

JSColumn

Constants Summary

Number	#DATETIME	Constant used when setting or getting the type of columns.
Number	#INTEGER	Constant used when setting or getting the type of columns.
Number	#MEDIA	Constant used when setting or getting the type of columns.
Number	#NUMBER	Constant used when setting or getting the type of columns.
Number	#TEXT	Constant used when setting or getting the type of columns.

Method Summary

Boolean	#getAllowNull()	Get the allow-null flag of the column.
String	#getDataProviderID()	Get the data provider id (name) for this column.
String	#getDescription()	Get the description property of the column.
String	#getForeignType()	Get the foreign type of the column.
Number	#getLength()	Get the length of the column as reported by the JDBC driver.
String	#getQualifiedName()	Get the qualified name (including table name) of the column as known by the database.
String	#getQuotedSQLName()	Returns a quoted version of the column name, if necessary, as defined by the actual database used.
String	#getSQLName()	Get the name of the column as known by the database.
Number	#getScale()	Get the scale of the column as reported by the JDBC driver.
String	#getTitle()	Get the title property of the column.
Number	#getType()	Get the JDBC type of the column.
String	#getTypeAsString()	Get the name JDBC type of the column.
Boolean	#isRowIdentifier()	Is this column one of the row identifiers for its table.
Boolean	#isUUID()	Is this column marked as UUID column.

Constants Details

DATETIME

Constant used when setting or getting the type of columns.

Returns

[Number](#)

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customerid')
switch (column.getType())
{
case JSColumn.TEXT:
    // handle text column
    break;

case JSColumn.NUMBER:
case JSColumn.INTEGER:
    // handle numerical column
    break;
}
```

INTEGER

Constant used when setting or getting the type of columns.

Returns

[Number](#)

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customerid')
switch (column.getType())
{
case JSColumn.TEXT:
    // handle text column
    break;

case JSColumn.NUMBER:
case JSColumn.INTEGER:
    // handle numerical column
    break;
}
```

MEDIA

Constant used when setting or getting the type of columns.

Returns

[Number](#)

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customerid')
switch (column.getType())
{
case JSColumn.TEXT:
    // handle text column
    break;

case JSColumn.NUMBER:
case JSColumn.INTEGER:
    // handle numerical column
    break;
}
```

NUMBER

Constant used when setting or getting the type of columns.

Returns

[Number](#)

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customerid')
switch (column.getType())
{
case JSColumn.TEXT:
    // handle text column
    break;

case JSColumn.NUMBER:
case JSColumn.INTEGER:
    // handle numerical column
    break;
}
```

TEXT

Constant used when setting or getting the type of columns.

Returns

[Number](#)

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customerid')
switch (column.getType())
{
case JSColumn.TEXT:
    // handle text column
    break;

case JSColumn.NUMBER:
case JSColumn.INTEGER:
    // handle numerical column
    break;
}
```

Method Details

[getAllowNull](#)

[Boolean](#) **getAllowNull()**

Get the allow-null flag of the column.

Returns

[Boolean](#) – boolean allow-null flag.

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customerid')
if (!column.getAllowNull())
{
    // column cannot be null
}
```

[getDataProviderID](#)

[String](#) **getDataProviderID()**

Get the data provider id (name) for this column.

Returns

[String](#) – String dataprovider id.

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customerid')
var dataProviderId = column.getDataProviderID()
```

getDescription

[String](#) getDescription()

Get the description property of the column.

Returns

[String](#) – String column description.

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customername')
var desc = column.getDescription()
```

getForeignType

[String](#) getForeignType()

Get the foreign type of the column.

The foreign type can be defined design time as a foreign key reference to another table.

Returns

[String](#) – String foreign type.

Also see

[databaseManager.mergeRecords](#)

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customerid')
var foreignType = column.getForeignType()
if (foreignType != null)
{
    var fkTable = databaseManager.getTable('example_data', foreignType)
}
```

getLength

[Number](#) getLength()

Get the length of the column as reported by the JDBC driver.

Returns

[Number](#) – int column length.

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customername')
if (column.getLength() < 10)
{
    // handle short column
}
```

getQualifiedName

[String](#) getQualifiedName()

Get the qualified name (including table name) of the column as known by the database.

The name is quoted, if necessary, as defined by the actual database used.

Returns

[String](#) – String qualified column name.

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customerid')
var qualifiedSqlName = column.getQualifiedName()
```

getQuotedSQLName

String getQuotedSQLName()

Returns a quoted version of the column name, if necessary, as defined by the actual database used.

Returns

String – column name, quoted if needed.

Sample

```
//use with the raw SQL plugin:
//if the table name contains characters that are illegal in sql, the table name will be quoted
var jsTable = databaseManager.getTable('udm', 'campaigns')
var quotedTableName = jsTable.getQuotedSQLName()
var jsColumn = jsTable.getColumn('active')
var quotedColumnName = jsColumn.getQuotedSQLName()
plugins.rawSQL.executeSQL('udm', quotedTableName, 'select * from ' + quotedTableName + ' where ' +
quotedColumnName + ' = ?', [1])
```

getSQLName

String getSQLName()

Get the name of the column as known by the database.

Returns

String – String sql name

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customerid')
var sqlName = column.getSQLName()
```

getScale

Number getScale()

Get the scale of the column as reported by the JDBC driver.

Returns

Number – int column scale.

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customername')
var scale = column.getScale()
```

getTitle

String getTitle()

Get the title property of the column.

Returns

String – String column title.

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customername')
var title = column.getTitle()
```

getType

Number getType()

Get the JDBC type of the column.

The type reported by the JDBC driver will be mapped to one of:

- JSColumn.DATETIME
- JSColumn.TEXT
- JSColumn.NUMBER
- JSColumn.INTEGER
- JSColumn.MEDIA

Returns

Number – int sql type.

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customerid')
switch (column.getType())
{
case JSColumn.TEXT:
    // handle text column
    break;

case JSColumn.NUMBER:
case JSColumn.INTEGER:
    // handle numerical column
    break;
}
```

getTypeAsString

String `getTypeAsString()`

Get the name JDBC type of the column.

The same mapping as defined in `JSColumn.getType()` is applied.

Returns

String – String sql name.

Also see

[.getType](#)

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('customerid')
var typeName = column.getTypeAsString()
```

isRowIdentifier

Boolean `isRowIdentifier()`

Is this column one of the row identifiers for its table.

Returns

Boolean – boolean true if is row identifier else false.

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('orderid')
if (column.isRowIdentifier())
{
    // handle pk column
}
```

isUUID

Boolean `isUUID()`

Is this column marked as UUID column.

Returns

Boolean – boolean true if is marked as UUID columns else false.

Sample

```
var table = databaseManager.getTable('example_data', 'orders')
var column = table.getColumn('orderid')
if (column.isUUID())
{
    // handle UUID column
}
```