

Connector Appendix

Data Type

Data Type is used for defining the data type for a column or filter.

Type	Description
TEXT	Text value. A data set should return a Java String for this type.
NUMERIC	Numeric value. A data set should return a Java String for this type.
INTEGER	Integer value. A data set should return a Java Long or Integer for this type.
DATE	Date value. A data set should return a Java java.sql.Date for this type.
TIMESTAMP	Timestamp value. A data set should return a Java java.sql.Timestamp for this type.
SHORT	Short integer value. A data set should return a Java Long or Integer for this type.
ARRAY	Array. Currently unsupported.
BOOLEAN	Boolean value. A data set should return a Java Boolean for this type.
BLOB	Blob/Binary value. A data set should return a Java byte[] for this type.

FieldType

FieldType is used for defining the field type for a column or filter.

Type	Description
DIMENSION	Dimensional Value. The report builder will use dimensional filter paradigm for this column, and restrict aggregation types to COUNT and COUNT DISTINCT.
METRIC	Metric/Measure value. The report builder will use metric filter paradigm for this column, and allow all available aggregation types.
UNKNOWN	Unknown column type. This should not be used.

AggregationType

AggregationType is used for defining an aggregation that can be applied to a column or filter.

Type	Description
COUNT	Count all values of a column.
COUNTDISTINCT	Count all distinct values of a column.
AVG	Average the values of a column.
MAX	Return the maximum value of a column.
MIN	Return the minimum value of a column.
SUM	Return the sum of the values in the column.

FilterOperator

FilterOperator is used for defining operators for a column or filter.

Type	Description
EQUAL	Values are equal.
NOTEQUAL	Values are not equal.
INLIST	Value is within a defined list of values.
NOTINLIST	Value is not withing a defined list of values.
GREATER	Value is greater than a value.
GREATEREQUAL	Value is greater than or equal to a value.
LESS	Value is less than a value.
LESSEQUAL	Value is less than or equal to a value.
BETWEEN	Value is between two bounds.
NOTBETWEEN	Value is not between two bounds.
ISNULL	Value is null.
ISNOTNULL	Value is not null.
STARTSWITH	Text starts with a value.
NOTSTARTSWITH	Text does not start with a value.
ENDSWITH	Text ends with a value.
NOTENDSWITH	Text does not end with a value.
CONTAINS	Text contains a value.
NOTCONTAINS	Text does not contain a value.
ISEMPTYSTRING	Text is empty string.
ISNOTEMPTYSTRING	Text is not an empty string.

Parameter DataType

Parameter DataType is used for defining the data stored for a given meta-data parameter. These are defined as final static integers in the UserInputParameter Class.

Type	Description
TYPE_UNKNOWN	Unknown Value.
TYPE_NUMERIC	Numeric Value.
TYPE_TEXT	Text Value.
TYPE_PASSWORD	Password Value.
TYPE_BOOLEAN	Boolean Value.

Display Type

DisplayType is used for defining how data will be shown in the connection metadata wizard. These are defined as final static integers in the UserInputParameter Class.

Type	Description
DISPLAY_TEXT_TINY	Short text input box.
DISPLAY_TEXT_MEDIUM	Medium length text input box.
DISPLAY_TEXT_MEDIUM_LONG	Medium-long text input box.
DISPLAY_TEXT_LONG	Long text input box.
DISPLAY_SELECT	Select dropdown input box. This type of parameter requires additional options. Options are added to Parameter with addOption(String Key, String Description). The key is stored as the parameter value when selected. The description is shown as a selectable option in a dropdown box.
DISPLAY_RADIO	Radio selection input box. This type of parameter requires additional options. Additional options are rendered as selectable elements in the UI. Options are added to Parameter with addOption(String Key, String Description). The key is stored as the parameter value when selected. The description is shown next to the selectable radio button.
DISPLAY_HIDDEN	Hidden input box.
DISPLAY_BUTTON	Button. This type of parameter requires additional options. This UI element makes a callback to the buttonPressed() function in the JDBCMetaData Class. Additional option "BUTTONTEXT" is used for setting the text shown on the button.
DISPLAY_STATIC_TEXT	Displays static text. The long description of the parameter will be displayed as static text.
DISPLAY_URLBUTTON	Button with a link to an external URL. This type of parameter requires additional options. Additional option "BUTTONTEXT" is used for setting the text shown on the button. Additional option "BUTTONURL" is used for setting the URL that the button links to.
DISPLAY_PASSWORD	Password input box.

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