



epidata 
deploying ideas



Technical Documentation



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Sentilo Connector Reference

Default Configuration - Basic Auth/Token

Parameters

Name	Type	Description	Default Value	Required
Token	String	Authorization Token to use certain functions in Sentilo. A token is entered for the use of the platform.		x
Url of the platform	String	The URL that uses the Sentilo services.		x

Throws

SEN TILO:INCORRECT_CREDENTIALS
SEN TILO:UNKNOWN

Supported Operations

- Put data
- Put data id sensor
- Get data
- Get data id sensor
- Delete data
- Delete data id sensor
- Put alarm
- Get alarm
- Create alert
- Get alert

- Update alert
- Delete alert
- Delete put alert
- Get subscription
- Put subscription sensor data
- Put subscription alert

Operations

Put data

<sentilo:put-data>

This action allows a provider to publish details of the observations made by more than one sensor in a single message.

Parameters

Name	Type	Description	Default Value	Required
Entity Type	String	Default metadata	Name schema	
Body Reference	InputStream	Data of a request	#[payload]	x
Id Provider	String	Id of the specific provider		x

Output

No response.

For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Put data id sensor

<sentilo:put-data-id-sensor>

This action allows a provider to publish the observations made by one of its sensors.

Parameters

Name	Type	Description	Default Value	Required
Entity Type	String	Default metadata	Name schema	
Body Reference	InputStream	Data of a request	#[payload]	x
Id Provider	String	Id of the specific provider		x
Id Sensor	String	Id of the specific sensor		x

Output

No response.

For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Get data

<sentilo:get-data>

This action allows to retrieve the latest observations of the sensors of a provider. In addition, the service can also specify search criterias to retrieve observations: filter by a given time period and / or to indicate the maximum number of observations to be recovered.

Parameters

Name	Type	Description	Default Value	Required
From	String	Indicates the beginning of the time period for which you want to <ul style="list-style-type: none"> retrieve the observations. 		
Id Provider	String	Id of the specific provider	#[payload]	x
Limit	String	Specifies the maximum number of observations for each sensor to <ul style="list-style-type: none"> recover. 		
To	String	Indicates the end of the time period for which you want to <ul style="list-style-type: none"> retrieve the observations. 		

Output

Type	InputStream
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For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS

- SENTILO:UNKNOWN

Get data id sensor

<sentilo:get-data-id-sensor>

This action allows you to retrieve the latest observations of a sensor. In addition, the service can also permits to specify search criteria to retrieve observations: filter by a given time period and / or to indicate the maximum number of observations to be retrieved.

Parameters

Name	Type	Description	Default Value	Required
From	String	Indicates the beginning of the time period for which you want to <ul style="list-style-type: none"> • retrieve the observations. 		
Id Provider	String	Id of the specific provider	#[payload]	x
Id Sensor	String	Id of the specific sensor		
Limit	String	Specifies the maximum number of observations for each sensor to <ul style="list-style-type: none"> • recover. 		
To	String	Indicates the end of the time period for which you want to <ul style="list-style-type: none"> • retrieve the observations. 		

Output

Type	InputStream
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For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Delete data

<sentilo:delete-data>

This action allows to delete observations made by one or several sensors of a provider.

Parameters

Name	Type	Description	Default Value	Required
Id Provider	String	Id of the specific provider	#[payload]	x

Output

No response.

For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Delete data id sensor

<sentilo:delete-data-id-sensor>

This action eliminates the observations made by a sensor of a provider.

Parameters

Name	Type	Description	Default Value	Required
Id Provider	String	Id of the specific provider	#[payload]	x
Id Sensor	String	Id of the specific sensor		x

Output

No response.

For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Put alarm

<sentilo:put-alarm>

This action allows you to publish an alarm related with an alert. Once the system receives the alarm, persists it and sends the notification to all who are subscribed to alarms alert.

Parameters

Name	Type	Description	Default Value	Required
Entity Type	String	Default metadata	Name schema	
Body Reference	InputStream	Data of a request	#[payload]	x

Id Alert	String	Id of the specific Alert		x
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Output

No response.

For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Get alarm

<sentilo:get-alarm>

This action allows to retrieve the latest alarms related with an alert. In addition, the service can also specify search criterias to retrieve alarms: filter by a given time period and/or indicate the maximum number of alarms to be retrieved.

Parameters

Name	Type	Description	Default Value	Required
From	String	Indicates the starting of the time period for which you want to retrieve alarms.		
Id Alert	String	Id of the specific Alert	#[payload]	x
Limit	String	Specifies the maximum number of alarms to recover.		

To	String	Indicates the end of the time period for which you want to retrieve alarms		
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Output

Type	InputStream
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For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Create alert

<sentilo:create-alert>

This action allows to register one or more new alerts in the catalog.

Parameters

Name	Type	Description	Default Value	Required
Entity Type	String	Default metadata	Name schema	
Body Reference	InputStream	Data of a request	#[payload]	x
Id Entity	String	Related entity identifier associated with the alert		x

Output

No response.

For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Get alert

<sentilo:get-alert>

This action returns the list of alerts for which the entity_id could do a subscription, i.e., alerts that belongs to entity_id or alerts for which entity_id has read permission over its owner. In addition, the service also allows you to specify search criteria to filter alerts to be retrieved: filter by alert type and / or filter by trigger type.

Parameters

Name	Type	Description	Default Value	Required
Id Entity	String	Indicates the starting of the time period for which you want to retrieve alarms.	#[payload]	x
Trigger	String	Trigger type		
Type	String	Alert type		

Output

Type	InputStream
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For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Update alert

<sentilo:update-alert>

This action allows to update one or more alerts in the catalog.

Parameters

Name	Type	Description	Default Value	Required
Entity Type	String	Default metadata	Name schema	
Body Reference	InputStream	Data of a request	#[payload]	x
Id Entity	String			x

Output

No response.

For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Delete alert

<sentilo:delete-alert>

This action allows to delete alerts from the catalog. The internal alerts can only be deleted using the Catalog's token or through the Catalog console. The external alerts can only be removed using the entity's owner token.

Parameters

Name	Type	Description	Default Value	Required
Id Entity	String	Id Entity can be also an Application or a Provider too	#[payload]	x

- DELETE will be used if we want to delete all of our alerts. It cannot contain any body content.

Output

No response.

For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Delete put alert

<sentilo:delete-put-alert>

This action allows to delete alerts from the catalog. The internal alerts can only be deleted using the Catalog's token or through the Catalog console. The external alerts can only be removed using the entity's owner token.

Parameters

Name	Type	Description	Default Value	Required
Entity Type	String	Default metadata	Name schema	x
Body Reference	InputStream	Data of a request	#[payload]	
Id Entity	String	Id Entity can be also an Application or a Provider too		

- PUT will be used when we want to delete a group of alerts. We should add the parameter method with delete value to the request . In this case, the alerts to delete should be specified in the body message.

Output

No response.

For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Get Subscription

<sentilo:get-subscription>

This action allows to retrieve the list of all our active subscriptions. Additionally, we can retrieve only subscriptions from a specific type.

Parameters

Name	Type	Description	Default Value	Required
Event Type	String	Event Type is optional and allows to filter the subscription by type.	#[payload]	x

Output

Type	InputStream
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For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Put subscription sensor data

<sentilo:put-subscription-sensor-data>

This action allows to subscribe to observation data associated to sensors.

Parameters

Name	Type	Description	Default Value	Required
Entity Type	String	Default metadata	Name schema	
Body Reference	InputStream	Data of a request	#[payload]	x
Id Provider	String	Id of the specific Provider		x
Id Sensor	String	Id of the specific Sensor		x

Output

No response.

For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN

Put subscription alert

<sentilo:put-subscription-alert>

This action allows to subscribe to alarms associated to sensors.

Parameters

Name	Type	Description	Default Value	Required
Entity Type	String	Default metadata	Name schema	
Body Reference	InputStream	Data of a request	#[payload]	x
Id Alert	String	Id of the specific Alert		x

Output

No response.

For Configurations

- sentilo-config

Throws

- SENTILO:INCORRECT_CREDENTIALS
- SENTILO:UNKNOWN