

Query Types for the Creation of Rule Templates

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The following query types are available to create a rule template, each allowing a different form of instantiation.

Name	Description	Domain	Example	Reference
Dimension element like	Set of elements from one dimension where the element name matches a regular expression pattern. Each matching element is returned as a record. If the regular expression pattern contains groups (also known as parenthesized subpatterns) the matching groups are returned, too.			
Parameters	Dimension	db_dimension	Version	
	Pattern	regex	^(Budget Forecast)	
	The example filters for all version starting with Budget or Forecast and will thus match elements like Forecast 3+9 or Budget 2013.			
Result	Cube			
	Dimension			
	Element			
	Group1			
	Group2			
	...			
	Up to 8 additional groups are possible.			

Name	Description	Domain	Example	Reference
Dimension element like (list)	Set of elements from one dimension where the element name matches a regular expression pattern. All matching elements are returned as a list in one record.			
Parameters	Dimension	db_dimension	Version	
	Pattern	regex	^(Budget Forecast)	
	The example filters for all version starting with Budget or Forecast and will thus match elements like Forecast 3+9 or Budget 2013.			
Result	Cube			
	Dimension			
	Elements			
	Matching elements as a single quoted, comma separated list. Example: 'Budget','Forecast 3+9','Forecast 6+6','Forecast 9+3'.			

Name	Description	Domain	Example	Reference
Dimension element like attribute	Set of elements from one dimension where an attribute matches a regular expression pattern. Each matching element is returned as a record. If the regular expression pattern contains groups (also known as parenthesized subpatterns) the matching groups are returned, too.			
Parameters	Dimension	db_dimension	Version	
	Attribute	dimension_attribute	Factor	{"dimension": "Dimension"}
	Pattern	regex	^1.0\$	
	The example filters for all version having 1.0 as attribute Factor.			
Result	Cube			

Dimension	Name of the queried dimension.
Attribute	Name of the attribute.
Attribute value	Value of attribute matching the pattern.
Element	Element name of the queried dimension.
Group1	1st matching group (parenthesized subpattern) of the regex pattern.
Group2	2nd matching group (parenthesized subpattern) of the regex pattern.
...	Up to 8 additional groups are possible.

Name	Description	Domain	Example	Reference
Dimension element like attribute (list)	Set of elements from one dimension where an attribute matches a regular expression pattern. All matching elements are returned as list in one record.			
Parameters				
Dimension	Name of the dimension containing the set of elements.	db_dimension	Version	
Attribute	Name of the attribute of dimension to be matched against the pattern.	dimension_attribute	Factor	{"dimension": "Dimension"}
Pattern	RegEx pattern to match attribute values for elements of dimension. The example filters for all version having 1.0 as attribute Factor.	regex	^1.0\$	
Result				
Cube	Name of the current cube.			
Dimension	Name of the queried dimension.			
Attribute	Name of the attribute.			
Elements	Matching elements as a single quoted, comma separated list. Example: 'Budget', 'Forecast 3+9', 'Forecast 6+6', 'Forecast 9+3'.			

Name	Description	Domain	Example	Reference
Actual months	Returns a list of elements from a time dimension being lower or equal to an actual-months attribute of the version dimension. One record is returned for each version with an actual-months attribute.			
Parameters				
Version dimension	Name of the version dimension having an actual-month attribute.	cube_dimension	Version	
Time dimension	Name of the time dimension containing the month elements. Month elements must match the pattern yyyy-MM or FYyyy-MM.	cube_dimension	Month	
Version dimension attribute	Attribute of version dimension with number of actual months (between 1 and 12).	dimension_attribute	Actual Months	{"dimension": "Version dimension"}
Result				
Cube	Name of the current cube.			
VersionDimension	Name of the version dimension.			
TimeDimension	Name of the time dimension.			
ActualMonths	Non empty attribute value of the version dimension attribute.			
Version	Element of the version dimension.			
Elements	Months elements of the time dimension having a month less or equal to the actual-months attribute as a single quoted, comma separated list. Example: '2016-01', '2016-02', '2016-03'.			

Name	Description	Domain	Example	Reference
Static format string	Returns the number format string if the cube is configured for static format string mode. Otherwise the result set is empty.			
Result				
Cube	Name of the current cube.			
FormatString	Number format string applicable to all cells of the cube. Example: '#,##0,00'.			

Name	Description	Domain	Example	Reference
Dimension format string	Returns the number format string for each element if the cube is configured for dimension format string mode. Otherwise the result set is empty.			
Result				
Cube	Name of the current cube.			

Dimension	Name of the configured format string dimension.
Attribute	Name of the configured format string attribute.
Element	Element of the format string dimension having a non-empty format string attribute.
FormatString	Number format string applicable to the element. Example: 0,0 %.

Name	Description	Domain	Example	Reference
KPI calculation	Offers sophisticated calculations of a measure or account with a calculation expression. The calculation can optionally be restricted by dependencies.			
Parameter	Dimension	This is the name of the dimension containing the calculated elements. This dimension must have the Calculation attribute. Optionally it can also have a CalculationDependencies attribute.	cube_dimension	PnL account
Result	Cube	Name of the current cube.		
	Dimension	Name of the queried dimension.		
	Element	Element name of the queried dimension.		
	Calculation	Expression in Jedox rule syntax.		

Name	Description	Domain	Example	Reference
KPI calculation (by Version)	Offers sophisticated calculations of a measure or account with a calculation expression. The calculations can be defined by calculation schema, which is an attribute of the Version dimension. The calculation can optionally be restricted by dependencies.			
Parameter	Dimension	This is the name of the dimension containing the calculated elements. This dimension must have a SCalculation attribute where S is the Calculation Schema for a version. For each Calculation Schema used in the Version attribute there must be a corresponding Calculation attribute. Optionally it can also have a SCalculationDependencies attributes. Note: for this query type, the version dimension must have the specific name "Version".	cube_dimension	PnL account
Result	Cube	Name of the current cube.		
	Dimension	Name of the queried dimension.		
	Element	Element name of the queried dimension.		
	CalculationSchema	Calculation schema. Example: A.		
	Versions	Version elements sharing the same Calculation Schema as a single quoted, comma separated list. Example: 'Budget','Forecast 3+9','Forecast 6+6','Forecast 9+3'.		
	Calculation	Expression in Jedox rule syntax.		

Name	Description	Domain	Example	Reference
Attribute like	Set of attributes of a dimension where the attribute matches a regular expression pattern. Each matching attribute is returned as a record. If the regular expression pattern contains groups (also known as parenthesized subpatterns) the matching groups are returned, too.			
Parameter	Pattern	RegEx pattern to match attributes.	regex	^ID_(Name)\$
Result	Cube	Name of the current attribute cube.		
	Dimension	Name of the attributed dimension.		
	AttributeDimension	Name of the attribute dimension.		
	Attribute	Name of the attribute matching the pattern.		
	Group1	1st matching group (parenthesized subpattern) of the regex pattern.		
	Group2	2nd matching group (parenthesized subpattern) of the regex pattern.		
	...	Up to 8 additional groups are possible.		

Name	Description	Domain	Example	Reference
Initial months	Returns a list of the first periods of each fiscal year from a time dimension. If the fiscal year feature is not used a list of January elements is returned.			



Parameter	Time dimension	Name of the time dimension containing the month elements. Month elements must match the pattern yyyy-MM or FYyyy-MM.	cube_dimension	Month
Result	Cube	Name of the current cube.		
	TimeDimension	Name of the time dimension.		
	Elements	Months elements of the time dimension being the first periods of each fiscal year as a single quoted, comma separated list. Example: '2016-01','2017-01','2018-01'.		
