

rawSQL

Server Property Summary

[#servoy.rawSQL.allowClientCacheFlushes](#)

Method Summary

Boolean	#executeSQL (serverName, tableName, SQL, [arguments]) Execute any SQL, returns true if successful.
JSDataSet	#executeStoredProcedure (serverName, procedureDeclaration, [arguments[], [IODirectionality[], maxNrReturnedRows]) Execute a stored procedure.
Boolean	#flushAllClientsCache (serverName, tableName) Flush cached database data.
ServoyException	#getException () If the result from a function was false, it will return the exception object.
Boolean	#notifyDataChange (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.rawQuery is not transparent to switched servers.  
*****/  
  
// Execute any SQL, returns true if successful.  
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')  
}
```

executeStoredProcedure

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

Execute a stored procedure.

Parameters

serverName

procedureDeclaration

[arguments[]]

[IODirectionality[]]

maxNrReturnedRows

Returns

[JSDataset](#)

Sample

```
/******  
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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(?)}'  
// define the direction, a 0 for input data, a 1 for output data  
var typesArray = [1, 0];  
// define the types and values, a value for input data, a sql-type for output data  
var args = [java.sql.Types.NUMERIC, 3000]  
// A dataset is returned, when no output-parameters defined, the last select-result in the procedure will be  
returned.  
// When one or more output-parameters are defined, the dataset will contain 1 row with the output data.  
var dataset = plugins.rawQuery.executeStoredProcedure(controller.getServerName(), procedure_declaration, args,  
typesArray, maxReturnedRows);  
var interest_rate = dataset.getValue(1, 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

```

/*****
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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

```
/******  
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.  
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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.  
*****/  
  
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var country = 'NL'  
var done = plugins.rawQuery.executeSQL("example_data","employees","update employees set country = ?", [country])  
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    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')  
}
```

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!  
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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 = SQL_ACTION_TYPES.DELETE_ACTION //pks deleted  
//var action = SQL_ACTION_TYPES.INSERT_ACTION //pks inserted  
//var action = SQL_ACTION_TYPES.UPDATE_ACTION //pks updates  
var pksdataset = databaseManager.convertToDataSet(new Array(12,15,16,21))  
var ok = plugins.rawQuery.notifyDataChange(controller.getServerName(), 'employees', pksdataset,action)
```