

# rawSQL

## Server Property Summery

[#servoy.rawSQL.allowClientCacheFlushes](#)

## Method Summery

Boolean	<a href="#">#executeSQL</a> (serverName, tableName, SQL, [arguments]) Execute any SQL, returns true if successful.
JSDataSet	<a href="#">#executeStoredProcedure</a> (serverName, procedureDeclaration, [arguments[], [IODirectionality[]], maxNrReturnedRows) Execute a stored procedure.
Boolean	<a href="#">#flushAllClientsCache</a> (serverName, tableName) Flush cached database data.
ServoyException	<a href="#">#getException</a> () If the result from a function was false, it will return the exception object.
Boolean	<a href="#">#notifyDataChange</a> (serverName, tableName, pksDataset, action) Notify clients about changes in records, based on pk(s).

## Server Property Details

[servoy.rawSQL.allowClientCacheFlushes](#)

In case of performance problem you might want to disable this (true/false)

## Method Details

[executeSQL](#)

Boolean [executeSQL](#)(serverName, tableName, SQL, [arguments])

Execute any SQL, returns true if successful.

### Parameters

serverName

tableName

SQL

[arguments]

### Returns

Boolean

### Sample

```
/*
*****
WARNING! You can cause data loss or serious data integrity compromises!
You should have a THOROUGH understanding of both SQL and your backend
database (and other interfaces that may use that backend) BEFORE YOU USE
ANY OF THESE COMMANDS.
You should also READ THE DOCUMENTATION BEFORE USING ANY OF THESE COMMANDS

Note that when server names have been switched (databasemanager.switchServer), the
real server names must be used here, plugins.rawSQL is not transparent to switched servers.
*****
//Execute any SQL, returns true if successful.
var country = 'NL'
var done = plugins.rawSQL.executeSQL("example_data","employees","update employees set country = ?", [country])
if (done)
{
    //flush is required when changes are made in db
    plugins.rawSQL.flushAllClientsCache("example_data","employees")
}
else
{
    var msg = plugins.rawSQL.getException().getMessage(); //see exception node for more info about the
exception obj
    plugins.dialogs.showErrorDialog('Error', 'SQL exception: '+msg, 'Ok')
}
*/
```

[executeStoredProcedure](#)

**JSDataSet** **executeStoredProcedure**(serverName, procedureDeclaration, [arguments[]], [IODirectionality[]], maxNrReturnedRows)

Execute a stored procedure.

**Parameters**

serverName

procedureDeclaration

[arguments[]]

[IODirectionality[]]

maxNrReturnedRows

**Returns**

[JSDataSet](#)

**Sample**

```

/*****
WARNING! You can cause data loss or serious data integrity compromises!
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database (and other interfaces that may use that backend) BEFORE YOU USE
ANY OF THESE COMMANDS.
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Note that when server names have been switched (databasemanager.switchServer), the
real server names must be used here, plugins.rawQuery is not transparent to switched servers.
*****/

//Execute a stored procedure.
var maxReturnedRows = 10; //useful to limit number of rows
var procedure_declaration = '{?=calculate_interest_rate(?)}'
var args = new Array()
args[0] = java.sql.Types.NUMERIC
args[1] = 3000
//      define the types and direction, in this case a 0 for input data
var typesArray = new Array();
typesArray[0]=1;
typesArray[1]=0;
var dataset = plugins.rawQuery.executeStoredProcedure(controller.getServerName(), procedure_declaration, args,
typesArray,maxReturnedRows);

//example to calc a strange total
global_total = 0;
for( var i = 1 ; i <= dataset.getMaxRowIndex() ; i++ )
{
    global_total = global_total + dataset.getValue(i,1);
}

```

[flushAllClientsCache](#)

**Boolean** **flushAllClientsCache**(serverName, tableName)

Flush cached database data. Use with extreme care, its affecting the performance of clients!

**Parameters**

serverName

tableName

**Returns**

[Boolean](#)

## Sample

```
/******
WARNING! You can cause data loss or serious data integrity compromises!
You should have a THOROUGH understanding of both SQL and your backend
database (and other interfaces that may use that backend) BEFORE YOU USE
ANY OF THESE COMMANDS.
You should also READ THE DOCUMENTATION BEFORE USING ANY OF THESE COMMANDS

Note that when server names have been switched (databasemanager.switchServer),the
real server names must be used here, plugins.rawQuery is not transparent to switched servers.
*****/
//Flush cached database data. Use with extreme care, its affecting the performance of clients!
var country = 'NL'
var done = plugins.rawQuery.executeSQL("example_data","employees","update employees set country = ?", [country])
if (done)
{
    //flush is required when changes are made in db
    plugins.rawQuery.flushAllClientsCache("example_data","employees")
}
else
{
    var msg = plugins.rawQuery.getException().getMessage(); //see exception node for more info about the
exception obj
    plugins.dialogs.showErrorDialog('Error', 'SQL exception: '+msg, 'Ok')
}
```

[getException](#)

[ServoyException](#) **getException()**

If the result from a function was false, it will return the exception object.

### Returns

[ServoyException](#)

## Sample

[notifyDataChange](#)

**Boolean** **notifyDataChange**(serverName, tableName, pksDataset, action)

Notify clients about changes in records, based on pk(s). Use with extreme care, its affecting the performance of clients!

### Parameters

serverName

tableName

pksDataset

action

### Returns

**Boolean**

## Sample

```
/******
WARNING! You can cause data loss or serious data integrity compromises!
You should have a THOROUGH understanding of both SQL and your backend
database (and other interfaces that may use that backend) BEFORE YOU USE
ANY OF THESE COMMANDS.
You should also READ THE DOCUMENTATION BEFORE USING ANY OF THESE COMMANDS

Note that when server names have been switched (databasemanager.switchServer),the
real server names must be used here, plugins.rawQuery is not transparent to switched servers.
*****/
//Notify clients about changes in records, based on pk(s). Use with extreme care, its affecting the performance
of clients!
var action = 1 //pks deleted
//var action = 2 //pks inserted
//var action = 3 //pks updates
var pksdataset = databaseManager.convertToDataSet(new Array(12,15,16,21))
var ok = plugins.rawQuery.notifyDataChange(controller.getServerName(), 'employees',pksdataset,action)
```