

Differences in Exopen Report 6 compared with Exopen Report 4

Introduction

Terminology

- **EOR** is a shorthand for **Exopen Report**.
- **EWR** is a shorthand for **Exopen Web Reports**.
- **EOX6** is a collective term including both **Exopen Report 6** and **Exopen Web Reports 6**.
- **EOX4** is a collective term including both **Exopen Report 4** and **Exopen Web Reports 2.x**.

Add-in technologies used

Exopen Report 4 uses three Excel add-ins

- An XLL add-in:
 - ExopenReport.xll — the “low level” bits that communicate with databases and calculates the sheet functions.
- Two VBA add-ins:
 - ExopenWizard.xla — the user interface forms.
 - ExopenReportRibbon.xlam — the Ribbon menu tab for Excel 2007 and later.

Exopen Report 6 uses a single Excel add-in

- A Visual Studio Tools for Office (VSTO) add-in:
 - Exopen.Report.vsto and associated files.

Office platform support

Exopen Report 4 only supports 32-bit Excel for Windows.

Exopen Report 6 supports both 64-bit, and 32-bit Excel for Windows. Make sure to use the installation files matching the bitness of your Office installation.

Data connectivity

Exopen Report 4 only supports using ODBC data sources.

Exopen Report 6 supports using the following ADO.NET .NET Framework Data Providers:

- SQL Server
- ODBC
- OLE DB

Terminology differences

Getting data from a database to the report:

- The ***Export*** functions in Exopen Report 4 are now ***Load*** functions in Exopen Report 6.

Putting data from the report to the database:

- The ***Import*** functions in Exopen Report 4 are now ***Store*** functions in Exopen Report 6.

Sheet functions

Exopen Report 4 uses Excel User Defined Functions (UDF) to specify the Exopen...-functions in the Excel sheets, e.g.

- =ExOpenRecordExport("CONTOSO";A1:A19;A26:AA5025;;FALSE;;;"";"";TRUE;FALSE;FALSE)

Exopen Report 6 uses the Excel built-in function CHOOSE to specify the Exo...-functions in the Excel sheets, e.g.

- =CHOOSE(1;"ExoListLoad";;"Contoso";\$A\$1:\$A\$34;A40:AA1000;"";"VERTICAL";"FALSE";"TRUE";"FALSE")

Store functions

The Exo...Store functions in EOX6 have a different behaviour compared to the ExOpen...Import in EOX4.

In Exopen Report 4 the ExOpen...Import functions created SQL INSERT, UPDATE, and DELETE statements based on the SELECT query in the function's query area, and operated one record at a time.

In Exopen Report 6 the Exo...Store functions need to call a stored procedure, which in turn requires an User Defined Type (UDT) set up to define the table-valued parameter. All the rows in the function input area are sent to the procedure at once, and in the procedure you can define how the data is to be handled.

For more details regarding Store functions, see the *Creating store functions and associated procedure and UDT* example in the *Exopen Report 6 User Manual*.

Converting reports from EOX4 to EOX6

In Exopen Report 6 there is built-in functionality (*Tools* → *Convert EOX4 to EOX6*) to convert Exopen Report 4 reports to the Exopen Report 6 format. The conversion can handle most cases, but for more complex reports there can be a need to perform some manual adjustments.

All EOX4 ExOpen...Import-functions are converted to the EOX6 Exo...Import compatibility functions. It is recommended to manually convert these to the EOX6 Exo...Store functions. This is primarily due to performance reasons, and secondarily due to that these Import compatibility functions do not have every option implemented that existed in EOX4 for corresponding functions.

Function mapping between EOX4 and EOX6

EOX4 Function	EOX6 Function
ExOpenActiveUser	ExoActiveUser
ExOpenClearArea	ExoClearArea
ExOpenColReplaceExport	ExoColumnReplaceLoad
ExOpenColumnExport	ExoColumnLoad
ExOpenColumnImport	ExoColumnStore, ExoColumnImport
ExOpenDateFormat	ExoFormatValue
ExOpenDrillDown	ExoDrillDown
ExOpenHideEmpty	ExoHide
ExOpenInQuery	ExoInQuery
ExOpenInRange	ExoInRange
ExOpenInUserKeys	ExoInPermission
ExOpenListExport	ExoGroupedListLoad
ExOpenMatrix	ExoMatrixMultiLoad
ExOpenMatrixExport	ExoMatrixLoad
ExOpenMatrixImport	ExoMatrixStore, ExoMatrixImport
ExOpenPublish	ExoPublish
ExOpenRecordExport	ExoListLoad
ExOpenRecordImport	ExoListStore, ExoRecordImport
ExOpenRowExport	ExoRowLoad
ExOpenRowImport	ExoRowStore, ExoRowImport
ExOpenRunDate	ExoTimeStamp
ExOpenSelectFromRange	ExoInputFilter
ExOpenSingleRecordExport	ExoSingleRecordLoad
ExOpenSingleRecordImport	ExoListStore, ExoSingleRecordImport