

DataException

Method Summary

Number [#getErrorCode\(\)](#)
Returns the error code for this ServoyException.

String [#getMessage\(\)](#)
Returns the string message for this ServoyException.

Object[] [#getParameters\(\)](#)
Returns the parameters of the SQL query that caused this DataException in an array.

String [#getSQL\(\)](#)
Returns the SQL query that caused this DataException.

String [#getSQLState\(\)](#)
Returns the SQLState for this DataException.

String [#getStackTrace\(\)](#)
Returns the stack trace for this ServoyException.

Object [#getValue\(\)](#)
Returns the value for this DataException.

Number [#getVendorErrorCode\(\)](#)
Returns the error code of the error thrown by the back-end database server.

Method Details

[getErrorCode](#)

Number [getErrorCode\(\)](#)

Returns the error code for this ServoyException. Can be one of the constants declared in ServoyException.

Returns

Number – the error code for this ServoyException. Can be one of the constants declared in ServoyException.

Sample

```
//this sample script should be attached to onError method handler in the solution settings
application.output('Exception Object: '+ex)
application.output('MSG: '+ex.getMessage())
if (ex instanceof ServoyException)
{
    /** @type {ServoyException} */
    var servoyException = ex;
    application.output("is a ServoyException")
    application.output("Errorcode: "+servoyException.getErrorCode())
    var trace = "";
    if (ex.getScriptStackTrace) trace = servoyException.getScriptStackTrace();
    else if (servoyException.getStackTrace) trace = servoyException.getStackTrace();
    if (servoyException.getErrorCode() == ServoyException.SAVE_FAILED)
    {
        plugins.dialogs.showErrorDialog( 'Error',  'It seems you did not fill in a required field',
'OK');

        //Get the failed records after a save
        var array = databaseManager.getFailedRecords()
        for( var i = 0 ; i < array.length ; i++ )
        {
            var record = array[i];
            application.output(record.exception);
            if (record.exception instanceof DataException)
            {
                /** @type {DataException} */
                var dataException = record.exception;
                application.output('SQL: '+dataException.getSQL())
                application.output('SQLState: '+dataException.getSQLState())
                application.output('VendorErrorCode: '+dataException.getVendorErrorCode())
            }
        }
        return false
    }
}
//if returns false or no return, error is not reported to client; if returns true error is reported
//by default error report means logging the error, in smart client an error dialog will also show up
return true
```

getMessage

String getMessage()

Returns the string message for this ServoyException.

Returns

String – the string message for this ServoyException.

Sample

```
//this sample script should be attached to onError method handler in the solution settings
application.output('Exception Object: '+ex)
application.output('MSG: '+ex.getMessage())
if (ex instanceof ServoyException)
{
    /** @type {ServoyException} */
    var servoyException = ex;
    application.output("is a ServoyException")
    application.output("Errorcode: "+servoyException.getErrorCode())
    var trace = "";
    if (ex.getScriptStackTrace) trace = servoyException.getScriptStackTrace();
    else if (servoyException.getStackTrace) trace = servoyException.getStackTrace();
    if (servoyException.getErrorCode() == ServoyException.SAVE_FAILED)
    {
        plugins.dialogs.showErrorDialog( 'Error',  'It seems you did not fill in a required field',
'OK');

        //Get the failed records after a save
        var array = databaseManager.getFailedRecords()
        for( var i = 0 ; i < array.length ; i++ )
        {
            var record = array[i];
            application.output(record.exception);
            if (record.exception instanceof DataException)
            {
                /** @type {DataException} */
                var dataException = record.exception;
                application.output('SQL: '+dataException.getSQL())
                application.output('SQLState: '+dataException.getSQLState())
                application.output('VendorErrorCode: '+dataException.getVendorErrorCode())
            }
        }
        return false
    }
}
//if returns false or no return, error is not reported to client; if returns true error is reported
//by default error report means logging the error, in smart client an error dialog will also show up
return true
```

getParameters

Object[] [getParameters\(\)](#)

Returns the parameters of the SQL query that caused this DataException in an array.

Returns

Object[] – the parameters of the SQL query that caused this DataException in an array.

Sample

```
var record = array[i];
application.output(record.exception);
if (record.exception instanceof DataException)
{
    var param = record.exception.getParameters();
    for (j = 0; j < param.length; j++)
    {
        application.output("SQL Parameter [" + j + "]: " + param[j]);
    }
}
```

getSQL

String [getSQL\(\)](#)

Returns the SQL query that caused this DataException.

Returns

String – the SQL query that caused this DataException.

Sample

```
var record = array[i];
application.output(record.exception);
if (record.exception instanceof DataException)
{
    application.output("SQL: " + record.exception.getSQL());
}
```

getSQLState

String getSQLState()

Returns the SQLState for this DataException.

This is a "SQLstate" string, which follows either the XOPEN SQLstate conventions or the SQL 99 conventions.

The values of the SQLState string are described in the appropriate spec.

Returns

String – the SQLState for this DataException.

Sample

```
var record = array[i];
application.output(record.exception);
if (record.exception instanceof DataException)
{
    application.output("SQLState: " + record.exception.getSQLState());
}
```

getStackTrace

String getStackTrace()

Returns the stack trace for this ServoyException.

Returns

String – the string stack trace for this ServoyException.

Sample

```
//this sample script should be attached to onError method handler in the solution settings
application.output('Exception Object: '+ex)
application.output('MSG: '+ex.getMessage())
if (ex instanceof ServoyException)
{
    /** @type {ServoyException} */
    var servoyException = ex;
    application.output("is a ServoyException")
    application.output("Errorcode: "+servoyException.getErrorCode())
    var trace = "";
    if (ex.getScriptStackTrace) trace = servoyException.getScriptStackTrace();
    else if (servoyException.getStackTrace) trace = servoyException.getStackTrace();
    if (servoyException.getErrorCode() == ServoyException.SAVE_FAILED)
    {
        plugins.dialogs.showErrorDialog( 'Error',  'It seems you did not fill in a required field',
'OK');

        //Get the failed records after a save
        var array = databaseManager.getFailedRecords()
        for( var i = 0 ; i < array.length ; i++ )
        {
            var record = array[i];
            application.output(record.exception);
            if (record.exception instanceof DataException)
            {
                /** @type {DataException} */
                var dataException = record.exception;
                application.output('SQL: '+dataException.getSQL())
                application.output('SQLState: '+dataException.getSQLState())
                application.output('VendorErrorCode: '+dataException.getVendorErrorCode())

            }
        }
        return false
    }
}
//if returns false or no return, error is not reported to client; if returns true error is reported
//by default error report means logging the error, in smart client an error dialog will also show up
return true
```

getValue

Object getValue()

Returns the value for this DataException.

The value is the object thrown in table pre-insert, pre-update or pre-delete triggers.

Returns

Object – the value for this DataException.

Sample

```
var record = array[i];
application.output(record.exception);
if (record.exception instanceof DataException)
{
    application.output("VALUE: " + record.exception.getValue());
}
```

getVendorErrorCode

Number getVendorErrorCode()

Returns the error code of the error thrown by the back-end database server.

Returns

Number – the error code of the error thrown by the back-end database server.

Sample

```
var record = array[i];
application.output(record.exception);
if (record.exception instanceof DataException)
{
    application.output("VendorErrorCode: " + record.exception.getVendorErrorCode());
}
```