

DataException

Method Summery

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.
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
var e = arguments[0];
application.output("Exception Object: "+e)
application.output("MSG: "+e.getMessage())
if (e instanceof ServoyException)
{
    application.output("is a ServoyException")
    application.output("Errorcode: "+e.getErrorCode())
    if (e.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)
            {
                application.output("SQL: "+record.exception.getSQL())
                application.output("SQLState: "+record.exception.getSQLState())
                application.output("VendorErrorCode: "+record.exception.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
var e = arguments[0];
application.output("Exception Object: "+e)
application.output("MSG: "+e.getMessage())
if (e instanceof ServoyException)
{
    application.output("is a ServoyException")
    application.output("Errorcode: "+e.getErrorCode())
    if (e.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)
            {
                application.output("SQL: "+record.exception.getSQL())
                application.output("SQLState: "+record.exception.getSQLState())
                application.output("VendorErrorCode: "+record.exception.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());
}
```

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());
}
```