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# Configuration Layer Objects Reference Guide

CfgFilter

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# CfgFilter

## Description

Use *Filters* to specify conditions for data selection from a data repository (for example, from a database table).

## Filter Keys

Filter Name	Type	Description
dbid	int	A unique identifier of the filter. If specified, configuration server will return information only about this filter.
tenant_dbid	int	A unique identifier of the tenant. If specified, Configuration server will return information only about the filter(s) that belong to this tenant.
name	string	Name of a filter. Shall be specified as a character string. If specified, Configuration Server will return information only about the filter(s) with that name.
format_dbid	int	A unique identifier of format this filter relates to. If specified, Configuration Server will return information only about the filter(s) with that format.
state	int	Current state of the filter (See <a href="#">CfgObjectState</a> ). If specified, Configuration Server will return information only about the filter(s) that are currently in this state.

## Attributes

- DBID — An identifier of this object in the Configuration Database. Generated by Configuration Server and is unique within an object type. Identifiers of deleted objects are not used again. Read-only.
- tenantDBID — A unique identifier of the [CfgTenant](#) to which this filter is allocated. Mandatory. Once

specified, cannot be changed.

- name — A pointer to filter name. Must be unique within tenant environment. Mandatory.
- description — A pointer to filter description.
- formatDBID — A unique identifier of **CfgFormat** to which this filter is dedicated. Once specified cannot be changed. Mandatory.
- state — Current object state. Mandatory. Refer to **CfgObjectState**.
- userProperties — A pointer to the list of user-defined properties. Parameter userProperties has the following structure: Each key-value pair of the primary list (TKVList \*userProperties) uses the key for the name of a user-defined section, and the value for a secondary list, that also has the TKVList structure and specifies the properties defined within that section. Among other properties must include kv-pair that specifies the filter sequence which application can use to read information from data table having specified format.

## Comments

Filter used by Outbound applications is defined by two kv-pairs that must be present in userProperties under default section:

Two ways of editing are provided:

- Automated. The user has a list of fields and is able to create expressions using GUI-like any SQL wizard. The only simple expressions are created i.e., list of <field>, <sign>, and <value> separated by AND and OR
- Manual (Advanced). The user types the statement manually and is totally responsible for the correct syntax.

If value of kv-pair exceeds character string limit ( >255 symbols) the string has to be separated into two or more strings. Two or more kv-pairs with same names have to be used to locate such string in userProperties.

The order of kv-pairs in userProperties is defined by application the filter is intended to. String concatenation is application responsibility.

Deletion of Filter X will cause the following events set out in the order of arrival:

- Modification of filterDBID of all calling lists that refer on the Filter X
- Deletion of Filter X

## XML Representation

Tip

This XML was created using the Configuration Server 7.5 schema.

```
<CfgFilter>
  <DBID value="101" />
  <tenantDBID value="101" />
  <name value="Test_Filter" />
  <formatDBID value="104" />
  <state value="1" />
</CfgFilter>
```

## See Also

[CfgDeltaFilter](#)

[CfgTableAccess](#)

[CfgFormat](#)