

Data Sources API (BETA)

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Based on REST principles, the TrendMiner Data Sources API endpoints provide access to data source configuration and operations related to synchronization and requesting data from sources.

Chapter 1. Authentication

All requests to the web API require authentication. This is achieved by sending a valid Bearer access token in the request headers. Request tokens are obtained using OAuth2.0.

Requests to the API can be done authenticated as your client or authenticated as a specific user. In both cases, you will first need to create a client and request a token.

When performing actions authenticated as a client, they will belong to `service-account-CLIENTID`.

Make sure you are calling our services over HTTPS when retrieving an access token.

1.1. Creating a new client

A new client can be created in ConfigHub: Security → Clients → Add client

1.2. Retrieving an access token

1.2.1. For your client

To retrieve a token to authenticate as your client, you will need:

- Your client ID
- Your client secret (can be obtained in ConfigHub)

A token is requested from the token endpoint of the authentication service:

Request

```
curl --request POST \  
  --url 'https://YOUR_DOMAIN/auth/realms/trendminer/protocol/openid-connect/token' \  
  --header 'content-type: application/x-www-form-urlencoded' \  
  --data grant_type=client_credentials \  
  --data client_id=YOUR_CLIENT_ID \  
  --data client_secret=YOUR_CLIENT_SECRET
```

Upon valid authentication, the response will contain an access token.

Response

```
200 OK
{
  "access_token": "eyJhbGciOiJSUzI1NiIsInR5cCIgOiAiSldUIiwia2lkIiA6ICJwcXZ1UXB...", ①
  "expires_in": 300,
  "refresh_expires_in": 0,
  "token_type": "Bearer",
  "not-before-policy": 1571391000,
  "scope": "email profile"
}
```

① The access token is to be used in every request towards our services (see example below). A new token needs to be fetched when the token expires after 5 minutes.

1.2.2. For a specific user

To retrieve a token to authenticate as a specific user, you will need:

- Your client ID
- Your client secret (can be obtained in ConfigHub)
- The user's username
- The user's password

A token is requested from the token endpoint of the authentication service.

Request

```
curl --request POST \
--url 'https://YOUR_DOMAIN/auth/realms/trendminer/protocol/openid-connect/token' \
--header 'content-type: application/x-www-form-urlencoded' \
--data grant_type=password \
--data client_id=YOUR_CLIENT_ID \
--data client_secret=YOUR_CLIENT_SECRET \
--data username=USERNAME \
--data password=PASSWORD
```

Response

```
200 OK
{
  "access_token": "eyJhbGciOiJSUzI1NiIsInR5cCIgOiAiSldUIiwia2lkIiA6ICJwcXZ1UXB...", ①
  "refresh_token": "eyJhbGciOiJIUzI1NiIsInR5cCIgOiAiSldUIiwia2lkIiA6ICI0M2U1YR...", ②
  "expires_in": 300,
  "refresh_expires_in": 1800,
  "token_type": "Bearer",
  "not-before-policy": 1571391000,
  "scope": "email profile"
}
```

- ① The access token is to be used in every request towards our services (see example below). A new token needs to be fetched when the token expires after 5 minutes.
- ② The refresh token can be used to retrieve a new access token for the same session

Using the refresh token

The refresh token can be used to retrieve a new access token for the same session:

Request

```
curl --request POST \
--url 'https://YOUR_DOMAIN/auth/realms/trendminer/protocol/openid-connect/token' \
--header 'content-type: application/x-www-form-urlencoded' \
--data grant_type=refresh_token \
--data client_id=YOUR_CLIENT_ID \
--data client_secret=YOUR_CLIENT_SECRET \
--data refresh_token=REFRESH_TOKEN
```

```
=== Doing a request with an access token
```

Example request with access token

```
curl --request GET \
--url 'https://YOUR_DOMAIN/ds/[any api]' \
--header 'Authorization: Bearer ACCESS_TOKEN'
```

Chapter 2. Resources

2.1. Asset

2.1.1. Get a specific asset denoted by the provided assetId

GET /datasources/{id}/assets/{assetId}

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Path required	assetId	The identifier of the asset	String

Responses

HTTP Code	Description	Schema
200	Ok	AssetRepresentation
404	The resource was not found	AssetRepresentation
501	Datasource does not support 'ASSET' capability	AssetRepresentation

Produces

- application/json

2.1.2. Get assets by ids from the tree

POST /datasources/{id}/assets

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Body required	string		[string]

Responses

HTTP Code	Description	Schema
200	Ok	List[[AssetRepresentation]]
404	The resource was not found	List[[AssetRepresentation]]
501	Datasource does not support 'ASSET' capability	List[[AssetRepresentation]]

Produces

- application/json

2.1.3. Get all root assets from the tree

GET /datasources/{id}/assets

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID

Responses

HTTP Code	Description	Schema
200	Ok	List[[AssetRepresentation]]
404	The resource was not found	List[[AssetRepresentation]]

Produces

- application/json

2.2. Configuration

2.2.1. Get the full list of configuration items

GET /configurations

Parameters

Type	Name	Description	Schema
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
-----------	-------------	--------

200	Ok	PagedModelConfigurationItemRepresentation
-----	----	---

Produces

- application/json
- application/hal+json

2.2.2. Get a configuration item by name

GET /configurations/{name}

Parameters

Type	Name	Description	Schema
Path required	name	Name of the configuration item to return	String

Responses

HTTP Code	Description	Schema
200	Ok	ConfigurationItemRepresentation

Produces

- application/json

2.2.3. Update a configuration item.

PUT /configurations/{name}

Parameters

Type	Name	Description	Schema
Path required	name	Name of the configuration item to update	String
Query required	value	New value to update	

Responses

HTTP Code	Description	Schema
200	Successfully updated configuration item	ConfigurationItemRepresentation
404	The configuration item was not found	ConfigurationItemRepresentation

204	No Content	ConfigurationItemRepresentation
-----	------------	---------------------------------

Produces

- /

2.3. Connectors

2.3.1. Create a new connector.

POST /connectors

Parameters

Type	Name	Description	Schema
Body <i>required</i>	ConnectorModel		[ConnectorModel]

Responses

HTTP Code	Description	Schema
400	Bad Request	ConnectorRepresentation
201	Created	ConnectorRepresentation

Produces

- application/json

2.3.2. Delete a connector.

DELETE /connectors/{id}

Parameters

Type	Name	Description	Schema
Path <i>required</i>	id	The identifier of the connector	UUID

Responses

HTTP Code	Description	Schema
204	No content	
404	The resource was not found	
202	Accepted	

2.3.3. Get a list of all connectors

GET /connectors

Parameters

Type	Name	Description	Schema
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	PagedModelConnectorRepresentation

Produces

- application/json
- application/hal+json

2.3.4. Get the connector for the specified identifier.

GET /connectors/{id}

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the connector	UUID

Responses

HTTP Code	Description	Schema
200	Ok	ConnectorRepresentation
404	The resource was not found	ConnectorRepresentation

Produces

- application/json

2.3.5. Get the version of a connector.

GET /connectors/{id}/version

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the connector	UUID

Responses

HTTP Code	Description	Schema
200	Ok	VersionInfo
404	The resource was not found	VersionInfo

Produces

- application/json

2.3.6. Get a list of all datasources which belong to a connector

GET /connectors/datasources

Parameters

Type	Name	Description	Schema
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	PagedModelDatasourceRepresentation

Produces

- application/json
- application/hal+json

2.3.7. Synchronizes a connector.

POST /connectors/{id}/sync

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the connector	UUID

Responses

HTTP Code	Description	Schema
200	Ok	
404	The resource was not found	
202	Accepted	

2.3.8. Test connector connection.

POST /connectors/{id}/test

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the connector	UUID

Responses

HTTP Code	Description	Schema
200	Ok	ConnectionTest
404	The resource was not found	ConnectionTest

Produces

- application/json

2.3.9. Update a connector.

PUT /connectors/{id}

Parameters

Type	Name	Description	Schema
------	------	-------------	--------

Path required	id	The identifier of the connector	UUID
Body required	ConnectorModel		[ConnectorModel]

Responses

HTTP Code	Description	Schema
200	Ok	ConnectorRepresentation
400	Bad Request	ConnectorRepresentation
404	The resource was not found	ConnectorRepresentation

Produces

- application/json

2.4. Context

2.4.1. Returns a list of changed context items in the source system as well as the type of change that happened.

GET /datasources/{id}/context/changes

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Query required	since	The start date of the query period. Internet DateTime format, see RFC3339 e.g.: '2012-01-01T00:00:00Z'.	
Query optional	page	The page to get. This is a cookie that is returned by a previous call to the /changes endpoint.	
Query optional	size	The page size	

Responses

HTTP Code	Description	Schema
200	Ok	CursorPagedResourcesContextChange
501	Datasource does not support 'CONTEXT' capability	CursorPagedResourcesContextChange

404	The resource was not found	CursorPagedResourcesCont extChange
-----	----------------------------	---------------------------------------

Produces

- application/json
- application/hal+json

2.4.2. Get a list of available context fields for the given datasource

GET /datasources/{id}/context/field

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	PagedModelFieldRepresentation
501	Datasource does not support 'CONTEXT' capability	PagedModelFieldRepresentation
404	The resource was not found	PagedModelFieldRepresentation

Produces

- application/json
- application/hal+json

2.4.3. Get a context item for the given datasource and context id.

GET /datasources/{id}/context/{contextItemId}

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Path required	contextItemId	The identifier of the contextItem	String

Responses

HTTP Code	Description	Schema
200	Ok	ContextItemRepresentation
501	Datasource does not support 'CONTEXT' capability	ContextItemRepresentation
404	The resource was not found	ContextItemRepresentation

Produces

- application/json
- application/hal+json

2.4.4. Get a list of context items for the given datasource

GET /datasources/{id}/context

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Query required	startDate	The start date of the query period. Internet DateTime format, see RFC3339 e.g.: '2012-01-01T00:00:00Z'.	
Query required	endDate	The end date of the query period. Internet DateTime format, see RFC3339 e.g.: '2012-01-01T00:00:00Z'.	
Query optional	createdAfter	Returned context items need to be created after this date. Internet DateTime format, see RFC3339 e.g.: '2012-01-01T00:00:00Z'.	
Query optional	page	Zero-based page index (0..N)	

Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	PagedModelContextItemRepresentation
501	Datasource does not support 'CONTEXT' capability	PagedModelContextItemRepresentation
404	The resource was not found	PagedModelContextItemRepresentation

Produces

- application/json
- application/hal+json

2.4.5. Get a list of context items for the given datasource and context identifiers.

POST /datasources/{id}/context

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Body required	string		[string]

Responses

HTTP Code	Description	Schema
200	Ok	List[[ContextItemRepresentation]]
501	Datasource does not support 'CONTEXT' capability	List[[ContextItemRepresentation]]

404	The resource was not found	List[[ContextItemRepresentation]]
-----	----------------------------	-----------------------------------

Produces

- application/json
- application/hal+json

2.4.6. Get a list of available context types for the given datasource

GET /datasources/{id}/context/type

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	PagedModelContextTypeRepresentation
501	Datasource does not support 'CONTEXT' capability	PagedModelContextTypeRepresentation
404	The resource was not found	PagedModelContextTypeRepresentation

Produces

- application/json
- application/hal+json

2.4.7. Get a list of available context workflows for the given datasource

GET /datasources/{id}/context/workflow

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	PagedModelWorkflowRepresentation
501	Datasource does not support 'CONTEXT' capability	PagedModelWorkflowRepresentation
404	The resource was not found	PagedModelWorkflowRepresentation

Produces

- application/json
- application/hal+json

2.5. Datasources

2.5.1. Create a new datasource.

POST /datasources

Parameters

Type	Name	Description	Schema
Body <i>required</i>	DatasourceModel		[DatasourceModel]

Responses

HTTP Code	Description	Schema
400	Bad Request	DatasourceRepresentation
404	The resource was not found	DatasourceRepresentation
201	Created	DatasourceRepresentation

Produces

- application/json

2.5.2. Delete a datasource.

DELETE /datasources/{id}

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID

Responses

HTTP Code	Description	Schema
204	No content	
404	The resource was not found	
202	Accepted	

2.5.3. Get the datasource for the specified identifier.

GET /datasources/{id}

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID

Responses

HTTP Code	Description	Schema
200	Ok	DatasourceRepresentation
404	The resource was not found	DatasourceRepresentation

Produces

- application/json

2.5.4. Get a list of all datasources

GET /datasources

Parameters

Type	Name	Description	Schema
Query <i>optional</i>	type	The datasource type	
Query <i>optional</i>	capabilityType	The capability type	
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	PagedModelDatasourceRepresentation

Produces

- application/json
- application/hal+json

2.5.5. Search datasources

GET /datasources/search

Parameters

Type	Name	Description	Schema
Query <i>optional</i>	types	The datasource type	

Query <i>optional</i>	capabilityTypes	The capability type	
Query <i>optional</i>	name	The name of the datasource	
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	PagedModelDatasourceRepresentation

Produces

- application/json
- application/hal+json

2.5.6. Synchronizes datasource time series definitions.

POST /datasources/{id}/sync

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID

Responses

HTTP Code	Description	Schema
200	Ok	
404	The resource was not found	
202	Accepted	

2.5.7. Test datasource connection status.

POST /datasources/test

Parameters

Type	Name	Description	Schema
Body <i>required</i>	DatasourceModel		[DatasourceModel]

Responses

HTTP Code	Description	Schema
200	Ok	ConnectionStatus

Produces

- /

2.5.8. Test datasource connection status.

POST /datasources/{id}/test

Parameters

Type	Name	Description	Schema
Path <i>required</i>	id	The identifier of the datasource	UUID

Responses

HTTP Code	Description	Schema
200	Ok	ConnectionStatus
404	The resource was not found	ConnectionStatus

Produces

- /

2.5.9. Update a datasource.

PUT /datasources/{id}

Parameters

Type	Name	Description	Schema
Path <i>required</i>	id	The identifier of the datasource	UUID

Body <i>required</i>	DatasourceModel		[DatasourceModel]
--------------------------------	------------------------	--	-------------------

Responses

HTTP Code	Description	Schema
200	Ok	DatasourceRepresentation
400	Bad Request	DatasourceRepresentation
404	The resource was not found	DatasourceRepresentation

Produces

- application/json

2.6. Event

2.6.1. Write an event back to the source.

POST /datasources/{id}/events/event

Parameters

Type	Name	Description	Schema
Path <i>required</i>	id	The identifier of the datasource	UUID
Body <i>required</i>	EventModel		[EventModel]

Responses

HTTP Code	Description	Schema
404	The datasource id does not exist	EventRepresentation
201	Created	EventRepresentation
501	Provider type does not support 'EVENT_WRITE' capability	EventRepresentation
500	Remote source server exception	EventRepresentation

Produces

- application/json

2.6.2. Get the event for the specified identifier.

GET /datasources/{id}/event/events/{eventId}

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Path required	eventId	The identifier of the event	String

Responses

HTTP Code	Description	Schema
200	Ok	EventRepresentation
501	Datasource does not support 'EVENT' capability	EventRepresentation
404	The resource was not found	EventRepresentation

Produces

- application/json
- application/hal+json

2.6.3. Get the event type for the specified identifier.

GET /datasources/{id}/events/type/{typeId}

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Path required	typeId	The identifier of the type	String

Responses

HTTP Code	Description	Schema
200	Ok	EventTypeRepresentation
501	Datasource does not support 'EVENT' capability	EventTypeRepresentation
404	The resource was not found	EventTypeRepresentation

Produces

- application/json
- application/hal+json

2.6.4. Get all event type definitions

GET /datasources/{id}/events/type

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Query <i>optional</i>	continuationToken	cursor	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property(,asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	CursorPagedModelEventTy peRepresentation
501	Datasource does not support 'EVENT' capability	CursorPagedModelEventTy peRepresentation
404	The resource was not found	CursorPagedModelEventTy peRepresentation

Produces

- application/json
- application/stream+json

2.6.5. Get all events after a given date

GET /datasources/{id}/events/event

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Query <i>required</i>	after	Events occurring after a specific date. Internet DateTime format, see RFC3339 e.g.: '2012-01-01T00:00:00Z'.	

Query <i>optional</i>	before	Events occurring before a specific date. Internet DateTime format, see RFC3339 e.g.: '2012-01-01T00:00:00Z'.	
Query <i>optional</i>	continuationToken	cursor	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property(,asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	CursorPagedModelEventRepresentation
501	Datasource does not support 'EVENT' capability	CursorPagedModelEventRepresentation
404	The resource was not found	CursorPagedModelEventRepresentation

Produces

- application/json
- application/stream+json

2.6.6. Get all events based on a grouping key

GET /datasources/{id}/events/groupedevent

Parameters

Type	Name	Description	Schema
Path <i>required</i>	id	The identifier of the datasource	UUID
Query <i>required</i>	groupingKey	Events belonging together are grouped by a grouping key	
Query <i>optional</i>	continuationToken	cursor	

Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property(,asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	CursorPagedModelEventRepresentation
501	Datasource does not support 'EVENT' capability	CursorPagedModelEventRepresentation
404	The resource was not found	CursorPagedModelEventRepresentation

Produces

- application/json
- application/stream+json

2.6.7. Get the field for the specified identifier.

GET /datasources/{id}/events/field/{fieldId}

Parameters

Type	Name	Description	Schema
Path required	id	The identifier for the datasource	UUID
Path required	fieldId	The identifier for the field	String

Responses

HTTP Code	Description	Schema
200	Ok	EventFieldRepresentation
501	Datasource does not support 'EVENT' capability	EventFieldRepresentation
404	The resource was not found	EventFieldRepresentation

Produces

- application/json

- application/hal+json

2.6.8. Get all field definitions

GET /datasources/{id}/events/field

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the datasource	UUID
Query <i>optional</i>	continuationToken	cursor	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property(,asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	CursorPagedModelEventFieldRepresentation
501	Datasource does not support 'EVENT' capability	CursorPagedModelEventFieldRepresentation
404	The resource was not found	CursorPagedModelEventFieldRepresentation

Produces

- application/json
- application/stream+json

2.7. ImportedTimeSeries

2.7.1. Delete an imported time series.

DELETE /imported/timeseries/{id}

Parameters

Type	Name	Description	Schema
------	------	-------------	--------

Path required	id	The identifier of the imported time series	UUID
----------------------	-----------	--	------

Responses

HTTP Code	Description	Schema
204	No content	
404	The resource was not found	

2.7.2. Delete all imported time series.

DELETE /imported/timeseries/

Parameters

Type	Name	Description	Schema
------	------	-------------	--------

Responses

HTTP Code	Description	Schema
204	No content	
404	The resource was not found	

2.7.3. Get the imported time series by specified id.

GET /imported/timeseries/{id}

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the imported time series	UUID

Responses

HTTP Code	Description	Schema
200	Ok	ImportedTimeSeriesRepresentation
404	The resource was not found	ImportedTimeSeriesRepresentation

Produces

- application/json

2.7.4. Search the imported time series.

GET /imported/timeseries

Parameters

Type	Name	Description	Schema
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

Responses

HTTP Code	Description	Schema
200	Ok	PagedModelImportedTimeSeriesRepresentation

Produces

- application/json

2.7.5. Imports time series from a csv file

POST /imported/timeseries

Parameters

Type	Name	Description	Schema
------	------	-------------	--------

Responses

HTTP Code	Description	Schema
422	Validation error	List[[NotImportedTimeSeries]]
204	Valid	List[[NotImportedTimeSeries]]
400	Bad Request	List[[NotImportedTimeSeries]]

200	OK	List[[NotImportedTimeSeries]]
-----	----	---

Produces

- /

2.8. LegacyTimeSeries

2.8.1. Get the timeseries definition for the specified id

GET /legacy-timeseries/{id}

Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the timeseries definition	UUID
Query optional	fetchStates	Should fetch states	

Responses

HTTP Code	Description	Schema
200	Ok	LegacyTagDetailsModel
404	The resource was not found	LegacyTagDetailsModel

Produces

- application/json

2.8.2. Get timeseries definition accessibility details.

GET /legacy-timeseries/accessibility

Parameters

Type	Name	Description	Schema
Query required	tagName	The name of the timeseries definition	

Responses

HTTP Code	Description	Schema
200	Ok	LegacyAccessibilityModel

404	The resource was not found	LegacyAccessibilityModel
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Produces

- application/json

2.8.3. Get the timeseries definition by name query parameter.

GET /legacy-timeseries

Parameters

Type	Name	Description	Schema
Query <i>required</i>	tagName	The name of the timeseries definition	
Query <i>optional</i>	fetchStates	Should fetch states	

Responses

HTTP Code	Description	Schema
200	Ok	LegacyTagDetailsModel
404	The resource was not found	LegacyTagDetailsModel

Produces

- application/json

2.8.4. Get all states of the timeseries definition by id query parameter.

GET /legacy-timeseries/{id}/states

Parameters

Type	Name	Description	Schema
Path <i>required</i>	id	The id of the timeseries definition	String

Responses

HTTP Code	Description	Schema
200	Ok	List[[LegacyStateModel]]
404	The resource was not found	List[[LegacyStateModel]]

Produces

- application/json

2.9. MetricsController

GET /datasources/{id}/metrics

==== Parameters

Type	Name	Description	Schema
Path required	id		UUID

==== Responses

HTTP Code	Description	Schema
200	OK	MetricRepresentation

==== Produces

- application/json
- application/hal+json

=== Providers

==== Get a list of all providers and their metadata GET /providers

==== Parameters

Type	Name	Description	Schema
------	------	-------------	--------

==== Responses

HTTP Code	Description	Schema
200	Ok	List[[ProviderMetadataRepresentation]]

==== Produces

- application/json
- application/hal+json

==== Get a provider and its metadata GET /providers/{name}

==== Parameters

Type	Name	Description	Schema
Path required	name		String

==== Responses

HTTP Code	Description	Schema
200	Ok	ProviderMetaDataRepresentation

==== Produces

- application/json
- application/hal+json

=== TimeSeries

==== EXPERIMENTAL - basic search **POST** /timeseries/basicsearch

==== Parameters

Type	Name	Description	Schema
Body <i>required</i>	BasicSearchRequest		[BasicSearchRequest]

==== Responses

HTTP Code	Description	Schema
200	OK	CollectionModelTimeSeriesDefinitionRepresentation

==== Produces

- application/json
- application/hal+json

==== EXPERIMENTAL - advanced search **POST** /timeseries/advancedsearch

==== Parameters

Type	Name	Description	Schema
Body <i>required</i>	AdvancedSearchRequest		[AdvancedSearchRequest]

==== Responses

HTTP Code	Description	Schema
200	OK	CollectionModelTimeSeriesDefinitionRepresentation

==== Produces

- application/json
- application/hal+json

==== Search the time series definition by name and description patterns **GET**
[/timeseries/advanced](#)

==== Parameters

Type	Name	Description	Schema
Query <i>optional</i>	nameSearchPattern	Pattern to search time series definitions by name.	
Query <i>optional</i>	descriptionSearchPattern	Pattern to search time series definitions by description.	
Query <i>optional</i>	historians	Pattern to search time series definitions by description	
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

==== Responses

HTTP Code	Description	Schema
200	Ok	PagedModelTimeSeriesDefinitionRepresentation

==== Produces

- application/json
- application/hal+json

==== Check whether the logged in user is allowed to read the time series. **GET**
[/timeseries/{id}/accessibility](#)

==== Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the time series definition	UUID

==== Responses

HTTP Code	Description	Schema
200	Ok	String

==== Produces

- application/json

==== Create a new time series definition. **POST** /timeseries

==== Parameters

Type	Name	Description	Schema
Body required	TimeSeriesDefinitionModel		[TimeSeriesDefinitionModel]

==== Responses

HTTP Code	Description	Schema
400	Bad Request	TimeSeriesDefinitionRepresentation
201	Created	TimeSeriesDefinitionRepresentation

==== Produces

- application/json

==== Delete time series definitions. **DELETE** /timeseries/{ids}

==== Parameters

Type	Name	Description	Schema
Path required	ids	The id's of the time series	UUID

==== Responses

HTTP Code	Description	Schema
204	No content	
404	The resource was not found	

==== Deletes a time series definition by datasource id and external id **DELETE** /timeseries

==== Parameters

Type	Name	Description	Schema
Query <i>required</i>	datasourceId	The identifier of the datasource	
Query <i>required</i>	externalId	The external identifier of the time series.	

==== Responses

HTTP Code	Description	Schema
204	No content	
404	The resource was not found	

==== Get the value mapping for the specified time series, string or int value. If stringValue is present and autocreate=true - new value mapping entry will be created `GET /timeseries/{id}/valuemapping`

==== Parameters

Type	Name	Description	Schema
Path <i>required</i>	id	The identifier of the time series definition	UUID
Query <i>optional</i>	intValue	Int value of value mapping	
Query <i>optional</i>	stringValue	String value of value mapping	
Query <i>optional</i>	autocreate	Create new value mapping if string value is not present for requested time series definition	

==== Responses

HTTP Code	Description	Schema
200	Ok	TimeSeriesValueMapping Representation
404	The resource was not found	TimeSeriesValueMapping Representation

==== Produces

- application/json

==== Get the time series definition for the specified identifier. [GET /timeseries/{id}](#)

===== Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the time series definition	UUID

===== Responses

HTTP Code	Description	Schema
200	Ok	TimeSeriesDefinitionRepresentation
404	The resource was not found	TimeSeriesDefinitionRepresentation

===== Produces

- application/json

==== Get the time series definition for the specified identifier with dependency tree. [GET /timeseries/{id}/dependency-tree](#)

===== Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the time series definition	UUID

===== Responses

HTTP Code	Description	Schema
200	Ok	TimeSeriesDependencyTreeDefinitionRepresentation
404	The resource was not found	TimeSeriesDependencyTreeDefinitionRepresentation

===== Produces

- application/json

==== Get the time series definition by external id for the specified identifier with dependency tree. [GET /timeseries/dependency-tree](#)

===== Parameters

Type	Name	Description	Schema
------	------	-------------	--------

Query <i>required</i>	datasourceId	The identifier of the datasource.	
Query <i>required</i>	externalId	The external identifier of the time series definition	
Query <i>optional</i>	deletedAllowed	Allow deleted time series definition	

==== Responses

HTTP Code	Description	Schema
200	Ok	TimeSeriesDependencyTreeDefinitionRepresentation
404	The resource was not found	TimeSeriesDependencyTreeDefinitionRepresentation

==== Produces

- application/json

==== Get the time series definitions relations. [GET /timeseries/relations](#)

==== Parameters

Type	Name	Description	Schema
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc desc). Default sort order is ascending. Multiple sort criteria are supported.	

==== Responses

HTTP Code	Description	Schema
200	Ok	PagedModelTimeSeriesRelationRepresentation

==== Produces

- application/json

==== Get all digital states for the specified time series. [GET /timeseries/{id}/valuesmapping](#)

==== Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the time series definition	UUID
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.

==== Responses

HTTP Code	Description	Schema
200	Ok	PagedModelTimeSeriesValueMappingRepresentation
404	The resource was not found	PagedModelTimeSeriesValueMappingRepresentation

==== Produces

- application/json
- application/hal+json

==== Get the digital states by intValue for the specified time series. [POST /timeseries/{id}/valuesmapping](#)

==== Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the time series definition	UUID

Body <i>required</i>	ValueMappingRequestModel	Model containing the identifiers of the value mappings in a int list	[ValueMappingRequestModel]
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==== Responses

HTTP Code	Description	Schema
200	Ok	List[[TimeSeriesValueMappingRepresentation]]
404	The resource was not found	List[[TimeSeriesValueMappingRepresentation]]

==== Produces

- application/json
- application/hal+json

==== Effective index horizon [GET /timeseries/indexhorizon](#)

==== Parameters

Type	Name	Description	Schema
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==== Responses

HTTP Code	Description	Schema
200	OK	IndexHorizonRepresentation

==== Produces

- application/json

==== Search the time series definition with rsql. [POST /timeseries/search](#)

==== Parameters

Type	Name	Description	Schema
Query <i>optional</i>	deletedAllowed	True if deleted time series should be returned	
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	

Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.
[String]	Body <i>required</i>	RsqlRequest	

==== Responses

HTTP Code	Description	Schema
200	OK	PagedModelTimeSeriesDefinitionRepresentation

==== Produces

- application/json
- application/hal+json

==== Search the time series definitions **GET /timeseries**

==== Parameters

Type	Name	Description	Schema
Query <i>optional</i>	searchPattern	Pattern to search time series definitions. Cannot be used at the same time as name parameter.	
Query <i>optional</i>	name	The name of the time series definitions to search for. Cannot be used at the same time as searchPattern parameter.	
Query <i>optional</i>	deletedAllowed	Allow deleted time series definition	
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	

Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.
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==== Responses

HTTP Code	Description	Schema
200	Ok	PagedModelTimeSeriesDefinitionRepresentation

==== Produces

- application/json
- application/hal+json

==== Search digital states for the specified time series with rsql. **POST** /timeseries/{id}/valuesmapping/search

==== Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the time series definition	UUID
Query <i>optional</i>	page	Zero-based page index (0..N)	
Query <i>optional</i>	size	The size of the page to be returned	
Query <i>optional</i>	sort	Sorting criteria in the format: property,(asc	desc). Default sort order is ascending. Multiple sort criteria are supported.
[String]	Body <i>required</i>	RsqlRequest	

==== Responses

HTTP Code	Description	Schema
200	Ok	PagedModelTimeSeriesValueMappingRepresentation

404	The resource was not found	PagedModelTimeSeriesValueMappingRepresentation
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==== Produces

- application/json
- application/hal+json

==== Update a time series definition. **PUT** /timeseries/{id}

==== Parameters

Type	Name	Description	Schema
Path required	id	The identifier of the time series definition	UUID
Body required	TimeSeriesDefinitionModel		[TimeSeriesDefinitionModel]

==== Responses

HTTP Code	Description	Schema
200	Ok	TimeSeriesDefinitionRepresentation
400	Bad Request	TimeSeriesDefinitionRepresentation
404	The resource was not found	TimeSeriesDefinitionRepresentation
201	Created	TimeSeriesDefinitionRepresentation

==== Produces

- application/json

==== Update a time series definition by datasource id and external id. **PUT** /timeseries

==== Parameters

Type	Name	Description	Schema
Query required	datasourceId	The identifier of the datasource	
Query required	externalId	The external identifier of the time series.	

Body <i>required</i>	TimeSeriesDefinitionModel		[TimeSeriesDefinitionModel]
--------------------------------	----------------------------------	--	---

==== Responses

HTTP Code	Description	Schema
200	Ok	TimeSeriesDefinitionRepresentation
400	Bad Request	TimeSeriesDefinitionRepresentation
404	The resource was not found	TimeSeriesDefinitionRepresentation
201	Created	TimeSeriesDefinitionRepresentation

==== Produces

- application/json

== Models

=== *AdvancedSearchRequest*

Field Name	Required	Type	Description	Format
name		String		
description		String		
datasources		List of [UUID]		uuid

=== *Asset*

Field Name	Required	Type	Description	Format
identifier		String		
parentIdentifier		String		
type		String		
template		Template		
data		Data		
name		String		
description		String		

=== *AssetRepresentation*

Field Name	Required	Type	Description	Format
identifier		String		
parentIdentifier		String		
type		String		
children		List of [Asset]		
template		Template		
data		oneOf<DataReferenceData, NumericData, StringArrayData, StringData>		
name		String		
description		String		
links		List of [Link]		

=== *BasicSearchRequest*

Field Name	Required	Type	Description	Format
query	X	String		
datasources		List of [UUID]		uuid

=== *BoolCapabilityProperty*

Field Name	Required	Type	Description	Format
name		String		
label		String		
type		String		<i>Enum:</i> SINGLE_LINE, MULTI_LINE, BOOL, DROPDOWN, BOOListGroup,
capabilities		List of [string]		<i>Enum:</i>
required		Boolean		

=== *BoolGroupCapabilityProperty*

Field Name	Required	Type	Description	Format
name		String		
label		String		
type		String		<i>Enum:</i> SINGLE_LINE, MULTI_LINE, BOOL, DROPDOWN, BOOL_GROUP,
capabilities		List of [string]		<i>Enum:</i>
required		Boolean		
groupType		String		

=== *BoolGroupCapabilityPropertyAllOf*

Field Name	Required	Type	Description	Format
groupType		String		

=== *CapabilitiesModel*

Field Name	Required	Type	Description	Format
canChangeInterpolationType		Boolean		

=== *CapabilityProperty*

Field Name	Required	Type	Description	Format
name		String		
label		String		
type		String		<i>Enum:</i> SINGLE_LINE, MULTI_LINE, BOOL, DROPDOWN, BOOL_GROUP,

Field Name	Required	Type	Description	Format
capabilities		List of [string]		<i>Enum:</i>
required		Boolean		

=== *CollectionModelTimeSeriesDefinitionRepresentation*

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [TimeSeriesDefinitionRepresentation]		

=== *Component*

Field Name	Required	Type	Description	Format
identifier		String		
type		String		<i>Enum:</i> TAG, ATTRIBUTE, ASSET,

=== *ComponentModel*

Field Name	Required	Type	Description	Format
identifier		String		
type		String		

=== *ConfigurationItemRepresentation*

Field Name	Required	Type	Description	Format
name		String		
value		String		
description		String		
createdBy		String		
createOn		Date		date-time
modifiedBy		String		

Field Name	Required	Type	Description	Format
modifiedOn		Date		date-time
links		List of [Link]		

=== *ConnectionStatus*

Field Name	Required	Type	Description	Format
healthy		Boolean		

=== *ConnectionTest*

Field Name	Required	Type	Description	Format
networkLatency		Long		int64
connectionSpeed		Long		int64
retriesCount		Long		int64

=== *ConnectorModel*

Field Name	Required	Type	Description	Format
name	X	String		
description		String		
host	X	String		
username		String		
password		String		
maxConnections		Integer		int32

=== *ConnectorRepresentation*

Field Name	Required	Type	Description	Format
name		String		
description		String		

Field Name	Required	Type	Description	Format
status		String		Enum: ACTIVE, DELETED, SYNC_IN_PROGRESS, SYNC_ERROR, NOT_SYNCABLE,
statusDescription		String		
host		String		
username		String		
password		String		
syncedBy		String		
syncedOn		Date		date-time
createdBy		String		
createOn		Date		date-time
modifiedBy		String		
modifiedOn		Date		date-time
connectorId		UUID		uuid
links		List of Link		

=== *ContextChange*

Field Name	Required	Type	Description	Format
changedItem		ContextItem		
changeType		String		Enum: ADD, MODIFY, DELETE,

=== *ContextItem*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		
description		String		
type		ContextTypeItem		
events		List of [Event]		
components		List of [Component]		
fields		List of [map]		
keywords		List of [string]		
lastModifiedDate		String		
errors		List of [Error]		

=== *ContextItemRepresentation*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		
description		String		
type		ContextTypeItem Model		
events		List of [EventModel]		
components		List of [ComponentModel]		
fields		List of [map]		
keywords		List of [string]		
lastModifiedDate		String		
errors		List of [ErrorModel]		
links		List of [Link]		

=== *ContextTypeItem*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		

Field Name	Required	Type	Description	Format
workflowIdentifier		String		

=== *ContextTypeItemModel*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		
workflowIdentifier		String		

=== *ContextTypeRepresentation*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		
workflow		IdentifierModel		
color		String		
fields		List of [IdentifierModel]		
links		List of [Link]		

=== *CursorPageMetadata*

Field Name	Required	Type	Description	Format
size		Long		int64
hasNext		Boolean		
continuationToken		String		

=== *CursorPagedModelEventFieldRepresentation*

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [EventFieldRepresentation]		
page		CursorPageMetadata		

=== *CursorPagedModelEventRepresentation*

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [EventRepresentation]		
page		CursorPageMetadata		

=== *CursorPagedModelEventTypeRepresentation*

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [EventTypeRepresentation]		
page		CursorPageMetadata		

=== *CursorPagedResourcesContextChange*

Field Name	Required	Type	Description	Format
content		List of [ContextChange]		
nextPage		String		

=== *Data*

Field Name	Required	Type	Description	Format
type		String		<i>Enum:</i> DATA_REFERENCE, STRING_ARRAY, NUMERIC, STRING,
value		Object		

=== *DataReferenceData*

Field Name	Required	Type	Description	Format
type		String		Enum: DATA_REFERENCE, STRING_ARRAY, NUMERIC, STRING,
value		String		

=== *DataReferenceDataAllOf*

Field Name	Required	Type	Description	Format
value		String		

=== *DatasourceModel*

Field Name	Required	Type	Description	Format
type	X	String		
name	X	String		
description		String		
connectorId		UUID		uuid
datasourceId		UUID		uuid
maxConnections		Integer		int32
onlySupportsRaw Values		Boolean		
maxPlotPeriodIn Days		Integer		int32
capabilityTypes		Set of [string]		
providerTypeProperties		Set of [ProviderTypePropertyModel]		

=== *DatasourceRepresentation*

Field Name	Required	Type	Description	Format
type		String		
name		String		
description		String		

Field Name	Required	Type	Description	Format
maxConnections		Integer		int32
onlySupportsRaw Values		Boolean		
status		String		<i>Enum:</i> ACTIVE, DELETED, SYNC_IN_PROGRESS, SYNC_ERROR, NOT_SYNCABLE, ,
statusDescription		String		
syncedBy		String		
syncedOn		Date		date-time
createdBy		String		
createOn		Date		date-time
modifiedBy		String		
modifiedOn		Date		date-time
indexingGranularity		String		
maxPlotPeriodIn Days		Integer		int32
capabilityTypes		Set of [string]		<i>Enum:</i>
connectorId		UUID		uuid
providerTypeProperties		Set of [ProviderTypePropertyRepresentation]		
builtin		Boolean		
datasourceId		UUID		uuid
links		List of [Link]		

=== *Dependency*

Field Name	Required	Type	Description	Format
identifier		UUID		uuid
externalIdentifier		String		
datasourceIdentifier		UUID		uuid
datasourceType		String		
dependents		List of [Dependency]		
dependencies		List of [Dependency]		

=== *DropDownCapabilityProperty*

Field Name	Required	Type	Description	Format
name		String		
label		String		
type		String		<i>Enum:</i> SINGLE_LINE, MULTI_LINE, BOOL, DROPDOWN, BOOL_GROUP,
capabilities		List of [string]		<i>Enum:</i>
required		Boolean		
options		List of [DropDownOption]		

=== *DropDownCapabilityPropertyAllOf*

Field Name	Required	Type	Description	Format
options		List of [DropDownOption]		

=== *DropDownOption*

Field Name	Required	Type	Description	Format
key		String		
value		String		

=== *Error*

Field Name	Required	Type	Description	Format
type		String		
key		String		
message		String		

=== *ErrorModel*

Field Name	Required	Type	Description	Format
type		String		
key		String		
message		String		

=== *Event*

Field Name	Required	Type	Description	Format
identifier		String		
occurred		String		
state		String		

=== *EventFieldRepresentation*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		
type		String		<i>Enum:</i> STRING, NUMERIC, ENUMERATION,
placeholder		String		
options		List of [string]		
links		List of [Link]		

=== *EventModel*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		
description		String		
type		EventTypeModel		
state		String		
occurredAt		Date		date-time
modifiedAt		Date		date-time
components		List of [ComponentModel]		
fields		List of [map]		
keywords		List of [string]		
errors		List of [ErrorModel]		
groupingKey		String		

=== *EventRepresentation*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		
description		String		
type		EventType		
state		String		
occurredAt		Date		date-time
modifiedAt		Date		date-time
components		List of [Component]		
fields		List of [map]		
keywords		List of [string]		
errors		List of [Error]		
groupingKey		String		

Field Name	Required	Type	Description	Format
links		List of [Link]		

=== *EventType*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		
color		String		
startState		String		
endState		String		
states		List of [string]		
fields		List of [Identifier]		

=== *EventTypeModel*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		
color		String		
startState		String		
endState		String		
states		List of [string]		
fields		List of [IdentifierModel]		
write		Boolean		

=== *EventTypeRepresentation*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		
color		String		
startState		String		
endState		String		
states		List of [string]		
fields		List of [Identifier]		

Field Name	Required	Type	Description	Format
links		List of [Link]		

=== *FieldRepresentation*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		
type		String		
placeholder		String		
options		List of [string]		
links		List of [Link]		

=== *HistorianDetailsModel*

Field Name	Required	Type	Description	Format
dbId		String		
name		String		
server		String		

=== *Identifier*

Field Name	Required	Type	Description	Format
identifier		String		

=== *IdentifierModel*

Field Name	Required	Type	Description	Format
identifier		String		

=== *ImportedTimeSeriesRepresentation*

Field Name	Required	Type	Description	Format
identifier		UUID		uuid
name		String		
description		String		
unitOfMeasurement		String		

Field Name	Required	Type	Description	Format
timeSeriesType		String		Enum: ANALOG, DIGITAL, DISCRETE, STRING,
createOn		Date		date-time
links		List of [Link]		

=== *IndexHorizonRepresentation*

Field Name	Required	Type	Description	Format
links		List of [Link]		
horizon		Date		date-time

=== *LegacyAccessibilityModel*

Field Name	Required	Type	Description	Format
accessibility		String		Enum: accessible, denied, deleted, undefined,

=== *LegacyStateModel*

Field Name	Required	Type	Description	Format
Name		String		
Code		Integer		int32
Offset		Integer		int32

=== *LegacyTagDetailsModel*

Field Name	Required	Type	Description	Format
id		String		

Field Name	Required	Type	Description	Format
name		String		
description		String		
interpolationType		String		
units		String		
source		String		
startDate		Date		date-time
endDate		Date		date-time
deleted		Boolean		
capabilities		CapabilitiesModel		
historian		HistorianDetailsModel		
Type		String		
States		List of [LegacyStateModel]		
type		String		
Name		String		
TagName		String		

=== *Link*

Field Name	Required	Type	Description	Format
rel		String		
href		String		
hreflang		String		
media		String		
title		String		
type		String		
deprecation		String		
profile		String		
name		String		

=== *MetricRepresentation*

Field Name	Required	Type	Description	Format
datasourceId		UUID		uuid
datasourceIndex95pInMillis		Long		int64
datasourceIndex50pInMillis		Long		int64
datasourcePlot95pInMillis		Long		int64
datasourcePlot50pInMillis		Long		int64
datasourceSync95pInMillis		Long		int64
datasourceSync50pInMillis		Long		int64
connectorId		UUID		uuid
connectorIndex95pInMillis		Long		int64
connectorIndex50pInMillis		Long		int64
connectorPlot95pInMillis		Long		int64
connectorPlot50pInMillis		Long		int64
connectorSync50pInMillis		Long		int64
connectorSync95pInMillis		Long		int64
links		List of [Link]		

=== *MultiLineCapabilityProperty*

Field Name	Required	Type	Description	Format
name		String		
label		String		

Field Name	Required	Type	Description	Format
type		String		Enum: SINGLE_LINE, MULTI_LINE, BOOL, DROPDOWN, BOOLEAN, GROUP,
capabilities		List of [string]		Enum:
required		Boolean		
placeholder		String		

=== *MultiLineCapabilityPropertyAllOf*

Field Name	Required	Type	Description	Format
placeholder		String		

=== *NotImportedTimeSeries*

Field Name	Required	Type	Description	Format
tagName		String		
reason		String		
details		Map of [string]		

=== *NumericData*

Field Name	Required	Type	Description	Format
type		String		Enum: DATA_REFERENCE, STRING_ARRAY, NUMERIC, STRING,
value		BigDecimal		

=== *NumericDataAllOf*

Field Name	Required	Type	Description	Format
value		BigDecimal		

=== PageMetadata

Field Name	Required	Type	Description	Format
size		Long		int64
totalElements		Long		int64
totalPages		Long		int64
number		Long		int64

=== PagedModelConfigurationItemRepresentation

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [ConfigurationItemRepresentation]		
page		PageMetadata		

=== PagedModelConnectorRepresentation

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [ConnectorRepresentation]		
page		PageMetadata		

=== PagedModelContextItemRepresentation

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [ContextItemRepresentation]		
page		PageMetadata		

=== PagedModelContextTypeRepresentation

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [ContextTypeRepresentation]		
page		PageMetadata		

=== *PagedModelDatasourceRepresentation*

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [DatasourceRepresentation]		
page		PageMetadata		

=== *PagedModelFieldRepresentation*

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [FieldRepresentation]		
page		PageMetadata		

=== *PagedModelImportedTimeSeriesRepresentation*

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [ImportedTimeSeriesRepresentation]		
page		PageMetadata		

=== *PagedModelTimeSeriesDefinitionRepresentation*

Field Name	Required	Type	Description	Format
links		List of [Link]		

Field Name	Required	Type	Description	Format
content		List of [TimeSeriesDefinitionRepresentation]		
page		PageMetadata		

=== *PagedModelTimeSeriesRelationRepresentation*

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [TimeSeriesRelationRepresentation]		
page		PageMetadata		

=== *PagedModelTimeSeriesValueMappingRepresentation*

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [TimeSeriesValueMappingRepresentation]		
page		PageMetadata		

=== *PagedModelWorkflowRepresentation*

Field Name	Required	Type	Description	Format
links		List of [Link]		
content		List of [WorkflowRepresentation]		
page		PageMetadata		

=== *ProviderMetaDataReaderRepresentation*

Field Name	Required	Type	Description	Format
name		String		
label		String		

Field Name	Required	Type	Description	Format
experimental		Boolean		
connectors		List of [string]		
capabilities		Set of [string]		Enum:
properties		List of BoolGroupCapabilityProperty, DropDownCapabilityProperty, MultiLineCapabilityProperty, SingleLineCapabilityProperty>		
links		List of [Link]		

=== ProviderTypePropertyModel

Field Name	Required	Type	Description	Format
name	X	String		
value		String		
encrypted		Boolean		

=== ProviderTypePropertyRepresentation

Field Name	Required	Type	Description	Format
name		String		
value		String		
encrypted		Boolean		
links		List of [Link]		

=== RsqlRequest

Field Name	Required	Type	Description	Format
query	X	String		

=== SingleLineCapabilityProperty

Field Name	Required	Type	Description	Format
name		String		
label		String		

Field Name	Required	Type	Description	Format
type		String		<i>Enum:</i> SINGLE_LINE, MULTI_LINE, BOOL, DROPDOWN, BOOL_GROUP,
capabilities		List of [string]		<i>Enum:</i>
required		Boolean		
placeholder		String		
encrypted		Boolean		

=== *SingleLineCapabilityPropertyAllOf*

Field Name	Required	Type	Description	Format
placeholder		String		
encrypted		Boolean		

=== *StringArrayData*

Field Name	Required	Type	Description	Format
type		String		<i>Enum:</i> DATA_REFERENCE, STRING_ARRAY, NUMERIC, STRING,
value		List of [string]		

=== *StringArrayDataAllOf*

Field Name	Required	Type	Description	Format
value		List of [string]		

=== *StringData*

Field Name	Required	Type	Description	Format
type		String		Enum: DATA_REFERENCE, STRING_ARRAY, NUMERIC, STRING,
value		String		

=== *Template*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		

=== *TimeSeriesDefinitionModel*

Field Name	Required	Type	Description	Format
id		UUID		uuid
datasourceId	X	UUID		uuid
externalId		String		
name	X	String		
description		String		
type	X	String		Enum: ANALOG, DIGITAL, DISCRETE, STRING,
dependentTimeSeriesDefinitions		List of [UUID]		uuid

=== *TimeSeriesDefinitionRepresentation*

Field Name	Required	Type	Description	Format
datasourceId		UUID		uuid
ownerId		String		

Field Name	Required	Type	Description	Format
externalId		String		
name		String		
description		String		
type		String		
units		String		
interpolationType		String		
datasourceType		String		
deleted		Boolean		
plotDataUrl		String		
indexDataUrl		String		
links		List of [Link]		
id		UUID		uuid

=== *TimeSeriesDependencyTreeDefinitionRepresentation*

Field Name	Required	Type	Description	Format
dependents		List of [Dependency]		
dependencies		List of [Dependency]		
links		List of [Link]		

=== *TimeSeriesRelationRepresentation*

Field Name	Required	Type	Description	Format
timeSeriesId		UUID		uuid
timeSeriesExternalId		String		
timeSeriesDataSourceId		UUID		uuid
relationTimeSeriesId		UUID		uuid
relationTimeSeriesExternalId		String		
relationTimeSeriesDataSourceId		UUID		uuid
links		List of [Link]		

=== *TimeSeriesValueMappingRepresentation*

Field Name	Required	Type	Description	Format
timeSeriesId		UUID		uuid
stringValue		String		
intValue		Integer		int32
links		List of [Link]		

=== *ValueMappingRequestModel*

Field Name	Required	Type	Description	Format
intValues		List of [integer]		int32

=== *VersionInfo*

Field Name	Required	Type	Description	Format
version		String		

=== *WorkflowRepresentation*

Field Name	Required	Type	Description	Format
identifier		String		
name		String		
startState		String		
endState		String		
states		List of [string]		
links		List of [Link]		

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