

Archive Setup gRPC API

This tutorial will demonstrate how to use our Archive Setup API to:

- View bucket definitions and set a target bucket (Get target / Set target)
- Define archive retentions (Get, Update, Activate)

Prerequisites

- Coralogix **Alerts, Rules & Tags API Key** (Access this in your navigation pane by clicking **Data Flow** > API Keys)
- [Management API endpoint](#)

Supported API Calls

The API supports the following gRPCs:

Examples

rpc GetTarget(GetTargetRequest) returns (GetTargetResponse)

GetTarget**Request**

```
grpcurl -H "Authorization: Bearer <YOUR-API-KEY>" -d @ <CORALOGIX-DOMAIN>  
com.coralogix.archive.v1.TargetService/GetTarget <<EOF  
{  
}  
EOF
```

GetTarget**Response**

```
{  
  "target": {  
    "archivingFormatId": "cx_data_v1",  
    "isActive": true,  
    "region": "eu-west-1",  
    "bucket": "example-bucket",  
    "enableTags": false  
  }  
}
```

```
}
```

Field	Type	Description
archivingFormatId	string	Format of the archive log files
isActive	boolean	Indicates whether archive is active
region	string	AWS region in which your s3 bucket is located
bucket	string	S3 bucket name
enableTags	boolean	Indicates whether retention tagging feature is enabled

rpc SetTarget(SetTargetRequest) returns (SetTargetResponse)

SetTargetRequest

```
grpcurl -H "Authorization: Bearer <YOUR-API-KEY>" -d @ <CORALOGIX-DOMAIN>
com.coralogix.archive.v1.TargetService/SetTarget <<EOF
{
  "bucket": "example-bucket",
  "is_active": true
}
EOF
```

Field	Type	Description
bucket	string	S3 bucket name
is_active	boolean	Activate / deactivate archive

SetTargetResponse

```
{
  "target": {
    "archivingFormatId": "cx_data_v1",
    "isActive": true,
    "region": "eu-west-1",
    "bucket": "example-bucket",
    "enableTags": false
  }
}
```

```
}
```

Field	Type	Description
archivingFormatId	string	Format of the archive log files
isActive	boolean	Indicates whether archive is active
region	string	AWS region in which your s3 bucket is located
bucket	string	S3 bucket name
enableTags	boolean	Indicates whether retention tagging feature is enabled

rpc GetRetentionsEnabled(GetRetentionsEnabledRequest) returns (GetRetentionsEnabledResponse)

GetRetentionsEnabledRequest

```
grpcurl -H "Authorization: Bearer <YOUR-API-KEY>" -d @ <CORALOGIX-DOMAIN>  
com.coralogix.archive.v1.RetentionsService/GetRetentionsEnabled <<EOF  
{  
}  
EOF
```

GetRetentionsEnabledResponse

```
{  
  "enableTags": false  
}
```

Field	Type	Description
enableTags	boolean	Indicates whether retention tagging feature is enabled

rpc GetRetentions(GetRetentionsRequest) returns (GetRetentionsResponse)

```
grpcurl -H "Authorization: Bearer <YOUR-API-KEY>" -d @ <CORALOGIX-DOMAIN>  
com.coralogix.archive.v1.RetentionsService/GetRetentions <<EOF  
{  
}
```

E0F

GetRetentionsRequest

```
grpcurl -H "Authorization: Bearer <YOUR-API-KEY>" -d @ <CORALOGIX-DOMAIN>  
com.coralogix.archive.v1.RetentionsService/GetRetentions <<E0F  
{  
}  
E0F
```

GetRetentionsResponse

```
{  
  "retentions": [  
    {  
      "id": "c157476b-642d-400d-9acf-40f3ab02721a",  
      "order": 1,  
      "name": "Default",  
      "editable": false  
    },  
    {  
      "id": "485a2668-e815-4ec1-9b22-0228f5a27dc8",  
      "order": 2,  
      "name": "short",  
      "editable": true  
    },  
    {  
      "id": "3dacd60d-f83e-40f2-bf36-e7d2657a98d1",  
      "order": 3,  
      "name": "Intermediate",  
      "editable": true  
    },  
    {  
      "id": "ba29d452-966b-4ca7-8234-dc2d9bbe2d5e",  
      "order": 4,  
      "name": "Long",  
      "editable": true  
    }  
  ]  
}
```

Field	Type	Description
retentions	array	Array of retention elements
retentions[].id	string	Retention ID to be used in TCO policy API
retentions[].order	number	Has no significance. Currently only 4 retentions are supported
retentions[].name	string	Retention name, which can be changed (except 'default')
retentions[].editable	boolean	Whether retention is editable (All but 'default' are editable)

rpc UpdateRetentions(UpdateRetentionsRequest) returns (UpdateRetentionsResponse)

UpdateRetentions**Request**

```

grpcurl -H "Authorization: Bearer <YOUR-API-KEY>" -d @ <CORALOGIX-DOMAIN>
com.coralogix.archive.v1.RetentionsService/UpdateRetentions <<EOF
{
  "retention_update_elements": [
    {
      "id": "485a2668-e815-4ec1-9b22-0228f5a27dc8",
      "name": "1_week"
    },
    {
      "id": "e9ee9138-4533-463d-a93b-bb18692208a5",
      "name": "1_month"
    }
  ]
}
EOF

```

Field	Type	Description
retention_update_elements	Array	Array of retention elements
retention_update_elements[].id	string	ID of the retention to update
retention_update_elements[].name	string	Name of the retention to update

UpdateRetentions**Response**

```
{
  "retentions": [
    {
      "id": "485a2668-e815-4ec1-9b22-0228f5a27dc8",
      "order": 2,
      "name": "1_week",
      "editable": true
    },
    {
      "id": "3dacd60d-f83e-40f2-bf36-e7d2657a98d1",
      "order": 3,
      "name": "1_month",
      "editable": true
    }
  ]
}
```

rpc ActivateRetentions(ActivateRetentionsRequest) returns (ActivateRetentionsResponse)

ActivateRetentions**Request**

```
grpcurl -H "Authorization: Bearer <YOUR-API-KEY>" -d @ <CORALOGIX-DOMAIN>
com.coralogix.archive.v1.RetentionsService/ActivateRetentions <<EOF
{
}
EOF
```

ActivateRetentions**Response**

```
{
  "activateRetentions": true
}
```

Field	Type	Description
activateRetentions	boolean	True, if activated

If missing tagging permissions on a bucket, response will be the following error:

```
ERROR:
```

Code: FailedPrecondition

Message: Failed to update archive retention policy. Please provide Coralogix with tagging permissions in your AWS dashboard and try again.

Documentation

[Archive Retention Policy](#)

[TCO Optimizer](#)

[TCO Optimizer API](#)

Support

Need help?

Our world-class customer success team is available 24/7 to walk you through your setup and answer any questions that may come up.

Feel free to reach out to us **via our in-app chat** or by sending us an email at support@coralogix.com.

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