

JSTableObject



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Supported Clients

SmartClient WebClient NGClient

Methods Summary

JSColumnObject	createNewColumn(columnName, type, length)	Creates a new column in this table.
JSColumnObject	createNewColumn(columnName, type, length, allowNull)	Creates a new column in this table.
JSColumnObject	createNewColumn(columnName, type, length, allowNull, pkColumn)	Creates a new column in this table.
void	deleteColumn(columnName)	Deletes the column with the specified name from this table.
JSColumn	getColumn(name)	Returns a JSColumn for the named column (or column dataproviderID).
Array	getColumnNames()	Returns an array containing the names of all table columns.
String	getDataSource()	Returns the table data source uri.
String	getQuotedSQLName()	Returns a quoted version of the table name, if necessary, as defined by the actual database used.
Array	getRowIdentifierColumnNames()	Returns an array containing the names of the identifier (PK) column(s).
String	getSQLName()	Returns the table name.
String	getServerName()	Returns the Servoy server name.
Boolean	isMetadataTable()	Returns whether table was flagged as metadata table.

Methods Details

createNewColumn(columnName, type, length)

Creates a new column in this table. The name, type and length of the new column must be specified. For specifying the type of the column, use the JSColumn constants. The column is not actually created in the database until this table is synchronized with the database using the JSServer.synchronizeWithDB method.

The method returns a JSColumn instance that corresponds to the newly created column. If any error occurs and the column cannot be created, then the method returns null.

Parameters

String columnName ;
Number type ;
Number length ;

Returns

JSColumnObject

Supported Clients

SmartClient,WebClient,NGClient

Sample

```

var server = plugins.maintenance.getServer("example_data");
if (server)
{
    var table = server.createNewTable("users");
    if (table)
    {
        var pk = table.createNewColumn("id", JSColumn.MEDIA, 16); // can also use (JSColumn.TEXT, 36)
for UUIDs
        pk.rowIdentifierType = JSColumn.PK_COLUMN;
        pk.setFlag(JSColumn.UUID_COLUMN, true)
        pk.sequenceType = JSColumn.UUID_GENERATOR
        var c = table.createNewColumn("name", JSColumn.TEXT, 100);
        c.allowNull = false
        table.createNewColumn("age", JSColumn.INTEGER, 0);
        table.createNewColumn("last_login", JSColumn.DATETIME, 0);
        var result = server.synchronizeWithDB(table);
        if (result) application.output("Table successfully created.");
        else application.output("Table not created.");
    }
}

```

createNewColumn(columnName, type, length, allowNull)

Creates a new column in this table. The name, type and length of the new column must be specified. For specifying the type of the column, use the JSColumn constants. The column is not actually created in the database until this table is synchronized with the database using the JSServer.synchronizeWithDB method.

The method returns a JSColumn instance that corresponds to the newly created column. If any error occurs and the column cannot be created, then the method returns null.

Parameters

```

String  columnName;
Number  type      ;
Number  length    ;
Boolean allowNull ;

```

Returns

[JSColumnObject](#)

Supported Clients

SmartClient, WebClient, NGClient

Sample

```

var server = plugins.maintenance.getServer("example_data");
if (server)
{
    var table = server.createNewTable("users");
    if (table)
    {
        var pk = table.createNewColumn("id", JSColumn.MEDIA, 16); // can also use (JSColumn.TEXT, 36)
for UUIDs
        pk.rowIdentifierType = JSColumn.PK_COLUMN;
        pk.setFlag(JSColumn.UUID_COLUMN, true)
        pk.sequenceType = JSColumn.UUID_GENERATOR
        var c = table.createNewColumn("name", JSColumn.TEXT, 100);
        c.allowNull = false
        table.createNewColumn("age", JSColumn.INTEGER, 0);
        table.createNewColumn("last_login", JSColumn.DATETIME, 0);
        var result = server.synchronizeWithDB(table);
        if (result) application.output("Table successfully created.");
        else application.output("Table not created.");
    }
}

```

createNewColumn(columnName, type, length, allowNull, pkColumn)

Creates a new column in this table. The name, type and length of the new column must be specified. For specifying the type of the column, use the JSColumn constants. The column is not actually created in the database until this table is synchronized with the database using the JSServer.synchronizeWithDB method.

The method returns a JSColumn instance that corresponds to the newly created column. If any error occurs and the column cannot be created, then the method returns null.

Parameters

String columnName;
 Number type ;
 Number length ;
 Boolean allowNull ;
 Boolean pkColumn ;

Returns

JSColumnObject

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var server = plugins.maintenance.getServer("example_data");
if (server)
{
    var table = server.createNewTable("users");
    if (table)
    {
        var pk = table.createNewColumn("id", JSColumn.MEDIA, 16); // can also use (JSColumn.TEXT, 36)
        for UUIDs
        {
            pk.rowIdentifierType = JSColumn.PK_COLUMN;
            pk.setFlag(JSColumn.UUID_COLUMN, true)
            pk.sequenceType = JSColumn.UUID_GENERATOR
            var c = table.createNewColumn("name", JSColumn.TEXT, 100);
            c.allowNull = false
            table.createNewColumn("age", JSColumn.INTEGER, 0);
            table.createNewColumn("last_login", JSColumn.DATETIME, 0);
            var result = server.synchronizeWithDB(table);
            if (result) application.output("Table successfully created.");
            else application.output("Table not created.");
        }
    }
}
```

deleteColumn(columnName)

Deletes the column with the specified name from this table. The column is not actually deleted from the database until this table is synchronized with the database using the JSServer.synchronizeWithDB method.

Parameters

String columnName ;

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var server = plugins.maintenance.getServer("example_data");
if (server) {
    var table = server.getTable("users");
    if (table) {
        table.deleteColumn("last_login");
        server.synchronizeWithDB(table);
    }
}
```

getColumn(name)

Returns a JSColumn for the named column (or column dataproviderID).

Parameters

String name The name of the column to return the value from.

Returns

[JSColumn](#) JSColumn column.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var jsTable = databaseManager.getTable('udm', 'campaigns')
var jsColumn = jsTable.getColumn('campaign_name')
```

getColumnNames()

Returns an array containing the names of all table columns.
If the table is in mem, then the internal rowid column name is not returned.

Returns

[Array](#) String array of column names.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var jsTable = databaseManager.getTable('udm', 'campaigns')
var columnNames = jsTable.getColumnNames()
```

getDataSource()

Returns the table data source uri.

Returns

[String](#) String datasource uri.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var jsTable = databaseManager.getTable('udm', 'campaigns')
var dataSource = jsTable.getDataSource()
```

getQuotedSQLName()

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

Returns

[String](#) String table name, quoted if needed.

Supported Clients

SmartClient,WebClient,NGClient

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()
plugins.rawSQL.executeSQL('udm', quotedTableName, 'select * from ' + quotedTableName + ' where is_active = ?',
[1])
```

getRowIdentifierColumnNames()

Returns an array containing the names of the identifier (PK) column(s).
Please note that if the table is in mem, then the internal rowid column name is also returned.

Returns

[Array](#) String array of row identifier column names.

Supported Clients

SmartClient,WebClient,NGClient

Sample

```
var jsTable = databaseManager.getTable('udm', 'campaigns')
var identifierColumnNames = jsTable.getRowIdentifierColumnNames()
```

getSQLName()

Returns the table name.

Returns

[String](#) String table name.

Supported Clients

SmartClient, WebClient, NGClient

Sample

```
var jsTable = databaseManager.getTable('udm', 'campaigns')
var tableNameForDisplay = jsTable.getSQLName()
```

getServerName()

Returns the Servoy server name.

Returns

[String](#) String server name.

Supported Clients

SmartClient, WebClient, NGClient

Sample

```
var jsTable = databaseManager.getTable('udm', 'campaigns')
var serverName = jsTable.getServerName()
```

isMetadataTable()

Returns whether table was flagged as metadata table.

Returns

[Boolean](#) boolean is metadata

Supported Clients

SmartClient, WebClient, NGClient

Sample

```
var jsTable = databaseManager.getTable('udm', 'campaigns')
var isMetaDataTable = jsTable.isMetadataTable()
```