    "id": "string",
    "name": "string",
    "tableReference": { ... },
    "updateTime": 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.

configuredTable

The updated configured table.

Type: [ConfiguredTable](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateConfiguredTableAnalysisRule

Updates a configured table analysis rule.

Request Syntax

```
PATCH /configuredTables/configuredTableIdentifier/analysisRule/analysisRuleType
HTTP/1.1
Content-type: application/json

{
  "analysisRulePolicy
```

URI Request Parameters

The request uses the following URI parameters.

analysisRuleType

The analysis rule type to be updated. Configured table analysis rules are uniquely identified by their configured table identifier and analysis rule type.

Valid Values: AGGREGATION | LIST | CUSTOM

Required: Yes

configuredTableIdentifier

The unique identifier for the configured table that the analysis rule applies to. Currently accepts the configured table ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

analysisRulePolicy

The new analysis rule policy for the configured table analysis rule.

Type: [ConfiguredTableAnalysisRulePolicy](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

Response Syntax

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

{
  "analysisRule": {
    "configuredTableArn": "string",
    "configuredTableId": "string",
    "createTime": number,
    "policy": { ... },
    "type": "string",
    "updateTime": 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.

analysisRule

The entire updated analysis rule.

Type: [ConfiguredTableAnalysisRule](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateConfiguredTableAssociation

Updates a configured table association.

Request Syntax

```
PATCH /memberships/membershipIdentifier/  
configuredTableAssociations/configuredTableAssociationIdentifier HTTP/1.1  
Content-type: application/json  
  
{  
    "description    "roleArn": "string"  
}
```

URI Request Parameters

The request uses the following URI parameters.

[configuredTableAssociationIdentifier](#)

The unique identifier for the configured table association to update. Currently accepts the configured table association ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[membershipIdentifier](#)

The unique ID for the membership that the configured table association belongs to.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

[description](#)

A new description for the configured table association.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t\r\n]*

Required: No

[roleArn](#)

The service will assume this role to access catalog metadata and query the table.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 512.

Pattern: arn:aws:iam::[\w]+:[\w+=./@-]+

Required: No

Response Syntax

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

{
  "configuredTableAssociation": {
    "arn": "string",
    "configuredTableArn": "string",
    "configuredTableId": "string",
    "createTime": number,
    "description": "string",
    "id": "string",
    "membershipArn": "string",
    "membershipId": "string",
    "name": "string",
    "roleArn": "string",
    "updateTime": 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.

[configuredTableAssociation](#)

The entire updated configured table association.

Type: [ConfiguredTableAssociation](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateMembership

Updates a membership.

Request Syntax

```
PATCH /memberships/membershipIdentifier HTTP/1.1
Content-type: application/json

{
  "defaultResultConfigurationoutputConfigurationroleArnstring"
  },
  "queryLogStatusstring"
}
```

URI Request Parameters

The request uses the following URI parameters.

membershipIdentifier

The unique identifier of the membership.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

defaultResultConfiguration

The default protected query result configuration as specified by the member who can receive results.

Type: [MembershipProtectedQueryResultConfiguration](#) object

Required: No

queryLogStatus

An indicator as to whether query logging has been enabled or disabled for the membership.

Type: String

Valid Values: ENABLED | DISABLED

Required: No

Response Syntax

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

{
  "membership": {
    "arn": "string",
    "collaborationArn": "string",
    "collaborationCreatorAccountId": "string",
    "collaborationCreatorDisplayName": "string",
    "collaborationId": "string",
    "collaborationName": "string",
    "createTime": number,
    "defaultResultConfiguration": {
      "outputConfiguration": { ... },
      "roleArn": "string"
    },
    "id": "string",
    "memberAbilities": [ "string" ],
    "paymentConfiguration": {
      "queryCompute": {
        "isResponsible": boolean
      }
    },
    "queryLogStatus": "string",
    "status": "string",
    "updateTime": 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.

[membership](#)

The membership object.

Type: [Membership](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdatePrivacyBudgetTemplate

Updates the privacy budget template for the specified membership.

Request Syntax

```
PATCH /memberships/membershipIdentifier/  
privacybudgettemplates/privacyBudgetTemplateIdentifier HTTP/1.1  
Content-type: application/json  
  
{  
    "parameters": { ... },  
    "privacyBudgetType": "string"  
}
```

URI Request Parameters

The request uses the following URI parameters.

[membershipIdentifier](#)

A unique identifier for one of your memberships for a collaboration. The privacy budget template is updated in the collaboration that this membership belongs to. Accepts a membership ID.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

[privacyBudgetTemplateIdentifier](#)

A unique identifier for your privacy budget template that you want to update.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

parameters

Specifies the epsilon and noise parameters for the privacy budget template.

Type: [PrivacyBudgetTemplateUpdateParameters](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: No

privacyBudgetType

Specifies the type of the privacy budget template.

Type: String

Valid Values: DIFFERENTIAL_PRIVACY

Required: Yes

Response Syntax

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

{
  "privacyBudgetTemplate": {
    "arn": "string",
    "autoRefresh": "string",
    "collaborationArn": "string",
    "collaborationId": "string",
    "createTime": number,
    "id": "string",
    "membershipArn": "string",
    "membershipId": "string",
    "parameters": { ... },
    "privacyBudgetType": "string",
    "updateTime": 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.

[privacyBudgetTemplate](#)

Summary of the privacy budget template.

Type: [PrivacyBudgetTemplate](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerException

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

UpdateProtectedQuery

Updates the processing of a currently running query.

Request Syntax

```
PATCH /memberships/membershipIdentifier/protectedQueries/protectedQueryIdentifier
HTTP/1.1
Content-type: application/json

{
  "targetStatus
```

URI Request Parameters

The request uses the following URI parameters.

membershipIdentifier

The identifier for a member of a protected query instance.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

protectedQueryIdentifier

The identifier for a protected query instance.

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

Request Body

The request accepts the following data in JSON format.

targetStatus

The target status of a query. Used to update the execution status of a currently running query.

Type: String

Valid Values: CANCELLED

Required: Yes

Response Syntax

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

{
  "protectedQuery": {
    "createTime": number,
    "differentialPrivacy": {
      "sensitivityParameters": [
        {
          "aggregationExpression": "string",
          "aggregationType": "string",
          "maxColumnValue": number,
          "minColumnValue": number,
          "userContributionLimit": number
        }
      ]
    },
    "error": {
      "code": "string",
      "message": "string"
    },
    "id": "string",
    "membershipArn": "string",
    "membershipId": "string",
    "result": {
      "output": { ... }
    },
    "resultConfiguration": {
      "outputConfiguration": { ... }
    },
    "sqlParameters": {
```

```
  "analysisTemplateArn": "string",
  "parameters": {
    "string" : "string"
  },
  "queryString": "string"
},
"statistics": {
  "totalDurationInMillis": number
},
"status": "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.

[protectedQuery](#)

The protected query output.

Type: [ProtectedQuery](#) object

Errors

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

AccessDeniedException

Caller does not have sufficient access to perform this action.

HTTP Status Code: 403

ConflictException

Updating or deleting a resource can cause an inconsistent state.

HTTP Status Code: 409

InternalServerError

Unexpected error during processing of request.

HTTP Status Code: 500

ResourceNotFoundException

Request references a resource which does not exist.

HTTP Status Code: 404

ThrottlingException

Request was denied due to request throttling.

HTTP Status Code: 429

ValidationException

The input fails to satisfy the specified constraints.

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 V2](#)
- [AWS SDK for JavaScript V3](#)
- [AWS SDK for PHP V3](#)
- [AWS SDK for Python](#)
- [AWS SDK for Ruby V3](#)

Data Types

The AWS Clean Rooms Service 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:

- [AggregateColumn](#)
- [AggregationConstraint](#)
- [AnalysisParameter](#)
- [AnalysisRule](#)
- [AnalysisRuleAggregation](#)
- [AnalysisRuleCustom](#)
- [AnalysisRuleList](#)
- [AnalysisRulePolicy](#)
- [AnalysisRulePolicyV1](#)
- [AnalysisSchema](#)
- [AnalysisSource](#)
- [AnalysisTemplate](#)
- [AnalysisTemplateSummary](#)
- [BatchGetCollaborationAnalysisTemplateError](#)
- [BatchGetSchemaAnalysisRuleError](#)
- [BatchGetSchemaError](#)
- [Collaboration](#)
- [CollaborationAnalysisTemplate](#)
- [CollaborationAnalysisTemplateSummary](#)
- [CollaborationConfiguredAudienceModelAssociation](#)

- [CollaborationConfiguredAudienceModelAssociationSummary](#)
- [CollaborationPrivacyBudgetSummary](#)
- [CollaborationPrivacyBudgetTemplate](#)
- [CollaborationPrivacyBudgetTemplateSummary](#)
- [CollaborationSummary](#)
- [Column](#)
- [ConfiguredAudienceModelAssociation](#)
- [ConfiguredAudienceModelAssociationSummary](#)
- [ConfiguredTable](#)
- [ConfiguredTableAnalysisRule](#)
- [ConfiguredTableAnalysisRulePolicy](#)
- [ConfiguredTableAnalysisRulePolicyV1](#)
- [ConfiguredTableAssociation](#)
- [ConfiguredTableAssociationSummary](#)
- [ConfiguredTableSummary](#)
- [DataEncryptionMetadata](#)
- [DifferentialPrivacyColumn](#)
- [DifferentialPrivacyConfiguration](#)
- [DifferentialPrivacyParameters](#)
- [DifferentialPrivacyPreviewAggregation](#)
- [DifferentialPrivacyPreviewParametersInput](#)
- [DifferentialPrivacyPrivacyBudget](#)
- [DifferentialPrivacyPrivacyBudgetAggregation](#)
- [DifferentialPrivacyPrivacyImpact](#)
- [DifferentialPrivacySensitivityParameters](#)
- [DifferentialPrivacyTemplateParametersInput](#)
- [DifferentialPrivacyTemplateParametersOutput](#)
- [DifferentialPrivacyTemplateUpdateParameters](#)
- [GlueTableReference](#)
- [Membership](#)

- [MembershipPaymentConfiguration](#)
- [MembershipProtectedQueryOutputConfiguration](#)
- [MembershipProtectedQueryResultConfiguration](#)
- [MembershipQueryComputePaymentConfig](#)
- [MembershipSummary](#)
- [MemberSpecification](#)
- [MemberSummary](#)
- [PaymentConfiguration](#)
- [PreviewPrivacyImpactParametersInput](#)
- [PrivacyBudget](#)
- [PrivacyBudgetSummary](#)
- [PrivacyBudgetTemplate](#)
- [PrivacyBudgetTemplateParametersInput](#)
- [PrivacyBudgetTemplateParametersOutput](#)
- [PrivacyBudgetTemplateSummary](#)
- [PrivacyBudgetTemplateUpdateParameters](#)
- [PrivacyImpact](#)
- [ProtectedQuery](#)
- [ProtectedQueryError](#)
- [ProtectedQueryOutput](#)
- [ProtectedQueryOutputConfiguration](#)
- [ProtectedQueryResult](#)
- [ProtectedQueryResultConfiguration](#)
- [ProtectedQueryS3Output](#)
- [ProtectedQueryS3OutputConfiguration](#)
- [ProtectedQuerySingleMemberOutput](#)
- [ProtectedQuerySQLParameters](#)
- [ProtectedQueryStatistics](#)
- [ProtectedQuerySummary](#)
- [QueryComputePaymentConfig](#)

- [Schema](#)
- [SchemaAnalysisRuleRequest](#)
- [SchemaStatusDetail](#)
- [SchemaStatusReason](#)
- [SchemaSummary](#)
- [TableReference](#)
- [ValidationExceptionField](#)

AggregateColumn

Column in configured table that can be used in aggregate function in query.

Contents

columnNames

Column names in configured table of aggregate columns.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 127.

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

Required: Yes

function

Aggregation function that can be applied to aggregate column in query.

Type: String

Valid Values: SUM | SUM_DISTINCT | COUNT | COUNT_DISTINCT | AVG

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 V2](#)
- [AWS SDK for Ruby V3](#)

AggregationConstraint

Constraint on query output removing output rows that do not meet a minimum number of distinct values of a specified column.

Contents

columnName

Column in aggregation constraint for which there must be a minimum number of distinct values in an output row for it to be in the query output.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 127.

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

Required: Yes

minimum

The minimum number of distinct values that an output row must be an aggregation of.

Minimum threshold of distinct values for a specified column that must exist in an output row for it to be in the query output.

Type: Integer

Valid Range: Minimum value of 2. Maximum value of 100000.

Required: Yes

type

The type of aggregation the constraint allows. The only valid value is currently `COUNT_DISTINCT`.

Type: String

Valid Values: COUNT_DISTINCT

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 V2](#)
- [AWS SDK for Ruby V3](#)

AnalysisParameter

Optional. The member who can query can provide this placeholder for a literal data value in an analysis template.

Contents

name

The name of the parameter. The name must use only alphanumeric, underscore (_), or hyphen (-) characters but cannot start or end with a hyphen.

Type: String

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

Pattern: [0-9a-zA-Z_]+

Required: Yes

type

The type of parameter.

Type: String

Valid Values: SMALLINT | INTEGER | BIGINT | DECIMAL | REAL | DOUBLE_PRECISION | BOOLEAN | CHAR | VARCHAR | DATE | TIMESTAMP | TSTAMPTZ | TIME | TIMETZ | VARBYTE

Required: Yes

defaultValue

Optional. The default value that is applied in the analysis template. The member who can query can override this value in the query editor.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 250.

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 V2](#)
- [AWS SDK for Ruby V3](#)

AnalysisRule

A specification about how data from the configured table can be used in a query.

Contents

collaborationId

The unique ID for the associated collaboration.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

createTime

The time the analysis rule was created.

Type: Timestamp

Required: Yes

name

The name for the analysis rule.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_]+-)*([a-zA-Z0-9_]+))?

Required: Yes

policy

A policy that describes the associated data usage limitations.

Type: [AnalysisRulePolicy](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

type

The type of analysis rule.

Type: String

Valid Values: AGGREGATION | LIST | CUSTOM

Required: Yes

updateTime

The time the analysis rule was last updated.

Type: Timestamp

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 V2](#)
- [AWS SDK for Ruby V3](#)

AnalysisRuleAggregation

A type of analysis rule that enables query structure and specified queries that produce aggregate statistics.

Contents

aggregateColumns

The columns that query runners are allowed to use in aggregation queries.

Type: Array of [AggregateColumn](#) objects

Array Members: Minimum number of 1 item.

Required: Yes

dimensionColumns

The columns that query runners are allowed to select, group by, or filter by.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 127.

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

Required: Yes

joinColumns

Columns in configured table that can be used in join statements and/or as aggregate columns. They can never be outputted directly.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 127.

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

Required: Yes

outputConstraints

Columns that must meet a specific threshold value (after an aggregation function is applied to it) for each output row to be returned.

Type: Array of [AggregationConstraint](#) objects

Array Members: Minimum number of 1 item.

Required: Yes

scalarFunctions

Set of scalar functions that are allowed to be used on dimension columns and the output of aggregation of metrics.

Type: Array of strings

Valid Values: ABS | CAST | CEILING | COALESCE | CONVERT | CURRENT_DATE | DATEADD | EXTRACT | FLOOR | GETDATE | LN | LOG | LOWER | ROUND | RTRIM | SQRT | SUBSTRING | TO_CHAR | TO_DATE | TO_NUMBER | TO_TIMESTAMP | TRIM | TRUNC | UPPER

Required: Yes

allowedJoinOperators

Which logical operators (if any) are to be used in an INNER JOIN match condition. Default is AND.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 2 items.

Valid Values: OR | AND

Required: No

joinRequired

Control that requires member who runs query to do a join with their configured table and/or other configured table in query.

Type: String

Valid Values: QUERY_RUNNER

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 V2](#)
- [AWS SDK for Ruby V3](#)

AnalysisRuleCustom

A type of analysis rule that enables the table owner to approve custom SQL queries on their configured tables. It supports differential privacy.

Contents

allowedAnalyses

The ARN of the analysis templates that are allowed by the custom analysis rule.

Type: Array of strings

Array Members: Minimum number of 0 items.

Length Constraints: Minimum length of 0. Maximum length of 200.

Pattern: (ANY_QUERY | arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+/analysistemplate/[\d\w-]+)

Required: Yes

allowedAnalysisProviders

The IDs of the AWS accounts that are allowed to query by the custom analysis rule. Required when allowedAnalyses is ANY_QUERY.

Type: Array of strings

Array Members: Minimum number of 0 items.

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: No

differentialPrivacy

The differential privacy configuration.

Type: [DifferentialPrivacyConfiguration](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AnalysisRuleList

A type of analysis rule that enables row-level analysis.

Contents

joinColumns

Columns that can be used to join a configured table with the table of the member who can query and other members' configured tables.

Type: Array of strings

Array Members: Minimum number of 1 item.

Length Constraints: Minimum length of 1. Maximum length of 127.

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

Required: Yes

listColumns

Columns that can be listed in the output.

Type: Array of strings

Length Constraints: Minimum length of 1. Maximum length of 127.

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

Required: Yes

allowedJoinOperators

The logical operators (if any) that are to be used in an INNER JOIN match condition. Default is AND.

Type: Array of strings

Array Members: Minimum number of 0 items. Maximum number of 2 items.

Valid Values: OR | AND

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 V2](#)
- [AWS SDK for Ruby V3](#)

AnalysisRulePolicy

Controls on the query specifications that can be run on configured table.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

v1

Controls on the query specifications that can be run on configured table.

Type: [AnalysisRulePolicyV1](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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 V2](#)
- [AWS SDK for Ruby V3](#)

AnalysisRulePolicyV1

Controls on the query specifications that can be run on configured table.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

aggregation

Analysis rule type that enables only aggregation queries on a configured table.

Type: [AnalysisRuleAggregation](#) object

Required: No

custom

Analysis rule type that enables custom SQL queries on a configured table.

Type: [AnalysisRuleCustom](#) object

Required: No

list

Analysis rule type that enables only list queries on a configured table.

Type: [AnalysisRuleList](#) object

Required: No

See Also

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

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

- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

AnalysisSchema

A relation within an analysis.

Contents

referencedTables

The tables referenced in the analysis schema.

Type: Array of strings

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

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 V2](#)
- [AWS SDK for Ruby V3](#)

AnalysisSource

The structure that defines the body of the analysis template.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

text

The query text.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 90000.

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 V2](#)
- [AWS SDK for Ruby V3](#)

AnalysisTemplate

The analysis template.

Contents

arn

The Amazon Resource Name (ARN) of the analysis template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 200.

Pattern: `arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+/analysistemplate/[\d\w-]+`

Required: Yes

collaborationArn

The unique ARN for the analysis template's associated collaboration.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+`

Required: Yes

collaborationId

The unique ID for the associated collaboration of the analysis template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

createTime

The time that the analysis template was created.

Type: Timestamp

Required: Yes

format

The format of the analysis template.

Type: String

Valid Values: SQL

Required: Yes

id

The identifier for the analysis template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

membershipArn

The Amazon Resource Name (ARN) of the member who created the analysis template.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+

Required: Yes

membershipId

The identifier of a member who created the analysis template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

name

The name of the analysis template.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_]+-)*([a-zA-Z0-9_]+))?

Required: Yes

schema

The entire schema object.

Type: [AnalysisSchema](#) object

Required: Yes

source

The source of the analysis template.

Type: [AnalysisSource](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

updateTime

The time that the analysis template was last updated.

Type: Timestamp

Required: Yes

analysisParameters

The parameters of the analysis template.

Type: Array of [AnalysisParameter](#) objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

description

The description of the analysis template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t\r\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 V2](#)
- [AWS SDK for Ruby V3](#)

AnalysisTemplateSummary

The metadata of the analysis template.

Contents

arn

The Amazon Resource Name (ARN) of the analysis template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 200.

Pattern: `arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+/analysistemplate/[\d\w-]+`

Required: Yes

collaborationArn

The unique ARN for the analysis template summary's associated collaboration.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+`

Required: Yes

collaborationId

A unique identifier for the collaboration that the analysis template summary belongs to.

Currently accepts collaboration ID.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

createTime

The time that the analysis template summary was created.

Type: Timestamp

Required: Yes

id

The identifier of the analysis template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

membershipArn

The Amazon Resource Name (ARN) of the member who created the analysis template.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+

Required: Yes

membershipId

The identifier for a membership resource.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

name

The name of the analysis template.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_]+-)*([a-zA-Z0-9_]+))?

Required: Yes

updateTime

The time that the analysis template summary was last updated.

Type: Timestamp

Required: Yes

description

The description of the analysis template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t\r\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 V2](#)
- [AWS SDK for Ruby V3](#)

BatchGetCollaborationAnalysisTemplateError

Details of errors thrown by the call to retrieve multiple analysis templates within a collaboration by their identifiers.

Contents

arn

The Amazon Resource Name (ARN) of the analysis template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 200.

Pattern: `arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+/analysistemplate/[\d\w-]+`

Required: Yes

code

An error code for the error.

Type: String

Required: Yes

message

A description of why the call failed.

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 V2](#)
- [AWS SDK for Ruby V3](#)

BatchGetSchemaAnalysisRuleError

An error that describes why a schema could not be fetched.

Contents

code

An error code for the error.

Type: String

Required: Yes

message

A description of why the call failed.

Type: String

Required: Yes

name

An error name for the error.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

Required: Yes

type

The analysis rule type.

Type: String

Valid Values: AGGREGATION | LIST | CUSTOM

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 V2](#)
- [AWS SDK for Ruby V3](#)

BatchGetSchemaError

An error describing why a schema could not be fetched.

Contents

code

An error code for the error.

Type: String

Required: Yes

message

An error message for the error.

Type: String

Required: Yes

name

An error name for the error.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

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 V2](#)

- [AWS SDK for Ruby V3](#)

Collaboration

The multi-party data share environment. The collaboration contains metadata about its purpose and participants.

Contents

arn

The unique ARN for the collaboration.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+

Required: Yes

createTime

The time when the collaboration was created.

Type: Timestamp

Required: Yes

creatorAccountId

The identifier used to reference members of the collaboration. Currently only supports AWS account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

creatorDisplayName

A display name of the collaboration creator.

Type: String

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

Pattern: `(?!\\s*$)[\\u0020-\\uD7FF\\uE000-\\uFFFF\\uD800\\uDBFF-\\uDC00\\uDFFF\\t]*`

Required: Yes

id

The unique ID for the collaboration.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

memberStatus

The status of a member in a collaboration.

Type: String

Valid Values: INVITED | ACTIVE | LEFT | REMOVED

Required: Yes

name

A human-readable identifier provided by the collaboration owner. Display names are not unique.

Type: String

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

Pattern: `(?!\\s*$)[\\u0020-\\uD7FF\\uE000-\\uFFFF\\uD800\\uDBFF-\\uDC00\\uDFFF\\t]*`

Required: Yes

queryLogStatus

An indicator as to whether query logging has been enabled or disabled for the collaboration.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

updateTime

The time the collaboration metadata was last updated.

Type: Timestamp

Required: Yes

dataEncryptionMetadata

The settings for client-side encryption for cryptographic computing.

Type: [DataEncryptionMetadata](#) object

Required: No

description

A description of the collaboration provided by the collaboration owner.

Type: String

Length Constraints: Minimum length of 1. Maximum length of 255.

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t\r\n]*

Required: No

membershipArn

The unique ARN for your membership within the collaboration.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+

Required: No

membershipId

The unique ID for your membership within the collaboration.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

CollaborationAnalysisTemplate

The analysis template within a collaboration.

Contents

arn

The Amazon Resource Name (ARN) of the analysis template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 200.

Pattern: `arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+/analysistemplate/[\d\w-]+`

Required: Yes

collaborationArn

The unique ARN for the analysis template's associated collaboration.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+`

Required: Yes

collaborationId

A unique identifier for the collaboration that the analysis templates belong to. Currently accepts collaboration ID.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

createTime

The time that the analysis template within a collaboration was created.

Type: Timestamp

Required: Yes

creatorAccountId

The identifier used to reference members of the collaboration. Currently only supports AWS account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

format

The format of the analysis template in the collaboration.

Type: String

Valid Values: SQL

Required: Yes

id

The identifier of the analysis template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

name

The name of the analysis template.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_]+-)*([a-zA-Z0-9_]+))?

Required: Yes

schema

The entire schema object.

Type: [AnalysisSchema](#) object

Required: Yes

source

The source of the analysis template within a collaboration.

Type: [AnalysisSource](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

updateTime

The time that the analysis template in the collaboration was last updated.

Type: Timestamp

Required: Yes

analysisParameters

The analysis parameters that have been specified in the analysis template.

Type: Array of [AnalysisParameter](#) objects

Array Members: Minimum number of 0 items. Maximum number of 10 items.

Required: No

description

The description of the analysis template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t\r\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 V2](#)
- [AWS SDK for Ruby V3](#)

CollaborationAnalysisTemplateSummary

The metadata of the analysis template within a collaboration.

Contents

arn

The Amazon Resource Name (ARN) of the analysis template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 200.

Pattern: `arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+/analysistemplate/[\d\w-]+`

Required: Yes

collaborationArn

The unique ARN for the analysis template's associated collaboration.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+`

Required: Yes

collaborationId

A unique identifier for the collaboration that the analysis templates belong to. Currently accepts collaboration ID.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

createTime

The time that the summary of the analysis template in a collaboration was created.

Type: Timestamp

Required: Yes

creatorAccountId

The identifier used to reference members of the collaboration. Currently only supports AWS account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

id

The identifier of the analysis template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

name

The name of the analysis template.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_]+-)*([a-zA-Z0-9_]+))?

Required: Yes

updateTime

The time that the summary of the analysis template in the collaboration was last updated.

Type: Timestamp

Required: Yes

description

The description of the analysis template.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t\r\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 V2](#)
- [AWS SDK for Ruby V3](#)

CollaborationConfiguredAudienceModelAssociation

The configured audience model association within a collaboration.

Contents

arn

The Amazon Resource Name (ARN) of the configured audience model association.

Type: String

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

Pattern: `arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+/configuredaudiencemodeleassociation/[\d\w-]+`

Required: Yes

collaborationArn

The unique ARN for the configured audience model's associated collaboration.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+`

Required: Yes

collaborationId

A unique identifier for the collaboration that the configured audience model associations belong to. Accepts collaboration ID.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

configuredAudienceModelArn

The Amazon Resource Name (ARN) of the configure audience model.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws[-a-z]*:cleanrooms-ml:[-a-zA-Z0-9]+:[0-9]{12}:configured-audience-model/[-a-zA-Z0-9_.]+`

Required: Yes

createTime

The time at which the configured audience model association was created.

Type: Timestamp

Required: Yes

creatorAccountId

The identifier used to reference members of the collaboration. Only supports AWS account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d+`

Required: Yes

id

The identifier of the configured audience model association.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

name

The name of the configured audience model association.

Type: String

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

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

updateTime

The most recent time at which the configured audience model association was updated.

Type: Timestamp

Required: Yes

description

The description of the configured audience model association.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t\r\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 V2](#)
- [AWS SDK for Ruby V3](#)

CollaborationConfiguredAudienceModelAssociationSummary

A summary of the configured audience model association in the collaboration.

Contents

arn

The Amazon Resource Name (ARN) of the configured audience model association.

Type: String

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

Pattern: `arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+/configuredaudiencemodeleassociation/[\d\w-]+`

Required: Yes

collaborationArn

The unique ARN for the configured audience model's associated collaboration.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+`

Required: Yes

collaborationId

A unique identifier for the collaboration that the configured audience model associations belong to. Accepts collaboration ID.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

createTime

The time at which the configured audience model association was created.

Type: Timestamp

Required: Yes

creatorAccountId

The identifier used to reference members of the collaboration. Only supports AWS account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

id

The identifier of the configured audience model association.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

name

The name of the configured audience model association.

Type: String

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

Pattern: (?!s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

updateTime

The most recent time at which the configured audience model association was updated.

Type: **Timestamp**

Required: Yes

description

The description of the configured audience model association.

Type: **String**

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t\r\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 V2](#)
- [AWS SDK for Ruby V3](#)

CollaborationPrivacyBudgetSummary

A summary of the collaboration privacy budgets. This summary includes the collaboration information, creation information, epsilon provided, and utility in terms of aggregations.

Contents

budget

The includes epsilon provided and utility in terms of aggregations.

Type: [PrivacyBudget](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

collaborationArn

The ARN of the collaboration that includes this privacy budget.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+`

Required: Yes

collaborationId

The unique identifier of the collaboration that includes this privacy budget.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

createTime

The time at which the privacy budget was created.

Type: Timestamp

Required: Yes

creatorAccountId

The unique identifier of the account that created this privacy budget.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

id

The unique identifier of the collaboration privacy budget.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

privacyBudgetTemplateArn

The ARN of the collaboration privacy budget template.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:privacybudgettemplate/[\d\w-]+

Required: Yes

privacyBudgetTemplateId

The unique identifier of the collaboration privacy budget template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

type

The type of privacy budget template.

Type: String

Valid Values: DIFFERENTIAL_PRIVACY

Required: Yes

updateTime

The most recent time at which the privacy budget was updated.

Type: Timestamp

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 V2](#)
- [AWS SDK for Ruby V3](#)

CollaborationPrivacyBudgetTemplate

An array that specifies the information for a collaboration's privacy budget template.

Contents

arn

The ARN of the collaboration privacy budget template.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:privacybudgettemplate/[\d\w-]+`

Required: Yes

autoRefresh

How often the privacy budget refreshes.

Important

If you plan to regularly bring new data into the collaboration, use CALENDAR_MONTH to automatically get a new privacy budget for the collaboration every calendar month. Choosing this option allows arbitrary amounts of information to be revealed about rows of the data when repeatedly queried across refreshes. Avoid choosing this if the same rows will be repeatedly queried between privacy budget refreshes.

Type: String

Valid Values: CALENDAR_MONTH | NONE

Required: Yes

collaborationArn

The ARN of the collaboration that includes this collaboration privacy budget template.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+`

Required: Yes

collaborationId

The unique identifier of the collaboration that includes this collaboration privacy budget template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

createTime

The time at which the collaboration privacy budget template was created.

Type: Timestamp

Required: Yes

creatorAccountId

The unique identifier of the account that created this collaboration privacy budget template.

Type: String

Length Constraints: Fixed length of 12.

Pattern: `\d+`

Required: Yes

id

The unique identifier of the collaboration privacy budget template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

parameters

Specifies the epsilon and noise parameters for the privacy budget template.

Type: [PrivacyBudgetTemplateParametersOutput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

privacyBudgetType

The type of privacy budget template.

Type: String

Valid Values: DIFFERENTIAL_PRIVACY

Required: Yes

updateTime

The most recent time at which the collaboration privacy budget template was updated.

Type: Timestamp

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 V2](#)
- [AWS SDK for Ruby V3](#)

CollaborationPrivacyBudgetTemplateSummary

A summary of the collaboration's privacy budget template. This summary includes information about who created the privacy budget template and what collaborations it belongs to.

Contents

arn

The ARN of the collaboration privacy budget template.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:privacybudgettemplate/[\d\w-]+`

Required: Yes

collaborationArn

The ARN of the collaboration that contains this collaboration privacy budget template.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+`

Required: Yes

collaborationId

The unique identifier of the collaboration that contains this collaboration privacy budget template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

createTime

The time at which the collaboration privacy budget template was created.

Type: Timestamp

Required: Yes

creatorAccountId

The unique identifier of the account that created this collaboration privacy budget template.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

id

The unique identifier of the collaboration privacy budget template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

privacyBudgetType

The type of the privacy budget template.

Type: String

Valid Values: DIFFERENTIAL_PRIVACY

Required: Yes

updateTime

The most recent time at which the collaboration privacy budget template was updated.

Type: Timestamp

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 V2](#)
- [AWS SDK for Ruby V3](#)

CollaborationSummary

The metadata of the collaboration.

Contents

arn

The ARN of the collaboration.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d-\w-]+

Required: Yes

createTime

The time when the collaboration was created.

Type: Timestamp

Required: Yes

creatorAccountId

The identifier used to reference members of the collaboration. Currently only supports AWS account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

creatorDisplayName

The display name of the collaboration creator.

Type: String

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

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

id

The identifier for the collaboration.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

memberStatus

The status of a member in a collaboration.

Type: String

Valid Values: INVITED | ACTIVE | LEFT | REMOVED

Required: Yes

name

A human-readable identifier provided by the collaboration owner. Display names are not unique.

Type: String

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

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

updateTime

The time the collaboration metadata was last updated.

Type: Timestamp

Required: Yes

membershipArn

The ARN of a member in a collaboration.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+`

Required: No

membershipId

The identifier of a member in a collaboration.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

Column

A column within a schema relation, derived from the underlying AWS Glue table.

Contents

name

The name of the column.

Type: String

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

Pattern: [a-zA-Z0-9_]+([a-zA-Z0-9_]+)*([a-zA-Z0-9_]+)?

Required: Yes

type

The type of the column.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

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 V2](#)
- [AWS SDK for Ruby V3](#)

ConfiguredAudienceModelAssociation

Details about the configured audience model association.

Contents

arn

The Amazon Resource Name (ARN) of the configured audience model association.

Type: String

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

Pattern: `arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+/configuredaudiencemodeleassociation/[\d\w-]+`

Required: Yes

collaborationArn

The Amazon Resource Name (ARN) of the collaboration that contains this configured audience model association.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+`

Required: Yes

collaborationId

A unique identifier of the collaboration that contains this configured audience model association.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

configuredAudienceModelArn

The Amazon Resource Name (ARN) of the configured audience model that was used for this configured audience model association.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws[-a-z]*:cleanrooms-ml:[-a-zA-Z0-9]+:[0-9]{12}:configured-audience-model/[-a-zA-Z0-9_.]+`

Required: Yes

createTime

The time at which the configured audience model association was created.

Type: Timestamp

Required: Yes

id

A unique identifier of the configured audience model association.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

manageResourcePolicies

When TRUE, indicates that the resource policy for the configured audience model resource being associated is configured for AWS Clean Rooms to manage permissions related to the given collaboration. When FALSE, indicates that the configured audience model resource owner will manage permissions related to the given collaboration.

Type: Boolean

Required: Yes

membershipArn

The Amazon Resource Name (ARN) of the membership that contains this configured audience model association.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+

Required: Yes

membershipId

A unique identifier for the membership that contains this configured audience model association.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

name

The name of the configured audience model association.

Type: String

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

Pattern: (?!s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

updateTime

The most recent time at which the configured audience model association was updated.

Type: Timestamp

Required: Yes

description

The description of the configured audience model association.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t\r\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 V2](#)
- [AWS SDK for Ruby V3](#)

ConfiguredAudienceModelAssociationSummary

A summary of the configured audience model association.

Contents

arn

The Amazon Resource Name (ARN) of the configured audience model association.

Type: String

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

Pattern: `arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+/configuredaudienceassociation/[\d\w-]+`

Required: Yes

collaborationArn

The Amazon Resource Name (ARN) of the collaboration that contains the configured audience model association.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+`

Required: Yes

collaborationId

A unique identifier of the collaboration that configured audience model is associated with.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

configuredAudienceModelArn

The Amazon Resource Name (ARN) of the configured audience model that was used for this configured audience model association.

Type: String

Length Constraints: Minimum length of 20. Maximum length of 2048.

Pattern: `arn:aws[-a-z]*:cleanrooms-ml:[-a-zA-Z0-9]+:[0-9]{12}:configured-audience-model/[-a-zA-Z0-9_.]+`

Required: Yes

createTime

The time at which the configured audience model association was created.

Type: Timestamp

Required: Yes

id

A unique identifier of the configured audience model association.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

membershipArn

The Amazon Resource Name (ARN) of the membership that contains the configured audience model association.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+`

Required: Yes

membershipId

A unique identifier of the membership that contains the configured audience model association.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

name

The name of the configured audience model association.

Type: String

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

Pattern: (?!s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

updateTime

The most recent time at which the configured audience model association was updated.

Type: Timestamp

Required: Yes

description

The description of the configured audience model association.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t\r\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 V2](#)
- [AWS SDK for Ruby V3](#)

ConfiguredTable

A table that has been configured for use in a collaboration.

Contents

allowedColumns

The columns within the underlying AWS Glue table that can be utilized within collaborations.

Type: Array of strings

Array Members: Minimum number of 1 item. Maximum number of 225 items.

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

Pattern: [a-z0-9_](([a-z0-9_]+-)*([a-z0-9_]+))?

Required: Yes

analysisMethod

The analysis method for the configured table. The only valid value is currently `DIRECT_QUERY`.

Type: String

Valid Values: DIRECT_QUERY

Required: Yes

analysisRuleTypes

The types of analysis rules associated with this configured table. Currently, only one analysis rule may be associated with a configured table.

Type: Array of strings

Valid Values: AGGREGATION | LIST | CUSTOM

Required: Yes

arn

The unique ARN for the configured table.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:configuredtable/[\d\w-]+

Required: Yes

createTime

The time the configured table was created.

Type: Timestamp

Required: Yes

id

The unique ID for the configured table.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

name

A name for the configured table.

Type: String

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

Pattern: (?!\\s*\$)[\\u0020-\\uD7FF\\uE000-\\uFFFF\\uD800\\uDBFF-\\uDC00\\uDFFF\\t]*

Required: Yes

tableReference

The AWS Glue table that this configured table represents.

Type: [TableReference object](#)

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

updateTime

The time the configured table was last updated

Type: Timestamp

Required: Yes

description

A description for the configured table.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t\r\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 V2](#)
- [AWS SDK for Ruby V3](#)

ConfiguredTableAnalysisRule

A configured table analysis rule, which limits how data for this table can be used.

Contents

configuredTableArn

The unique ARN for the configured table.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:configuredtable/[\d\w-]+`

Required: Yes

configuredTableId

The unique ID for the configured table.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

createTime

The time the configured table analysis rule was created.

Type: Timestamp

Required: Yes

policy

The policy that controls SQL query rules.

Type: [ConfiguredTableAnalysisRulePolicy](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

type

The type of configured table analysis rule.

Type: String

Valid Values: AGGREGATION | LIST | CUSTOM

Required: Yes

updateTime

The time the configured table analysis rule was last updated.

Type: Timestamp

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 V2](#)
- [AWS SDK for Ruby V3](#)

ConfiguredTableAnalysisRulePolicy

Controls on the query specifications that can be run on a configured table.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

v1

Controls on the query specifications that can be run on a configured table.

Type: [ConfiguredTableAnalysisRulePolicyV1](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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 V2](#)
- [AWS SDK for Ruby V3](#)

ConfiguredTableAnalysisRulePolicyV1

Controls on the query specifications that can be run on a configured table.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

aggregation

Analysis rule type that enables only aggregation queries on a configured table.

Type: [AnalysisRuleAggregation](#) object

Required: No

custom

A type of analysis rule that enables the table owner to approve custom SQL queries on their configured tables. It supports differential privacy.

Type: [AnalysisRuleCustom](#) object

Required: No

list

Analysis rule type that enables only list queries on a configured table.

Type: [AnalysisRuleList](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ConfiguredTableAssociation

A configured table association links a configured table to a collaboration.

Contents

arn

The unique ARN for the configured table association.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:configuredtableassociation/[\d\w-]+/[\d\w-]+`

Required: Yes

configuredTableArn

The unique ARN for the configured table that the association refers to.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:configuredtable/[\d\w-]+`

Required: Yes

configuredTableId

The unique ID for the configured table that the association refers to.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

createTime

The time the configured table association was created.

Type: Timestamp

Required: Yes

id

The unique ID for the configured table association.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

membershipArn

The unique ARN for the membership this configured table association belongs to.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+

Required: Yes

membershipId

The unique ID for the membership this configured table association belongs to.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

name

The name of the configured table association, in lowercase. The table is identified by this name when running protected queries against the underlying data.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_]+-)*([a-zA-Z0-9_]+))?

Required: Yes

roleArn

The service will assume this role to access catalog metadata and query the table.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 512.

Pattern: arn:aws:iam::[\w]+:role/[\w+=./@-]+

Required: Yes

updateTime

The time the configured table association was last updated.

Type: Timestamp

Required: Yes

description

A description of the configured table association.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t\r\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 V2](#)
- [AWS SDK for Ruby V3](#)

ConfiguredTableAssociationSummary

The configured table association summary for the objects listed by the request.

Contents

arn

The unique ARN for the configured table association.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:configuredtableassociation/[\d\w-]+/[\d\w-]+

Required: Yes

configuredTableId

The unique configured table ID that this configured table association refers to.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

createTime

The time the configured table association was created.

Type: Timestamp

Required: Yes

id

The unique ID for the configured table association.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

membershipArn

The unique ARN for the membership that the configured table association belongs to.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+

Required: Yes

membershipId

The unique ID for the membership that the configured table association belongs to.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

name

The name of the configured table association. The table is identified by this name when running Protected Queries against the underlying data.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

Required: Yes

updateTime

The time the configured table association was last updated.

Type: Timestamp

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 V2](#)
- [AWS SDK for Ruby V3](#)

ConfiguredTableSummary

The configured table summary for the objects listed by the request.

Contents

analysisMethod

The analysis method for the configured tables. The only valid value is currently `DIRECT_QUERY`.

Type: String

Valid Values: DIRECT_QUERY

Required: Yes

analysisRuleTypes

The types of analysis rules associated with this configured table.

Type: Array of strings

Valid Values: AGGREGATION | LIST | CUSTOM

Required: Yes

arn

The unique ARN of the configured table.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:configuredtable/[\d\w-]+

Required: Yes

createTime

The time the configured table was created.

Type: Timestamp

Required: Yes

id

The unique ID of the configured table.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

name

The name of the configured table.

Type: String

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

Pattern: (?!s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

updateTime

The time the configured table was last updated.

Type: Timestamp

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 V2](#)
- [AWS SDK for Ruby V3](#)

DataEncryptionMetadata

The settings for client-side encryption for cryptographic computing.

Contents

allowCleartext

Indicates whether encrypted tables can contain cleartext data (TRUE) or are to cryptographically process every column (FALSE).

Type: Boolean

Required: Yes

allowDuplicates

Indicates whether Fingerprint columns can contain duplicate entries (TRUE) or are to contain only non-repeated values (FALSE).

Type: Boolean

Required: Yes

allowJoinsOnColumnsWithDifferentNames

Indicates whether Fingerprint columns can be joined on any other Fingerprint column with a different name (TRUE) or can only be joined on Fingerprint columns of the same name (FALSE).

Type: Boolean

Required: Yes

preserveNulls

Indicates whether NULL values are to be copied as NULL to encrypted tables (TRUE) or cryptographically processed (FALSE).

Type: Boolean

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 V2](#)
- [AWS SDK for Ruby V3](#)

DifferentialPrivacyColumn

Specifies the name of the column that contains the unique identifier of your users, whose privacy you want to protect.

Contents

name

The name of the column, such as `user_id`, that contains the unique identifier of your users, whose privacy you want to protect. If you want to turn on differential privacy for two or more tables in a collaboration, you must configure the same column as the user identifier column in both analysis rules.

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 V2](#)
- [AWS SDK for Ruby V3](#)

DifferentialPrivacyConfiguration

Specifies the unique identifier for your users.

Contents

columns

The name of the column (such as user_id) that contains the unique identifier of your users whose privacy you want to protect. If you want to turn on differential privacy for two or more tables in a collaboration, you must configure the same column as the user identifier column in both analysis rules.

Type: Array of [DifferentialPrivacyColumn](#) objects

Array Members: Fixed number of 1 item.

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 V2](#)
- [AWS SDK for Ruby V3](#)

DifferentialPrivacyParameters

An array that contains the sensitivity parameters.

Contents

sensitivityParameters

Provides the sensitivity parameters that you can use to better understand the total amount of noise in query results.

Type: Array of [DifferentialPrivacySensitivityParameters](#) objects

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 V2](#)
- [AWS SDK for Ruby V3](#)

DifferentialPrivacyPreviewAggregation

Provides an estimate of the number of aggregation functions that the member who can query can run given the epsilon and noise parameters.

Contents

maxCount

The maximum number of aggregations that the member who can query can run given the epsilon and noise parameters.

Type: Integer

Valid Range: Minimum value of 0.

Required: Yes

type

The type of aggregation function.

Type: String

Valid Values: AVG | COUNT | COUNT_DISTINCT | SUM | STDDEV

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 V2](#)
- [AWS SDK for Ruby V3](#)

DifferentialPrivacyPreviewParametersInput

The epsilon and noise parameters that you want to preview.

Contents

epsilon

The epsilon value that you want to preview.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: Yes

usersNoisePerQuery

Noise added per query is measured in terms of the number of users whose contributions you want to obscure. This value governs the rate at which the privacy budget is depleted.

Type: Integer

Valid Range: Minimum value of 10. Maximum value of 100.

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 V2](#)
- [AWS SDK for Ruby V3](#)

DifferentialPrivacyPrivacyBudget

Specifies the configured epsilon value and the utility in terms of total aggregations, as well as the remaining aggregations available.

Contents

aggregations

This information includes the configured epsilon value and the utility in terms of total aggregations, as well as the remaining aggregations.

Type: Array of [DifferentialPrivacyPrivacyBudgetAggregation](#) objects

Required: Yes

epsilon

The epsilon value that you configured.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

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 V2](#)
- [AWS SDK for Ruby V3](#)

DifferentialPrivacyPrivacyBudgetAggregation

Information about the total number of aggregations, as well as the remaining aggregations.

Contents

maxCount

The maximum number of aggregation functions that you can perform with the given privacy budget.

Type: Integer

Valid Range: Minimum value of 0.

Required: Yes

remainingCount

The remaining number of aggregation functions that can be run with the available privacy budget.

Type: Integer

Valid Range: Minimum value of 0.

Required: Yes

type

The different types of aggregation functions that you can perform.

Type: String

Valid Values: AVG | COUNT | COUNT_DISTINCT | SUM | STDDEV

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 V2](#)
- [AWS SDK for Ruby V3](#)

DifferentialPrivacyPrivacyImpact

Information about the number of aggregation functions that the member who can query can run given the epsilon and noise parameters.

Contents

aggregations

The number of aggregation functions that you can perform.

Type: Array of [DifferentialPrivacyPreviewAggregation](#) objects

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 V2](#)
- [AWS SDK for Ruby V3](#)

DifferentialPrivacySensitivityParameters

Provides the sensitivity parameters.

Contents

aggregationExpression

The aggregation expression that was run.

Type: String

Length Constraints: Minimum length of 1.

Required: Yes

aggregationType

The type of aggregation function that was run.

Type: String

Valid Values: AVG | COUNT | COUNT_DISTINCT | SUM | STDDEV

Required: Yes

userContributionLimit

The maximum number of rows contributed by a user in a SQL query.

Type: Integer

Valid Range: Minimum value of 0.

Required: Yes

maxColumnValue

The upper bound of the aggregation expression.

Type: Float

Required: No

minColumnValue

The lower bound of the aggregation expression.

Type: Float

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 V2](#)
- [AWS SDK for Ruby V3](#)

DifferentialPrivacyTemplateParametersInput

The epsilon and noise parameter values that you want to use for the differential privacy template.

Contents

epsilon

The epsilon value that you want to use.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: Yes

usersNoisePerQuery

Noise added per query is measured in terms of the number of users whose contributions you want to obscure. This value governs the rate at which the privacy budget is depleted.

Type: Integer

Valid Range: Minimum value of 10. Maximum value of 100.

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 V2](#)
- [AWS SDK for Ruby V3](#)

DifferentialPrivacyTemplateParametersOutput

The epsilon and noise parameter values that were used for the differential privacy template.

Contents

epsilon

The epsilon value that you specified.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: Yes

usersNoisePerQuery

Noise added per query is measured in terms of the number of users whose contributions you want to obscure. This value governs the rate at which the privacy budget is depleted.

Type: Integer

Valid Range: Minimum value of 10. Maximum value of 100.

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 V2](#)
- [AWS SDK for Ruby V3](#)

DifferentialPrivacyTemplateUpdateParameters

The epsilon and noise parameter values that you want to update in the differential privacy template.

Contents

epsilon

The updated epsilon value that you want to use.

Type: Integer

Valid Range: Minimum value of 1. Maximum value of 20.

Required: No

usersNoisePerQuery

The updated value of noise added per query. It is measured in terms of the number of users whose contributions you want to obscure. This value governs the rate at which the privacy budget is depleted.

Type: Integer

Valid Range: Minimum value of 10. Maximum value of 100.

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 V2](#)
- [AWS SDK for Ruby V3](#)

GlueTableReference

A reference to a table within an AWS Glue data catalog.

Contents

databaseName

The name of the database the AWS Glue table belongs to.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

Required: Yes

tableName

The name of the AWS Glue table.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

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 V2](#)
- [AWS SDK for Ruby V3](#)

Membership

The membership object.

Contents

arn

The unique ARN for the membership.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+

Required: Yes

collaborationArn

The unique ARN for the membership's associated collaboration.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+

Required: Yes

collaborationCreatorAccountId

The identifier used to reference members of the collaboration. Currently only supports AWS account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

collaborationCreatorDisplayName

The display name of the collaboration creator.

Type: String

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

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

collaborationId

The unique ID for the membership's collaboration.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

collaborationName

The name of the membership's collaboration.

Type: String

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

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFD\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

createTime

The time when the membership was created.

Type: Timestamp

Required: Yes

id

The unique ID of the membership.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

memberAbilities

The abilities granted to the collaboration member.

Type: Array of strings

Valid Values: CAN_QUERY | CAN_RECEIVE_RESULTS

Required: Yes

paymentConfiguration

The payment responsibilities accepted by the collaboration member.

Type: [MembershipPaymentConfiguration](#) object

Required: Yes

queryLogStatus

An indicator as to whether query logging has been enabled or disabled for the membership.

Type: String

Valid Values: ENABLED | DISABLED

Required: Yes

status

The status of the membership.

Type: String

Valid Values: ACTIVE | REMOVED | COLLABORATION_DELETED

Required: Yes

updateTime

The time the membership metadata was last updated.

Type: Timestamp

Required: Yes

defaultResultConfiguration

The default protected query result configuration as specified by the member who can receive results.

Type: [MembershipProtectedQueryResultConfiguration](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MembershipPaymentConfiguration

An object representing the payment responsibilities accepted by the collaboration member.

Contents

queryCompute

The payment responsibilities accepted by the collaboration member for query compute costs.

Type: [MembershipQueryComputePaymentConfig](#) object

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 V2](#)
- [AWS SDK for Ruby V3](#)

MembershipProtectedQueryOutputConfiguration

Contains configurations for protected query results.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

s3

Contains the configuration to write the query results to S3.

Type: [ProtectedQueryS3OutputConfiguration](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MembershipProtectedQueryResultConfiguration

Contains configurations for protected query results.

Contents

outputConfiguration

Configuration for protected query results.

Type: [MembershipProtectedQueryOutputConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

roleArn

The unique ARN for an IAM role that is used by AWS Clean Rooms to write protected query results to the result location, given by the member who can receive results.

Type: String

Length Constraints: Minimum length of 32. Maximum length of 512.

Pattern: arn:aws:iam::[\w]+:[\w+=./@-]+

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 V2](#)
- [AWS SDK for Ruby V3](#)

MembershipQueryComputePaymentConfig

An object representing the payment responsibilities accepted by the collaboration member for query compute costs.

Contents

isResponsible

Indicates whether the collaboration member has accepted to pay for query compute costs (TRUE) or has not accepted to pay for query compute costs (FALSE).

If the collaboration creator has not specified anyone to pay for query compute costs, then the member who can query is the default payer.

An error message is returned for the following reasons:

- If you set the value to FALSE but you are responsible to pay for query compute costs.
- If you set the value to TRUE but you are not responsible to pay for query compute costs.

Type: Boolean

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 V2](#)
- [AWS SDK for Ruby V3](#)

MembershipSummary

The membership object listed by the request.

Contents

arn

The unique ARN for the membership.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+

Required: Yes

collaborationArn

The unique ARN for the membership's associated collaboration.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+

Required: Yes

collaborationCreatorAccountId

The identifier of the AWS principal that created the collaboration. Currently only supports AWS account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

collaborationCreatorDisplayName

The display name of the collaboration creator.

Type: String

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

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

collaborationId

The unique ID for the membership's collaboration.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

collaborationName

The name for the membership's collaboration.

Type: String

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

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

createTime

The time when the membership was created.

Type: Timestamp

Required: Yes

id

The unique ID for the membership's collaboration.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

memberAbilities

The abilities granted to the collaboration member.

Type: Array of strings

Valid Values: CAN_QUERY | CAN_RECEIVE_RESULTS

Required: Yes

paymentConfiguration

The payment responsibilities accepted by the collaboration member.

Type: [MembershipPaymentConfiguration](#) object

Required: Yes

status

The status of the membership.

Type: String

Valid Values: ACTIVE | REMOVED | COLLABORATION_DELETED

Required: Yes

updateTime

The time the membership metadata was last updated.

Type: Timestamp

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 V2](#)
- [AWS SDK for Ruby V3](#)

MemberSpecification

Basic metadata used to construct a new member.

Contents

accountId

The identifier used to reference members of the collaboration. Currently only supports AWS account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

displayName

The member's display name.

Type: String

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

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

memberAbilities

The abilities granted to the collaboration member.

Type: Array of strings

Valid Values: CAN_QUERY | CAN_RECEIVE_RESULTS

Required: Yes

paymentConfiguration

The collaboration member's payment responsibilities set by the collaboration creator.

If the collaboration creator hasn't specified anyone as the member paying for query compute costs, then the member who can query is the default payer.

Type: [PaymentConfiguration object](#)

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

MemberSummary

The member object listed by the request.

Contents

abilities

The abilities granted to the collaboration member.

Type: Array of strings

Valid Values: CAN_QUERY | CAN_RECEIVE_RESULTS

Required: Yes

accountId

The identifier used to reference members of the collaboration. Currently only supports AWS account ID.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

createTime

The time when the member was created.

Type: Timestamp

Required: Yes

displayName

The member's display name.

Type: String

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

Pattern: (?!\s*\$)[\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t]*

Required: Yes

paymentConfiguration

The collaboration member's payment responsibilities set by the collaboration creator.

Type: [PaymentConfiguration object](#)

Required: Yes

status

The status of the member.

Type: String

Valid Values: INVITED | ACTIVE | LEFT | REMOVED

Required: Yes

updateTime

The time the member metadata was last updated.

Type: Timestamp

Required: Yes

membershipArn

The unique ARN for the member's associated membership, if present.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+

Required: No

membershipId

The unique ID for the member's associated membership, if present.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PaymentConfiguration

An object representing the collaboration member's payment responsibilities set by the collaboration creator.

Contents

queryCompute

The collaboration member's payment responsibilities set by the collaboration creator for query compute costs.

Type: [QueryComputePaymentConfig](#) object

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 V2](#)
- [AWS SDK for Ruby V3](#)

PreviewPrivacyImpactParametersInput

Specifies the updated epsilon and noise parameters to preview. The preview allows you to see how the maximum number of each type of aggregation function would change with the new parameters.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

differentialPrivacy

An array that specifies the epsilon and noise parameters.

Type: [DifferentialPrivacyPreviewParametersInput](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PrivacyBudget

The epsilon parameter value and number of each aggregation function that you can perform.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

differentialPrivacy

An object that specifies the epsilon parameter and the utility in terms of total aggregations, as well as the remaining aggregations available.

Type: [DifferentialPrivacyPrivacyBudget](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PrivacyBudgetSummary

An array that summarizes the specified privacy budget. This summary includes collaboration information, creation information, membership information, and privacy budget information.

Contents

budget

The provided privacy budget.

Type: [PrivacyBudget](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

collaborationArn

The ARN of the collaboration that contains this privacy budget.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+`

Required: Yes

collaborationId

The unique identifier of the collaboration that contains this privacy budget.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

createTime

The time at which the privacy budget was created.

Type: Timestamp

Required: Yes

id

The unique identifier of the privacy budget.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

membershipArn

The Amazon Resource Name (ARN) of the member who created the privacy budget summary.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+

Required: Yes

membershipId

The identifier for a membership resource.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

privacyBudgetTemplateArn

The ARN of the privacy budget template.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:privacybudgettemplate/[\d\w-]+`

Required: Yes

privacyBudgetTemplateId

The unique identifier of the privacy budget template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

type

Specifies the type of the privacy budget.

Type: String

Valid Values: DIFFERENTIAL_PRIVACY

Required: Yes

updateTime

The most recent time at which the privacy budget was updated.

Type: Timestamp

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 V2](#)

- [AWS SDK for Ruby V3](#)

PrivacyBudgetTemplate

An object that defines the privacy budget template.

Contents

arn

The ARN of the privacy budget template.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:privacybudgettemplate/[\d\w-]+`

Required: Yes

autoRefresh

How often the privacy budget refreshes.

Important

If you plan to regularly bring new data into the collaboration, use CALENDAR_MONTH to automatically get a new privacy budget for the collaboration every calendar month. Choosing this option allows arbitrary amounts of information to be revealed about rows of the data when repeatedly queried across refreshes. Avoid choosing this if the same rows will be repeatedly queried between privacy budget refreshes.

Type: String

Valid Values: CALENDAR_MONTH | NONE

Required: Yes

collaborationArn

The ARN of the collaboration that contains this privacy budget template.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+

Required: Yes

collaborationId

The unique ID of the collaboration that contains this privacy budget template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

createTime

The time at which the privacy budget template was created.

Type: Timestamp

Required: Yes

id

The unique identifier of the privacy budget template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

membershipArn

The Amazon Resource Name (ARN) of the member who created the privacy budget template.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+`

Required: Yes

membershipId

The identifier for a membership resource.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

parameters

Specifies the epsilon and noise parameters for the privacy budget template.

Type: [PrivacyBudgetTemplateParametersOutput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

Required: Yes

privacyBudgetType

Specifies the type of the privacy budget template.

Type: String

Valid Values: DIFFERENTIAL_PRIVACY

Required: Yes

updateTime

The most recent time at which the privacy budget template was updated.

Type: Timestamp

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 V2](#)
- [AWS SDK for Ruby V3](#)

PrivacyBudgetTemplateParametersInput

The epsilon and noise parameters that you want to use for the privacy budget template.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

differentialPrivacy

An object that specifies the epsilon and noise parameters.

Type: [DifferentialPrivacyTemplateParametersInput](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PrivacyBudgetTemplateParametersOutput

The epsilon and noise parameters that were used in the privacy budget template.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

differentialPrivacy

The epsilon and noise parameters.

Type: [DifferentialPrivacyTemplateParametersOutput](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PrivacyBudgetTemplateSummary

A summary of the privacy budget template. The summary includes membership information, collaboration information, and creation information.

Contents

arn

The ARN of the privacy budget template.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:privacybudgettemplate/[\d\w-]+`

Required: Yes

collaborationArn

The ARN of the collaboration that contains this privacy budget template.

Type: String

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

Pattern: `arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+`

Required: Yes

collaborationId

The unique ID of the collaboration that contains this privacy budget template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: `[0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}`

Required: Yes

createTime

The time at which the privacy budget template was created.

Type: Timestamp

Required: Yes

id

The unique identifier of the privacy budget template.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

membershipArn

The Amazon Resource Name (ARN) of the member who created the privacy budget template.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+

Required: Yes

membershipId

The identifier for a membership resource.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

privacyBudgetType

The type of the privacy budget template.

Type: String

Valid Values: DIFFERENTIAL_PRIVACY

Required: Yes

updateTime

The most recent time at which the privacy budget template was updated.

Type: Timestamp

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 V2](#)
- [AWS SDK for Ruby V3](#)

PrivacyBudgetTemplateUpdateParameters

The epsilon and noise parameters that you want to update in the privacy budget template.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

differentialPrivacy

An object that specifies the new values for the epsilon and noise parameters.

Type: [DifferentialPrivacyTemplateUpdateParameters](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

PrivacyImpact

Provides an estimate of the number of aggregation functions that the member who can query can run given the epsilon and noise parameters.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

differentialPrivacy

An object that lists the number and type of aggregation functions you can perform.

Type: [DifferentialPrivacyPrivacyImpact](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ProtectedQuery

The parameters for an AWS Clean Rooms protected query.

Contents

createTime

The time at which the protected query was created.

Type: Timestamp

Required: Yes

id

The identifier for a protected query instance.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

membershipArn

The ARN of the membership.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+

Required: Yes

membershipId

The identifier for the membership.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

status

The status of the query.

Type: String

Valid Values: SUBMITTED | STARTED | CANCELLED | CANCELLING | FAILED | SUCCESS | TIMED_OUT

Required: Yes

differentialPrivacy

The sensitivity parameters of the differential privacy results of the protected query.

Type: [DifferentialPrivacyParameters](#) object

Required: No

error

An error thrown by the protected query.

Type: [ProtectedQueryError](#) object

Required: No

result

The result of the protected query.

Type: [ProtectedQueryResult](#) object

Required: No

resultConfiguration

Contains any details needed to write the query results.

Type: [ProtectedQueryResultConfiguration](#) object

Required: No

sqlParameters

The protected query SQL parameters.

Type: [ProtectedQuerySQLParameters](#) object

Required: No

statistics

Statistics about protected query execution.

Type: [ProtectedQueryStatistics](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ProtectedQueryError

Details of errors thrown by the protected query.

Contents

code

An error code for the error.

Type: String

Required: Yes

message

A description of why the query failed.

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 V2](#)
- [AWS SDK for Ruby V3](#)

ProtectedQueryOutput

Contains details about the protected query output.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

memberList

The list of member AWS account(s) that received the results of the query.

Type: Array of [ProtectedQuerySingleMemberOutput](#) objects

Required: No

s3

If present, the output for a protected query with an `S3` output type.

Type: [ProtectedQueryS3Output](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ProtectedQueryOutputConfiguration

Contains configuration details for protected query output.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

s3

Required configuration for a protected query with an `S3` output type.

Type: [ProtectedQueryS3OutputConfiguration](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ProtectedQueryResult

Details about the query results.

Contents

output

The output of the protected query.

Type: [ProtectedQueryOutput](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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 V2](#)
- [AWS SDK for Ruby V3](#)

ProtectedQueryResultConfiguration

Contains configurations for protected query results.

Contents

outputConfiguration

Configuration for protected query results.

Type: [ProtectedQueryOutputConfiguration](#) object

Note: This object is a Union. Only one member of this object can be specified or returned.

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 V2](#)
- [AWS SDK for Ruby V3](#)

ProtectedQueryS3Output

Contains output information for protected queries with an S3 output type.

Contents

location

The S3 location of the result.

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 V2](#)
- [AWS SDK for Ruby V3](#)

ProtectedQueryS3OutputConfiguration

Contains the configuration to write the query results to S3.

Contents

bucket

The S3 bucket to unload the protected query results.

Type: String

Length Constraints: Minimum length of 3. Maximum length of 63.

Pattern: `.*(?!^(\d+\.).+\d+$)(^(([a-z0-9]| [a-z0-9][a-z0-9\-\-]*[a-z0-9])\.)*([a-z0-9]| [a-z0-9][a-z0-9\-\-]*[a-z0-9])$).*`

Required: Yes

resultFormat

Intended file format of the result.

Type: String

Valid Values: CSV | PARQUET

Required: Yes

keyPrefix

The S3 prefix to unload the protected query results.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 512.

Pattern: `[\w! .=-/-]*`

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 V2](#)
- [AWS SDK for Ruby V3](#)

ProtectedQuerySingleMemberOutput

Details about the member who received the query result.

Contents

accountId

The AWS account ID of the member in the collaboration who can receive results for the query.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

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 V2](#)
- [AWS SDK for Ruby V3](#)

ProtectedQuerySQLParameters

The parameters for the SQL type Protected Query.

Contents

analysisTemplateArn

The Amazon Resource Name (ARN) associated with the analysis template within a collaboration.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 200.

Pattern: `arn:aws:cleanrooms:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+/analysistemplate/[\d\w-]+`

Required: No

parameters

The protected query SQL parameters.

Type: String to string map

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

Key Pattern: `[0-9a-zA-Z_-]+`

Value Length Constraints: Minimum length of 0. Maximum length of 250.

Required: No

queryString

The query string to be submitted.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 90000.

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 V2](#)
- [AWS SDK for Ruby V3](#)

ProtectedQueryStatistics

Contains statistics about the execution of the protected query.

Contents

totalDurationInMillis

The duration of the Protected Query, from creation until query completion.

Type: Long

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ProtectedQuerySummary

The protected query summary for the objects listed by the request.

Contents

createTime

The time the protected query was created.

Type: Timestamp

Required: Yes

id

The unique ID of the protected query.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

membershipArn

The unique ARN for the membership that initiated the protected query.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:membership/[\d\w-]+

Required: Yes

membershipId

The unique ID for the membership that initiated the protected query.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

status

The status of the protected query. Value values are `SUBMITTED`, `STARTED`, `CANCELLED`, `CANCELLING`, `FAILED`, `SUCCESS`, `TIMED_OUT`.

Type: String

Valid Values: SUBMITTED | STARTED | CANCELLED | CANCELLING | FAILED | SUCCESS | TIMED_OUT

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 V2](#)
- [AWS SDK for Ruby V3](#)

QueryComputePaymentConfig

An object representing the collaboration member's payment responsibilities set by the collaboration creator for query compute costs.

Contents

isResponsible

Indicates whether the collaboration creator has configured the collaboration member to pay for query compute costs (TRUE) or has not configured the collaboration member to pay for query compute costs (FALSE).

Exactly one member can be configured to pay for query compute costs. An error is returned if the collaboration creator sets a TRUE value for more than one member in the collaboration.

If the collaboration creator hasn't specified anyone as the member paying for query compute costs, then the member who can query is the default payer. An error is returned if the collaboration creator sets a FALSE value for the member who can query.

Type: Boolean

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 V2](#)
- [AWS SDK for Ruby V3](#)

Schema

A schema is a relation within a collaboration.

Contents

analysisRuleTypes

The analysis rule types associated with the schema. Currently, only one entry is present.

Type: Array of strings

Valid Values: AGGREGATION | LIST | CUSTOM

Required: Yes

collaborationArn

The unique ARN for the collaboration that the schema belongs to.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+

Required: Yes

collaborationId

The unique ID for the collaboration that the schema belongs to.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

columns

The columns for the relation this schema represents.

Type: Array of [Column](#) objects

Required: Yes

createTime

The time the schema was created.

Type: Timestamp

Required: Yes

creatorAccountId

The unique account ID for the AWS account that owns the schema.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

description

A description for the schema.

Type: String

Length Constraints: Minimum length of 0. Maximum length of 255.

Pattern: [\u0020-\uD7FF\uE000-\uFFFF\uD800\uDBFF-\uDC00\uDFFF\t\r\n]*

Required: Yes

name

A name for the schema. The schema relation is referred to by this name when queried by a protected query.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_-]+-)*([a-zA-Z0-9_-]+))?

Required: Yes

partitionKeys

The partition keys for the dataset underlying this schema.

Type: Array of [Column](#) objects

Required: Yes

schemaStatusDetails

Details about the status of the schema. Currently, only one entry is present.

Type: Array of [SchemaStatusDetail](#) objects

Required: Yes

type

The type of schema. The only valid value is currently 'TABLE'.

Type: String

Valid Values: TABLE

Required: Yes

updateTime

The time the schema was last updated.

Type: Timestamp

Required: Yes

analysisMethod

The analysis method for the schema. The only valid value is currently DIRECT_QUERY.

Type: String

Valid Values: DIRECT_QUERY

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 V2](#)
- [AWS SDK for Ruby V3](#)

SchemaAnalysisRuleRequest

Defines the information that's necessary to retrieve an analysis rule schema. Schema analysis rules are uniquely identified by a combination of the schema name and the analysis rule type for a given collaboration.

Contents

name

The name of the analysis rule schema that you are requesting.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_]+-)*([a-zA-Z0-9_]+))?

Required: Yes

type

The type of analysis rule schema that you are requesting.

Type: String

Valid Values: AGGREGATION | LIST | CUSTOM

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 V2](#)
- [AWS SDK for Ruby V3](#)

SchemaStatusDetail

Information about the schema status.

A status of READY means that based on the schema analysis rule, queries of the given analysis rule type are properly configured to run queries on this schema.

Contents

status

The status of the schema.

Type: String

Valid Values: READY | NOT_READY

Required: Yes

analysisRuleType

The analysis rule type for which the schema status has been evaluated.

Type: String

Valid Values: AGGREGATION | LIST | CUSTOM

Required: No

configurations

The configuration details of the schema analysis rule for the given type.

Type: Array of strings

Valid Values: DIFFERENTIAL_PRIVACY

Required: No

reasons

The reasons why the schema status is set to its current state.

Type: Array of [SchemaStatusReason](#) 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 V2](#)
- [AWS SDK for Ruby V3](#)

SchemaStatusReason

A reason why the schema status is set to its current value.

Contents

code

The schema status reason code.

Type: String

Valid Values: ANALYSIS_RULE_MISSING | ANALYSIS_TEMPLATES_NOT_CONFIGURED | ANALYSIS_PROVIDERS_NOT_CONFIGURED | DIFFERENTIAL_PRIVACY_POLICY_NOT_CONFIGURED

Required: Yes

message

An explanation of the schema status reason code.

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 V2](#)
- [AWS SDK for Ruby V3](#)

SchemaSummary

The schema summary for the objects listed by the request.

Contents

analysisRuleTypes

The types of analysis rules that are associated with this schema object.

Type: Array of strings

Valid Values: AGGREGATION | LIST | CUSTOM

Required: Yes

collaborationArn

The unique ARN for the collaboration that the schema belongs to.

Type: String

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

Pattern: arn:aws:[\w]+:[\w]{2}-[\w]{4,9}-[\d]:[\d]{12}:collaboration/[\d\w-]+

Required: Yes

collaborationId

The unique ID for the collaboration that the schema belongs to.

Type: String

Length Constraints: Fixed length of 36.

Pattern: [0-9a-f]{8}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{4}-[0-9a-f]{12}

Required: Yes

createTime

The time the schema object was created.

Type: Timestamp

Required: Yes

creatorAccountId

The unique account ID for the AWS account that owns the schema.

Type: String

Length Constraints: Fixed length of 12.

Pattern: \d+

Required: Yes

name

The name for the schema object.

Type: String

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

Pattern: [a-zA-Z0-9_](([a-zA-Z0-9_]+-)*([a-zA-Z0-9_]+))?

Required: Yes

type

The type of schema object. The only valid schema type is currently `TABLE`.

Type: String

Valid Values: TABLE

Required: Yes

updateTime

The time the schema object was last updated.

Type: Timestamp

Required: Yes

analysisMethod

The analysis method for the associated schema. The only valid value is currently `DIRECT_QUERY`.

Type: String

Valid Values: DIRECT_QUERY

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 V2](#)
- [AWS SDK for Ruby V3](#)

TableReference

A pointer to the dataset that underlies this table. Currently, this can only be an AWS Glue table.

Contents

Important

This data type is a UNION, so only one of the following members can be specified when used or returned.

glue

If present, a reference to the AWS Glue table referred to by this table reference.

Type: [GlueTableReference](#) object

Required: No

See Also

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

- [AWS SDK for C++](#)
- [AWS SDK for Go](#)
- [AWS SDK for Java V2](#)
- [AWS SDK for Ruby V3](#)

ValidationExceptionField

Describes validation errors for specific input parameters.

Contents

message

A message for the input validation error.

Type: String

Required: Yes

name

The name of the input 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 V2](#)
- [AWS SDK for Ruby V3](#)

Common Parameters

The following list contains the parameters that all actions use for signing Signature Version 4 requests with a query string. Any action-specific parameters are listed in the topic for that action. For more information about Signature Version 4, see [Signing AWS API requests in the IAM User Guide](#).

Action

The action to be performed.

Type: string

Required: Yes

Version

The API version that the request is written for, expressed in the format YYYY-MM-DD.

Type: string

Required: Yes

X-Amz-Algorithm

The hash algorithm that you used to create the request signature.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Valid Values: AWS4-HMAC-SHA256

Required: Conditional

X-Amz-Credential

The credential scope value, which is a string that includes your access key, the date, the region you are targeting, the service you are requesting, and a termination string ("aws4_request").

The value is expressed in the following format: *access_key/YYYYMMDD/region/service/aws4_request*.

For more information, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-Date

The date that is used to create the signature. The format must be ISO 8601 basic format (YYYYMMDD'T'HHMMSS'Z'). For example, the following date time is a valid X-Amz-Date value: 20120325T120000Z.

Condition: X-Amz-Date is optional for all requests; it can be used to override the date used for signing requests. If the Date header is specified in the ISO 8601 basic format, X-Amz-Date is not required. When X-Amz-Date is used, it always overrides the value of the Date header. For more information, see [Elements of an AWS API request signature](#) in the *IAM User Guide*.

Type: string

Required: Conditional

X-Amz-Security-Token

The temporary security token that was obtained through a call to AWS Security Token Service (AWS STS). For a list of services that support temporary security credentials from AWS STS, see [AWS services that work with IAM](#) in the *IAM User Guide*.

Condition: If you're using temporary security credentials from AWS STS, you must include the security token.

Type: string

Required: Conditional

X-Amz-Signature

Specifies the hex-encoded signature that was calculated from the string to sign and the derived signing key.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

X-Amz-SignedHeaders

Specifies all the HTTP headers that were included as part of the canonical request. For more information about specifying signed headers, see [Create a signed AWS API request](#) in the *IAM User Guide*.

Condition: Specify this parameter when you include authentication information in a query string instead of in the HTTP authorization header.

Type: string

Required: Conditional

Common Errors

This section lists the errors common to the API actions of all AWS services. For errors specific to an API action for this service, see the topic for that API action.

AccessDeniedException

You do not have sufficient access to perform this action.

HTTP Status Code: 403

ExpiredTokenException

The security token included in the request is expired

HTTP Status Code: 403

IncompleteSignature

The request signature does not conform to AWS standards.

HTTP Status Code: 403

InternalFailure

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

HTTP Status Code: 500

MalformedHttpRequestException

Problems with the request at the HTTP level, e.g. we can't decompress the body according to the decompression algorithm specified by the content-encoding.

HTTP Status Code: 400

NotAuthorized

You do not have permission to perform this action.

HTTP Status Code: 401

OptInRequired

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

HTTP Status Code: 403

RequestAbortedException

Convenient exception that can be used when a request is aborted before a reply is sent back (e.g. client closed connection).

HTTP Status Code: 400

RequestEntityTooLargeException

Problems with the request at the HTTP level. The request entity is too large.

HTTP Status Code: 413

RequestExpired

The request reached the service more than 15 minutes after the date stamp on the request or more than 15 minutes after the request expiration date (such as for pre-signed URLs), or the date stamp on the request is more than 15 minutes in the future.

HTTP Status Code: 400

RequestTimeoutException

Problems with the request at the HTTP level. Reading the Request timed out.

HTTP Status Code: 408

ServiceUnavailable

The request has failed due to a temporary failure of the server.

HTTP Status Code: 503

ThrottlingException

The request was denied due to request throttling.

HTTP Status Code: 400

UnrecognizedClientException

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

HTTP Status Code: 403

UnknownOperationException

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

HTTP Status Code: 404

ValidationError

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

HTTP Status Code: 400