Oracle® Smart View for Office Developer's Guide





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About the *Oracle Smart View for Office Developer's Guide*

The *Oracle Smart View for Office Developer's Guide* describes the Microsoft Visual Basic for Applications (VBA) functions that you can use to develop applications for Oracle Smart View for Office.

This reference is intended for advanced users who need detailed information and examples for supported VBA functions.

About VBA Functions

Describes the Oracle Smart View for Office VBA functions.

Related Topics

Assumed Knowledge

Describes the information to develop VBA applications for Oracle Smart View for Office.

VBA Functions Location

Describes the location of Oracle Smart View for Office VBA functions that are contained in the smartview.bas file.

Using VBA Function Code Samples

Describes the examples provided for each VBA function.

VBA Functions in 64-Bit Versions

Describes the VBA function declarations diffrence between 64-bit and 32-bit version of Microsoft Office.

VBA Parameters

Describes available VBA parameter types and the valid values.

VBA Return Values (Error Codes)

Describes available return values for VBA functions and their respective descriptions to indicate success or failure of the function.

• <u>Using Spreadsheet Toolkit VBA Applications in Smart View</u>

Describes using the spreadsheet toolkit VBA applications in Oracle Smart View for Office.

VBA Function Types

Describes the VBA function types.

VBA Functions—Alphabetical List

Describes the alphabetical listing of VBA functions, including menu functions.

Assumed Knowledge

Describes the information to develop VBA applications for Oracle Smart View for Office.

You can customize and automate common tasks using Microsoft Visual Basic for Applications (VBA) functions in Smart View using Microsoft Excel's Visual Basic Editor.

To use the information in this chapter to develop VBA applications for Smart View, you must have working knowledge of the following:

- Smart View and how it is used in your organization
- Visual Basic or VBA programming language
- Excel Visual Basic Editor as an environment for VBA development



VBA Functions Location

Describes the location of Oracle Smart View for Office VBA functions that are contained in the smartview.bas file.

All Smart View VBA functions are contained in the file smartview.bas, located by default in <code>EPM_ORACLE_HOME/smartview/bin</code>. To access these functions, import smartview.bas into a Visual Basic Editor module and use this module as a source of VBA functions for your program.

Using VBA Function Code Samples

Describes the examples provided for each VBA function.

This guide provides examples for each VBA function. You can copy these code samples into a Visual Basic Editor Module; however Oracle recommends that you use smartview.bas imported into a module as the source of the function declarations. This is particularly important for declarations that contain arrays. See VBA Functions Location.

If you do copy and paste code samples, always use the HTML version of this guide. Copying from a PDF file may cause characters in the code to be lost.

VBA Functions in 64-Bit Versions

Describes the VBA function declarations diffrence between 64-bit and 32-bit version of Microsoft Office.

If you are using the 64-bit version of Microsoft Office, VBA function declarations are slightly different from those in the 32-bit version. In 64-bit versions, the declarations include PtrSafe after the Declare keyword. For example:

- 32-bit version: Public Declare Function HypMenuVAbout Lib "HsAddin" () As Long
- **64-bit version**: Public Declare PtrSafe Function HypMenuVAbout Lib "HsAddin" () As Long.

The smartview.bas file provided with your Oracle Smart View for Office installation automatically contains the appropriate declaration statements.

Note

The code samples in this guide contain declarations for the 32-bit version of Office; if you have the 64-bit version, you must ensure that PtrSafe is included in the declarations.

VBA Parameters

Describes available VBA parameter types and the valid values.

Most VBA functions require you to supply values for one or more parameters. <u>Table 1</u> lists the parameter types and the valid values for each type:



Table 2-1 VBA Parameters

Parameter	Value
Text	A word or phrase or name in quotation marks. For example: "Smart View" "[Book2.xls]Sheet1"
Boolean	TrueFalse
Range object	A cell, row or column, one or more selections of cells, or a three-dimensional range address, surrounded by quotation marks. For example: RANGE("A1") RANGE("A1:B2") RANGE("G:G,I:I,K:K") RANGE("A1:B5,C1:C10,D5:L8") RANGE("Sheet1!C3:R20,Sheet2!C3:R20")
Number	 A number without quotation marks and without commas. For example: 1 2.5 50000
List of strings	A list of text values separated by commas. For example: "Qtr1", "Actual", "Oregon"
Constant Default value	A predefined constant from smartview.basNullEmpty



(i) Note

Many parameters have default values or behavior that the function uses if you specify Null or Empty. If you do not specify a value for such parameters, use Null or Empty. See the description of each function for default values of such parameters.



(i) Note

Oracle Smart View for Office and VBA require Excel events to be enabled in order to function properly. Turning off Application. Enable Events may result in incorrect behavior.

VBA Return Values (Error Codes)

Describes available return values for VBA functions and their respective descriptions to indicate success or failure of the function.

Oracle Smart View for Office VBA functions may return any of the values in Table 1 to indicate success or failure of the function.

- A return value of zero (0) indicates that the function ran successfully.
- A return value of 1 or 2 indicates that the function ran successfully, but with a condition.



- Negative return values indicate client issues.
- A return value of 4 indicates a server issue.

(i) Note

Return values are often referred to as error codes.

Table 2-2 Return Values (Error Codes) and Their Descriptions

Return Value	Name	Description
4	SS_ERR_ERROR	An error specific to the data provider or a generic error that cannot be mapped to a value.
2	SS_NO_GRID_ON_SHEET_BUT_FU NCTIONS_SUBMITTED	The function ran successfully; however, the function sheet that was submitted contained no grid.
1	SS_SHEET_NOT_CONNECTED_BUT _FUNCTIONS_SUBMITTED	The function ran successfully; however, the function sheet that was submitted was not connected.
0	SS_OK	The function ran successfully.
·1	SS_INIT_ERR	Initialization error.
-2	SS_TERM_ERR	Termination error.
-3	SS_NOT_INIT	Initialization error.
-4	SS_NOT_CONNECTED	The spreadsheet is not yet connected to the server.
-5	SS_NOT_LOCKED	The spreadsheet is not locked.
-6	SS_INVALID_SSTABLE	The spreadsheet has become unstable.
-7	SS_INVALID_SSDATA	The spreadsheet contains invalid data.
-8	SS_NOUNDO_INFO	No Undo information exists.
-9	SS_CANCELED	Operation has been canceled.
-10	SS_GLOBALOPTS	Not used.
-11	SS_SHEETOPTS	Not used.
-12	SS_NOTENABLED	Undo is not enabled.
-13	SS_NO_MEMORY	Not enough memory resources are available.
-14	SS_DIALOG_ERROR	Appropriate dialog box could not be displayed.
-15	SS_INVALID_PARAM	Function contains an invalid parameter.
-16	SS_CALCULATING	Calculation is in progress.
-17	SS_SQL_IN_PROGRESS	Obsolete setting.
-18	SS_FORMULAPRESERVE	Operation is not allowed because the spreadsheet is in formula preservation mode.
-19	SS_INTERNALSSERROR	Operation cannot take place on the specified sheet.
-20	SS_INVALID_SHEET	Current sheet cannot be determined.
-21	SS_NOACTIVESHEET	Spreadsheet name was not specified and no active sheet is selected.
-22	SS_NOTCALCULATING	Calculation cannot be canceled because no calculation is runni
-23	SS_INVALIDSELECTION	Selection parameter is invalid.
-24	SS_INVALIDTOKEN	Not used.
-25	SS_CASCADENOTALLOWED	Cascade list file cannot be created, or you are attempting to cascade while the spreadsheet is embedded in another document.
-26	SS_NOMACROS	Spreadsheet macros cannot be run due to a licensing agreeme



Table 2-2 (Cont.) Return Values (Error Codes) and Their Descriptions

Return Value	Name	Description
-27	SS_NOREADONLYMACROS	Spreadsheet macros which update the database cannot be rur due to a licensing constraint.
-28	SS_READONLYSS	You have a read-only license and cannot update the database.
-29	SS_NOSQLACCESS	Obsolete setting.
-30	SS_MENUALREADYREMOVED	The menu is removed already.
-31	SS_MENUALREADYADDED	The menu is added already.
-32	SS_NOSPREADSHEETACCESS	Not used.
-33	SS_NOHANDLES	Not used.
-34	SS_NOPREVCONNECTION	Not used.
-35	SS_LROERROR	Not used.
-36	SS_LROWINAPPACCESSERR	Not used.
-37	SS_DATANAVINITERR	Not used.
-38	SS_PARAMSETNOTALLOWED	Not used.
-39	SS_SHEET_PROTECTED	The specified worksheet is protected. Unprotect the worksheet and try the operation again.
-40	SS_CALCSCRIPT_NOTFOUND	Calc script not found.
-41	SS_NOSUPPORT_PROVIDER	Provider not supported.
-42	SS_INVALID_ALIAS	Invalid alias.
-43	SS_CONN_NOT_FOUND	Connection not found.
44	SS_APS_CONN_NOT_FOUND	Provider Services connection not found.
45	SS_APS_NOT_CONNECTED	Provider Services not connected.
-46	SS_APS_CANT_CONNECT	Provider Services cannot connect.
-47	SS_CONN_ALREADY_EXISTS	Connection already exists.
-48	SS_APS_URL_NOT_SAVED	Provider Services URL not saved.
-49	SS_MIGRATION_OF_CONN_NOT_AL LOWED	Migration of connection not allowed.
-50	SS_CONN_MGR_NOT_INITIALIZED	Connection manager not initialized.
-51	SS_FAILED_TO_GET_APS_OVERRI DE_PROPERTY	Failed to get Provider Services override property.
-52	SS_FAILED_TO_SET_APS_OVERRID E_PROPERTY	Failed to set Provider Services override property.
·53	SS_FAILED_TO_GET_APS_URL	Failed to get Provider Services URL.
·54	SS_APS_DISCONNECT_FAILED	Provider Services disconnect failed.
-55	SS_OPERATION_FAILED	Operation failed.
-56	SS_CANNOT_ASSOCIATE_SHEET_ WITH_CONNECTION	Cannot associate sheet with connection.
-57	SS_REFRESH_SHEET_NEEDED	Worksheet refresh needed.
-58	SS_NO_GRID_OBJECT_ON_SHEET	No grid object on sheet.
-59	SS_NO_CONNECTION_ASSOCIATE D	No connection associated.
-60	SS_NON_DATA_CELL_PASSED	Non-data cell passed.
-61	SS_DATA_CELL_IS_NOT_WRITABLE	Data cell is not writable.
-62	SS_NO_SVC_CONTENT_ON_SHEET	No Smart View content on sheet.
-63	SS_FAILED_TO_GET_OFFICE_OBJE CT	Failed to get Office object.



Table 2-2 (Cont.) Return Values (Error Codes) and Their Descriptions

Return Value	Name	Description
-64	SS_OP_FAILED_AS_CHART_IS_SEL ECTED	Operation failed because chart is selected.
-65	SS_EXCEL_IN_EDIT_MODE	Excel in edit mode.
-66	SS_SHEET_NON_SMARTVIEW_CO MPATIBLE	Sheet not compatible with Smart View.
-67	SS_APP_NOT_STANDALONE	Application not stand alone.
-68	SS_SMART_VIEW_DISABLED	Smart View is disabled.
-69	SS_VBA_DEPRECATED	The function has been deprecated.
-70	SS_OPERATION_NOT_SUPPORTED _IN_MULTIGRID_MODE	The operation is not supported in worksheets that are in multiple- grid mode.
-71	SS_INVALID_MEMBER	The member name is invalid. Used with HypGetMemberInformation.
-72	SS_NO_SV_NAME_RANGE	No named ranges are available. Used with HypGetNameRangeList.
-73	SS_AMBIGUOUS_MENU	The menu item is ambiguous and could not be resolved. Used with HypExecuteMenu, HypHideRibbonMenu, and HypHideRibbonMenuReset.

Using Spreadsheet Toolkit VBA Applications in Smart View

Describes using the spreadsheet toolkit VBA applications in Oracle Smart View for Office.

VBA applications created in Oracle Hyperion Essbase Spreadsheet Toolkit can be converted to Smart View by making the following modifications:

- Replace the EssV prefix of Spreadsheet Toolkit functions with Hyp; for example, change EssVRemoveOnly to HypRemoveOnly.
- Replace the EssMenuV prefix of Spreadsheet Toolkit menu functions with HypMenuV; for example, change EssMenuVZoomIn to HypMenuVZoomIn.
- Replace the declarations in essxlvba.txt with the declarations in smartview.bas.

VBA Function Types

Describes the VBA function types.

- **Menu** functions are identical to the equivalent commands on the Oracle Smart View for Office menu and ribbon. See Menu Functions.
- **General** functions perform actions, set options, or retrieve information typically performed from the Smart View ribbon or Options dialog box. See General Functions.
- Connection functions perform actions related to connections to data providers. See Connection Functions.
- Ad hoc functions perform ad hoc operations such as zooming, retrieving and submitting data, and pivoting. See Ad Hoc Functions.
- The Form function opens a data form. See Form Functions.
- **Cell** functions perform operations and retrieve information for data cells and their contents. See Cell Functions.



- POV functions specify or retrieve settings for the POV. See POV Functions.
- Calculation script and business rule functions retrieve lists of or execute calculation scripts and business rules. See <u>Calculation Script and Business Rule Functions</u>.
- Calculation, consolidation, and translation functions executes these operations on data for Oracle Hyperion Financial Management applications. See <u>Calculation</u>, <u>Consolidation</u>, and <u>Translation Functions</u>.
- Member query functions retrieve generation, level, attribute, and other information about members. See Member Query Functions.
- Options functions set and retrieve information for global and/or sheet options, and enable deletion of MRU items. See Options Functions.
- **Dynamic link** functions set or retrieve data point details that are displayed in separate windows via dynamic links. See **Dynamic Link Functions**.
- The MDX query function executes an MDX query whose results are not displayed in a worksheet. See MDX Query Functions.
- **Oracle Journals** functions support Financial Management Journals functionality in Smart View. See <u>Oracle Journals for Financial Management Functions</u>.
- Oracle Analytics Cloud functions support Smart View operations when connected to an Oracle Analytics Cloud data source. See <u>Oracle Analytics Cloud Functions</u>
- Oracle BI EE functions support Smart View operations when connected to an Oracle Business Intelligence Enterprise Edition data source. See <u>Oracle BI EE Functions</u>.



See also VBA Functions—Alphabetical List.

VBA Functions—Alphabetical List

Describes the alphabetical listing of VBA functions, including menu functions.

Table 2-3 VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
<u>AnalysisProperties</u>	Oracle Analytics Cloud
<u>AnalysisProperties</u>	Oracle Business Intelligence Enterprise Edition
CopyView	Oracle Analytics Cloud
CopyView	Oracle BI EE
CreateJournal	Oracle Hyperion Financial Management and Oracle Journals Extension for Financial Management
<u>DeleteView</u>	Oracle Analytics Cloud
<u>DeleteView</u>	Oracle BI EE
<u>DirProperties</u>	Oracle Analytics Cloud
<u>DirProperties</u>	Oracle BI EE
<u>EditPagePrompts</u>	Oracle Analytics Cloud
<u>EditPagePrompts</u>	Oracle BI EE
EditPrompts	Oracle Analytics Cloud
EditPrompts	Oracle BI EE



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
<u>GetPagePrompts</u>	Oracle Analytics Cloud
<u>GetPagePrompts</u>	Oracle BI EE
<u>HypAddLRO</u>	Oracle Essbase
<u>HypCalculate</u>	Financial Management
HypCalculateContrib ution	Financial Management (ad hoc only)
<u>HypCell</u>	Planning
	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Financial Management
	Oracle Hyperion Planning
<u>HypConnect</u>	Essbase on-premises
	Financial Management
	Oracle Hyperion Planning
<u>HypConnected</u>	• Planning
	Planning Modules
	Financial Consolidation and Close To Bon action
	Tax ReportingEssbase
	Financial Management
	Oracle Hyperion Planning
HypConnectionExist	
<u>HypCollileCtionExist</u> <u>S</u>	PlanningPlanning Modules
<u>=</u>	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Financial Management
	Oracle Hyperion Planning
<u>HypConsolidate</u>	Financial Management (ad hoc only)
<u>HypConsolidateAll</u>	Financial Management (ad hoc only)
<u>HypConsolidateAllW</u> <u>ithData</u>	Financial Management (ad hoc only)
HypCreateConnecti	• Planning
<u>on</u>	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Financial Management
	Oracle Hyperion Planning
	Oracle Hyperion Reporting and Analysis



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
<u>HypCreateConnecti</u>	• Planning
<u>onEx</u>	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Financial Management
	Oracle Hyperion Planning
	Reporting and Analysis
<u>HypCopyMetaData</u>	 Planning
	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Financial Management
	Oracle Hyperion Planning
<u>HypDeleteAllLROs</u>	Essbase
HypDeleteAllMRUIte ms	All
<u>HypDeleteCalc</u>	Essbase
<u>HypDeleteLROs</u>	Essbase
<u>HypDeleteMetaData</u>	• Planning
	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	• Financial Management
	Oracle Hyperion Planning Departing and Application
	Reporting and Analysis
<u>HypDisconnect</u>	Planning
	Planning Modules The state of the s
	Financial Consolidation and Close Toy Reporting
	Tax ReportingEssbase
	Financial Management
	Oracle Hyperion Planning
HypDicoopportAll	Planning
HypDisconnectAll	Planning Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Financial Management
	Oracle Hyperion Planning
<u>HypDisconnectEx</u>	Planning
Typeisconnectex	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	Essbase
	Financial Management
	Oracle Hyperion Planning
	· · · · · · · · · · · · · · · · · · ·



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
HypDisplayToLinkVi ew	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypExecuteCalcScri pt	Essbase
HypExecuteCalcScri ptEx	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Oracle Hyperion Planning
HypExecuteCalcScri ptEx2	
HypExecuteCalcScri ptString	Essbase on-premises
<u>HypExecuteMenu</u>	All
<u>HypExecuteDrillThro</u> <u>ughReport</u>	Essbase on-premises
<u>HypExecuteMDXEx</u>	Essbase
<u>HypExecuteQuery</u>	Essbase
<u>HypFindMember</u>	Essbase
<u>HypFindMemberEx</u>	Essbase
<u>HypForceCalculate</u>	Financial Management
HypForceCalculateC ontribution	Financial Management (ad hoc only)
<u>HypForceTranslate</u>	Financial Management (ad hoc only)
<u>HypFreeDataPoint</u>	• Planning
	 Planning Modules Financial Consolidation and Close Tax Reporting Essbase
	Financial Management Oracle Hyperion Planning
HypGetActiveMemb er	 Oracle Hyperion Planning Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypGetAncestor</u>	Essbase



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
HypGetBackground	• Planning
POV	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Financial Management
	Oracle Hyperion Planning
<u>HypGetCalcScript</u>	Essbase on-premises
<u>HypGetCellRangeFo</u>	• Planning
<u>rMbrCombination</u>	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Financial Management
	Oracle Hyperion Planning
<u>HypGetChildren</u>	Essbase
<u>HypGetColCount</u>	Planning (ad hoc only)
	Planning Modules (ad hoc only)
	 Financial Consolidation and Close (ad hoc only)
	Tax Reporting (ad hoc only)
	• Essbase
	Financial Management (ad hoc only)
	Oracle Hyperion Planning (ad hoc only)
HypGetColItems	Planning (ad hoc only)
	Planning Modules (ad hoc only)
	 Financial Consolidation and Close (ad hoc only)
	Tax Reporting (ad hoc only)
	• Essbase
	Financial Management (ad hoc only)
	Oracle Hyperion Planning (ad hoc only)
<u>HypGetConnectionI</u>	Planning (ad hoc only)
<u>nfo</u>	Planning Modules (ad hoc only)
	 Financial Consolidation and Close (ad hoc only)
	Tax Reporting (ad hoc only)
	• Essbase
	Financial Management (ad hoc only)
	Oracle Hyperion Planning (ad hoc only)
<u>HypGetDatabaseNot</u>	Essbase
<u>e</u>	
<u>HypGetDataPoint</u>	Planning Planning
	Planning Modules Financial Consolidation and Class
	Financial Consolidation and Close Toy Poporting
	• Tax Reporting
	Essbase Financial Management
	Financial ManagementOracle Hyperion Planning
	Stadie Hyperion Flamming



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
HypGetDimensions	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypGetDimMbrsFor DataCell	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypGetDrillThrough Reports	Essbase on-premises
<u>HypGetErrorInfo</u>	All
HypGetGlobalOption	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypGetLastError</u>	All
HypGetLinkMacro	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
<u>HypGetMemberInfor</u> <u>mation</u>	Essbase
<u>HypGetMemberInfor</u> <u>mationEx</u>	Essbase
<u>HypGetMembers</u>	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypGetNameRange List	Essbase



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
<u>HypGetOption</u>	PlanningPlanning Modules
	Financial Consolidation and Close
	Tax Reporting
	Essbase
	Financial Management
	Oracle Hyperion Planning
HypGetPagePOVCh	
oices	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	Essbase
	Financial Management
	Oracle Hyperion Planning
<u>HypGetParent</u>	Essbase
HypGetPOVCount	Planning (ad hoc only)
	Planning Modules (ad hoc only)
	Financial Consolidation and Close (ad hoc only)
	Tax Reporting (ad hoc only)
	Essbase
	Financial Management (ad hoc only)
	Oracle Hyperion Planning (ad hoc only)
<u>HypGetPOVItems</u>	Planning (ad hoc only)
	Planning Modules (ad hoc only)
	Financial Consolidation and Close (ad hoc only)
	Tax Reporting (ad hoc only)
	• Essbase
	Financial Management (ad hoc only) October Management (ad hoc only) October Management (ad hoc only)
	Oracle Hyperion Planning (ad hoc only)
<u>HypGetRowCount</u>	Planning (ad hoc only)
	Planning Modules (ad hoc only) Figure in Companies (ad hoc only)
	 Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only)
	Essbase
	Financial Management (ad hoc only)
	Oracle Hyperion Planning (ad hoc only)
<u>HypGetRowItems</u>	Planning (ad hoc only)
<u>пуроентомненіз</u>	Planning Modules (ad hoc only)
	Financial Consolidation and Close (ad hoc only)
	Tax Reporting (ad hoc only)
	Essbase
	Financial Management (ad hoc only)
	Oracle Hyperion Planning (ad hoc only)
	71



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
HypGetSharedConn ectionsURL	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypGetSheetInfo	All
HypGetSheetOption	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypGetSourceGrid	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
<u>HypGetSubstitution</u> <u>Variable</u>	Essbase
<u>HypGetVersion</u>	All
<u>HypHideRibbonMen</u> <u>u</u>	All
<u>HypHideRibbonMen</u> <u>uReset</u>	All
<u>HypInvalidateSSO</u>	All providers that support Single Signon (SSO)
<u>HyplsAncestor</u>	Essbase
HypIsAttribute HypIsCellWritable	Essbase Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypIsChild HypIsConnectedToS haredConnections	Essbase Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
<u>HypIsDataModified</u>	• Planning
	Planning Modules
	Financial Consolidation and Close To Departure:
	• Tax Reporting
	Essbase Financial Management
	Financial ManagementOracle Hyperion Planning
HypIsDescendant	Essbase
HypisExpense	Essbase
<u>HypisExpense</u> <u>HypisFreeForm</u>	• Planning
Tiypisi reel oilii	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Financial Management
	Oracle Hyperion Planning
<u>HyplsParent</u>	Essbase
<u>HyplsSmartViewCon</u>	• Planning
tentPresent	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Financial Management
	Oracle Hyperion Planning
<u>HyplsUDA</u>	Essbase
<u>HypKeepOnly</u>	Planning (ad hoc only)
	Planning Modules (ad hoc only)
	 Financial Consolidation and Close (ad hoc only)
	Tax Reporting (ad hoc only)
	• Essbase
	Financial Management (ad hoc only)
	Oracle Hyperion Planning (ad hoc only)
<u>HypListApplications</u>	Planning Planning
	Planning ModulesFinancial Consolidation and Close
	Tax ReportingEssbase
	Financial Management
	Oracle Hyperion Planning
<u>HypListCalcScripts</u>	Essbase
HypListCalcScriptsE	
X	Planning Modules
_	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Financial Management
	Oracle Hyperion Planning



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
HypListDatabases HypListDocuments	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Oracle Hyperion Planning Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase cloud Financial Management Oracle Hyperion Planning
HypListLROs	Essbase
HypListUserVariable <u>s</u>	 Planning Planning Modules Financial Consolidation and Close Tax Reporting
HypLoginEssbaseCl oudBasicAuth	Oracle Essbase cloud
<u>HypMenuVAbout</u>	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypMenuVAdjust</u>	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypMenuVBusiness Rules	 Planning Modules Financial Consolidation and Close Tax Reporting Essbase Oracle Hyperion Planning
HypMenuVCalculati on	Essbase Financial Management (ad hoc only)
HypMenuVCascade NewWorkbook	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Oracle Hyperion Planning



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
<u>HypMenuVCascade</u>	Planning
SameWorkbook	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Oracle Hyperion Planning
<u>HypMenuVCellText</u>	• Planning
	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	Financial Management
	Oracle Hyperion Planning
<u>HypMenuVCollapse</u>	Planning (forms only)
	Planning Modules (forms only)
	Financial Consolidation and Close (forms only)
	Tax Reporting (forms only)
	Oracle Hyperion Planning (forms only)
HypMenuVConnect	• Planning
	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Financial Management
	Oracle Hyperion Planning
<u>HypMenuVCopyDat</u>	• Planning
<u>aPoints</u>	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	• Essbase
	Financial Management
	Oracle Hyperion Planning
HypMenuVExpand	Planning (forms only)
	Planning Modules (forms only)
	Financial Consolidation and Close (forms only)
	Tax Reporting (forms only)
	Oracle Hyperion Planning (forms only)
HypMenuVFunction	• Planning
Builder	Planning Modules
	Financial Consolidation and Close
	Tax Reporting
	Essbase
	Financial Management
	Oracle Hyperion Planning
HypMenuVInstructio	Planning (forms only)
<u>n</u>	Planning Modules (forms only)
	Financial Consolidation and Close (forms only)
	Tax Reporting (forms only)
	Financial Management (forms only)
	Oracle Hyperion Planning (forms only)



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
HypMenuVKeepOnl Y	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
HypMenuVLRO	Essbase
HypMenuVMemberl nformation	Essbase
HypMenuVMember Selection	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypMenuVMigrate	Financial Management
<u>HypMenuVOptions</u>	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypMenuVPasteDat aPoints	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypMenuVPivot</u>	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
HypMenuVPOVMan ager	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
HypMenuVQueryDe signer	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
<u>HypMenuVRedo</u>	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
<u>HypMenuVRefresh</u>	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypMenuVRefreshA II	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypMenuVRefreshO fflineDefinition	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Oracle Hyperion Planning
HypMenuVRemove Only	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
HypMenuVRulesOn Form	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Oracle Hyperion Planning



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
HypMenuVRunRepo rt	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
HypMenuVSelectFor m	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypMenuVShowHel pHtml	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypMenuVSubmitD ata	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypMenuVSupportin gDetails	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Oracle Hyperion Planning
<u>HypMenuVSyncBac</u> <u>k</u>	Planning, Oracle Hyperion Planning
<u>HypMenuVTakeOffli</u> <u>ne</u>	Planning, Oracle Hyperion Planning
<u>HypMenuVUndo</u>	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)



Table 2-3 (Cont.) VBA Functions—Alphabetical List

HypMenuVVisualizei Planning (ad hoc only) Tax Reporting (ad hoc only) Essbase Pinancial (Amangement (ad hoc only) Planning (ad hoc onl		
Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Essbase Financial Management (ad hoc only) Planning (ad hoc only) Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Planning (ad hoc only) Financial Consolidation and Close (ad hoc only) Planning (ad hoc only) Planning (ad hoc only) Planning (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Consolidation and Close (ad hoc only) Planning Hodules (ad hoc only) Planning Modules (ad hoc only) Planning Modules Plannin	VBA Functions	Applicable Data Sources
Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only) Planning Modules (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Management (ad hoc only) Coracle Hyperion Planning (ad hoc only) Financial Management (ad hoc only) Financial Management (ad hoc only) Planning Modules (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Management (ad hoc only) Financial Management (ad hoc only) Planning (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Management Oracle Hyperion Planning Planning Modules Financial Consolidation and Close Tax Reporting Planning Modules Financial Consolidation and Close Tax Reporting Financial Consolidation and Close Financial Consolidat	<u>HypMenuVVisualizei</u>	Planning (ad hoc only)
Tax Reporting (ad hoc only)	<u>nExcel</u>	Planning Modules (ad hoc only)
Essbase Financial Management (ad hoc only)		 Financial Consolidation and Close (ad hoc only)
HypMenuVZoomIn HypMenuVZoomIn Planning (ad hoc only) Planning (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Management (ad hoc only) Coracle Hyperion Planning (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Management (ad hoc only) Planning (ad hoc only) Planning (ad hoc only) Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Financial Management (ad hoc only) Easbase Financial Management (ad hoc only) Financial Management (ad hoc only) Financial Management (ad hoc only) Financial Management Financial Management Oracle Hyperion Planning (ad hoc only) Financial Consolidation and Close Tax Reporting Planning Planning Planning Financial Consolidation and Close Tax Reporting Oracle Hyperion Planning Planning Planning Modules Financial Consolidation and Close Tax Reporting Oracle Hyperion Planning Planning Modules Financial Consolidation and Close Tax Reporting Planning Modules Financial Consolidation and Close Tax Reporting Planning Planning Modules Financial Consolidation and Close Tax Reporting Financial Consolidation and Close Tax Reporting Financial Consolidation and Close		Tax Reporting (ad hoc only)
- Oracle Hyperion Planning (ad hoc only) - Planning (ad hoc only) - Planning Modules (ad hoc only) - Financial Consolidation and Close (ad hoc only) - Tax Reporting (ad hoc only) - Tax Reporting (ad hoc only) - Cracle Hyperion Planning (ad hoc only) - Planning Modules (ad hoc only) - Financial Consolidation and Close (ad hoc only) - Financial Management (ad hoc only) - Tax Reporting (ad hoc only) - Financial Management (ad hoc only) - Planning Modules (ad hoc only) - Planning Modules (ad hoc only) - Planning Modules (ad hoc only) - Financial Consolidation and Close (ad hoc only) - Financial Management (ad hoc only) - Cracle Hyperion Planning (ad hoc only) - Planning Modules (ad hoc only) - Tax Reporting (ad hoc only) - Planning Modules - Financial Consolidation and Close - Tax Reporting - Planning - Pl		• Essbase
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Oracle Hyperion Planning		Oracle Hyperion Planning



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
<u>HypPivot</u>	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only)
HypPivotToGrid	 Oracle Hyperion Planning (ad hoc only) Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
HypPivotToPOV	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
HypPreserveFormatt ing	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypQueryMembers</u>	Essbase
<u>HypRedo</u>	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
HypRemoveConnect ion	



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
HypRemoveOnly	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only)
HypRemovePreserv edFormats	 Oracle Hyperion Planning (ad hoc only) Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypResetFriendlyNa me	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypRetrieve</u>	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
HypRetrieveAllWork books	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypRetrieveLRO	Essbase
<u>HypRetrieveNameR</u> <u>ange</u>	Essbase
<u>HypRetrieveRange</u>	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
HypSetActiveConne ction	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypSetActiveMemb</u> <u>er</u>	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypSetAliasTable</u>	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypSetAsDefault</u>	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypSetBackground POV	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypSetBasicAuthTo</u> <u>ken</u>	PlanningPlanning ModulesFinancial Consolidation and CloseTax Reporting
HypSetCellsDirty	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
HypSetColltems	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Oracle Hyperion Planning
HypSetConnAliasTa ble	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypSetConnectionIn fo	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
<u>HypSetCustomHead</u> <u>er</u>	Essbase cloud
<u>HypSetDimensions</u>	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
HypSetGlobalOption	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypSetLinkMacro</u>	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
<u>HypSetMembers</u>	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
HypSetMenu	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypSetOption</u>	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypSetPages</u>	 Planning (forms only) Planning Modules (forms only) Financial Consolidation and Close (forms only) Tax Reporting (forms only) Financial Management (forms only) Oracle Hyperion Planning (forms only)
HypSetPOV	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
HypSetPOVItems	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
HypSetRowItems	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
HypSetSharedConn ectionsURL HypSetSheetOption	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning Planning
Пуроссиностриси	 Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypSetSSO</u>	All providers that support Single Signon (SSO)
<u>HypSetSubstitutionV</u> <u>ariable</u>	Essbase
<u>HypSetUserVariable</u>	 Planning Planning Modules Financial Consolidation and Close Tax Reporting
HypShowPanel	All
<u>HypShowPov</u>	All
HypSubmitData	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning
<u>HypSubmitSelected</u> <u>DataCells</u>	Essbase
HypSubmitSelected RangeWithoutRefre sh	Essbase
<u>HypTranslate</u>	Financial Management (ad hoc only)
HypUlConnect	 Planning Planning Modules Financial Consolidation and Close Tax Reporting Essbase Financial Management Oracle Hyperion Planning Oracle BI EE



Table 2-3 (Cont.) VBA Functions—Alphabetical List

VBA Functions	Applicable Data Sources
HypUndo	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
HypUpdateLRO	Essbase
HypUseLinkMacro	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
HypZoomIn	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
<u>HypZoomOut</u>	 Planning (ad hoc only) Planning Modules (ad hoc only) Financial Consolidation and Close (ad hoc only) Tax Reporting (ad hoc only) Essbase Financial Management (ad hoc only) Oracle Hyperion Planning (ad hoc only)
<u>InsertView</u>	Oracle Analytics Cloud
<u>InsertView</u>	Oracle BI EE
<u>InvokeMenu</u>	Oracle Analytics Cloud
<u>InvokeMenu</u>	Oracle BI EE
<u>ListJournals</u>	Financial Management and Oracle Journals Extension for Financial Management
<u>ListTemplates</u>	Financial Management and Oracle Journals Extension for Financial Management
<u>OpenJournal</u>	Financial Management and Oracle Journals Extension for Financial Management
<u>PasteView</u>	Oracle Analytics Cloud
<u>PasteView</u>	Oracle BI EE
<u>PerformAction</u>	Financial Management and Oracle Journals Extension for Financial Management
<u>Retrieve</u>	Oracle BI EE
<u>SaveJournal</u>	Financial Management and Oracle Journals Extension for Financial Management
SetJournalProperty	Financial Management and Oracle Journals Extension for Financial Management
<u>ValidateJournal</u>	Financial Management and Oracle Journals Extension for Financial Management



(i) Note

In this guide:

- Essbase on Oracle Cloud Infrastructure via Marketplace is referred to as "Essbase cloud."
- Essbase on Independent Deployments is referred to as "Essbase on-premises."
- When a guideline or caveat applies to both Essbase cloud and Essbase onpremises, then simply "Essbase" is used.

Menu Functions

Describes the Oracle Smart View for Office menu VBA functions.

Related Topics

About Menu Functions

Describes the Oracle Smart View for Office menu functions

HypMenuVAbout

Describes the Oracle Smart View for Office VBA function, HypMenuVAbout.

HypMenuVAdjust

Describes the Oracle Smart View for Office VBA function, HypMenuVAdjust.

HypMenuVBusinessRules

Describes the Oracle Smart View for Office VBA function, HypMenuVBusinessRules.

HypMenuVCalculation

Describes the Oracle Smart View for Office VBA function, HypMenuVCalculation.

HypMenuVCascadeNewWorkbook

Describes the Oracle Smart View for Office VBA function, HypMenuVCascadeNewWorkbook.

HypMenuVCascadeSameWorkbook

Describes the Oracle Smart View for Office VBA function, HypMenuVCascadeSameWorkbook.

HypMenuVCellText

Describes the Oracle Smart View for Office VBA function, HypMenuVCellText.

HypMenuVCollapse

Describes the Oracle Smart View for Office VBA function, HypMenuVCollapse.

HypMenuVConnect

Describes the Oracle Smart View for Office VBA function, HypMenuVConnect.

HypMenuVCopyDataPoints

Describes the Oracle Smart View for Office VBA function, HypMenuVCopyDataPoints.

HypMenuVExpand

Describes the Oracle Smart View for Office VBA function, HypMenuVExpand.

HypMenuVFunctionBuilder

Describes the Oracle Smart View for Office VBA function, HypMenuVFunctionBuilder.

HypMenuVInstruction

Describes the Oracle Smart View for Office VBA function, HypMenuVInstruction.

HypMenuVKeepOnly

Describes the Oracle Smart View for Office VBA function, HypMenuVKeepOnly.

HypMenuVLRO

Describes the Oracle Smart View for Office VBA function, HypMenuVLRO.

HypMenuVMemberInformation

Describes the Oracle Smart View for Office VBA function, HypMenuVMemberInformation.



HypMenuVMemberSelection

Describes the Oracle Smart View for Office VBA function, HypMenuVMemberSelection.

HypMenuVMigrate

Describes the Oracle Smart View for Office VBA function, HypMenuVMigrate.

HypMenuVOptions

Describes the Oracle Smart View for Office VBA function, HypMenuVOptions.

HypMenuVPasteDataPoints

Describes the Oracle Smart View for Office VBA function, HypMenuVPasteDataPoints.

HypMenuVPivot

Describes the Oracle Smart View for Office VBA function, HypMenuVPivot.

HypMenuVPOVManager

Describes the Oracle Smart View for Office VBA function, HypMenuVPOVManager.

HypMenuVQueryDesigner

Describes the Oracle Smart View for Office VBA function, HypMenuVQueryDesigner.

HypMenuVRedo

Describes the Oracle Smart View for Office VBA function, HypMenuVRedo.

HypMenuVRefresh

Describes the Oracle Smart View for Office VBA function, HypMenuVRefresh.

HypMenuVRefreshAll

Describes the Oracle Smart View for Office VBA function, HypMenuVRefreshAll.

HypMenuVRefreshOfflineDefinition

Describes the Oracle Smart View for Office VBA function, HypMenuVRefreshOfflineDefinition.

HypMenuVRemoveOnly

Describes the Oracle Smart View for Office VBA function, HypMenuVRemoveOnly.

HypMenuVRulesOnForm

Describes the Oracle Smart View for Office VBA function, HypMenuVRulesOnForm.

HypMenuVRunReport

Describes the Oracle Smart View for Office VBA function, HypMenuVRunReport.

• <u>HypMenuVSelectForm</u>

Describes the Oracle Smart View for Office VBA function, HypMenuVSelectForm.

HypMenuVShowHelpHtml

Describes the Oracle Smart View for Office VBA function, HypMenuVShowHelpHtml.

HypMenuVSubmitData

Describes the Oracle Smart View for Office VBA function, HypMenuVSubmitData.

HypMenuVSupportingDetails

Describes the Oracle Smart View for Office VBA function, HypMenuVSupportingDetails.

HypMenuVSyncBack

Describes the Oracle Smart View for Office VBA function, HypMenuVSyncBack.

HypMenuVTakeOffline

Describes the Oracle Smart View for Office VBA function, HypMenuVTakeOffline.

HypMenuVUndo

Describes the Oracle Smart View for Office VBA function, HypMenuVUndo.

• <u>HypMenuVVisualizeinExcel</u>

Describes the Oracle Smart View for Office VBA function, HypMenuVVisualizeinExcel.



HypMenuVZoomIn

Describes the Oracle Smart View for Office VBA function, HypMenuVZoomIn.

HypMenuVZoomOut

Describes the Oracle Smart View for Office VBA function, HypMenuVZoomOut.

HypExecuteMenu

Describes the Oracle Smart View for Office VBA function, HypExecuteMenu.

HypHideRibbonMenu

Describes the Oracle Smart View for Office VBA function, HypHideRibbonMenu.

HypHideRibbonMenuReset

Describes the Oracle Smart View for Office VBA function, HypHideRibbonMenuReset.

About Menu Functions

Describes the Oracle Smart View for Office menu functions

VBA menu functions are identical to the equivalent commands on the Smart View menu and ribbon. The requirements for the menu functions are the same as those for the menu commands. For example, if you must be logged in to an Oracle Essbase server to use a menu command, then you must also be logged in to an Essbase server to use the equivalent VBA command.

HypMenuVAbout

Describes the Oracle Smart View for Office VBA function, HypMenuVAbout.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypMenuVAbout() opens the Help About screen.

Syntax

HypMenuVAbout()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVAbout Lib "HsAddin" () As Long
    Sub MAbout()
X=HypMenuVAbout()
End Sub
```



HypMenuVAdjust

Describes the Oracle Smart View for Office VBA function, HypMenuVAdjust.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypMenuVAdjust() opens the Adjust Data dialog box.

Syntax

HypMenuVAdjust()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVAdjust Lib "HsAddin" () As Long
Sub MAdjust()
    X=HypMenuVAdjust()
End Sub
```

HypMenuVBusinessRules

Describes the Oracle Smart View for Office VBA function, HypMenuVBusinessRules.

Cloud data provider types: Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Hyperion Planning

Description

HypMenuVBusinessRules() opens the **Business Rules** dialog box.

Syntax

HypMenuVBusinessRules()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVBusinessRules Lib "HsAddin" () As Long
Sub MBusinessRules()
   X=HypMenuVBusinessRules()
End Sub
```



HypMenuVCalculation

Describes the Oracle Smart View for Office VBA function, HypMenuVCalculation.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase, Oracle Hyperion Financial Management (ad hoc only)

Description

HypMenuVCalculation() opens the Calculation Scripts dialog box.

Syntax

HypMenuVCalculation()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVCalculation Lib "HsAddin"() As Long
Sub MCalc()
    X=HypMenuVCalculation()
End Sub
```

HypMenuVCascadeNewWorkbook

Describes the Oracle Smart View for Office VBA function, HypMenuVCascadeNewWorkbook.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning

Description

HypMenuVCascadeNewWorkbook() opens the **Member Selection** dialog box to begin the cascading process to worksheets of a newly-opened Excel workbook.

Syntax

HypMenuVCascadeNewWorkbook()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Public Declare Function HypMenuVCascadeNewWorkbook Lib "HsAddin" () As Long Sub MCascadeNewWorkbook()



X=HypMenuVCascadeNewWorkbook()
End Sub

HypMenuVCascadeSameWorkbook

Describes the Oracle Smart View for Office VBA function, HypMenuVCascadeSameWorkbook.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning

Description

HypMenuVCascadeSameWorkbook() opens the **Member Selection** dialog box to begin the cascading process to the same workbook.

Syntax

HypMenuVCascadeSameWorkbook()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVCascadeSameWorkbook Lib "HsAddin" () As Long
Sub MCascadeSameWorkbook()
    X=HypMenuVCascadeSameWorkbook()
End Sub
```

HypMenuVCellText

Describes the Oracle Smart View for Office VBA function, HypMenuVCellText.

Cloud data provider types: Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypMenuVCellText() opens the **Cell Comments** dialog box.

Syntax

HypMenuVCellText()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.



Example

```
Public Declare Function HypMenuVCellText Lib "HsAddin" () As Long
Sub MCellText()
   X=HypMenuVCellText()
End Sub
```

HypMenuVCollapse

Describes the Oracle Smart View for Office VBA function, HypMenuVCollapse.

Cloud data provider types: Planning (forms only), Planning Modules (forms only), Financial Consolidation and Close (forms only), Tax Reporting (forms only)

On-premises data provider types: Oracle Hyperion Planning (forms only)

Description

HypMenuVCollapse() collapses all levels of detail for the selected cells.

Syntax

HypMenuVCollapse()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVCollapse Lib "HsAddin" () As Long
Sub MHypMenuVCollapse()
   X=HypMenuVCollapse()
End Sub
```

HypMenuVConnect

Describes the Oracle Smart View for Office VBA function, HypMenuVConnect.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypMenuVConnect() opens the Smart View Panel and enables users to connect to a data provider.

Syntax

HypMenuVConnect()



Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypMenuVConnect Lib "HsAddin"() As Long
Sub MConn()
   X=HypMenuVConnect()
End Sub
```

HypMenuVCopyDataPoints

Describes the Oracle Smart View for Office VBA function, HypMenuVCopyDataPoints.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypMenuVCopyDataPoints() copies data points from Excel for pasting into Word or PowerPoint. See also https://example.com/hypMenuVPasteDataPoints.

Syntax

HypMenuVCopyDataPoints()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVCopyDataPoints Lib "HsAddin" () As Long
Sub MCopyDataPoints()
X=HypMenuVCopyDataPoints()
End Sub
```

HypMenuVExpand

Describes the Oracle Smart View for Office VBA function, HypMenuVExpand.

Cloud data provider types: Planning (forms only), Planning Modules (forms only), Financial Consolidation and Close (forms only), Tax Reporting (forms only)

On-premises data provider types: Oracle Hyperion Planning (forms only)

Description

HypMenuVExpand() displays all levels of detail for the selected cells.



Syntax

HypMenuVExpand()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVExpand Lib "HsAddin" () As Long
Sub MExpand()
   X=HypMenuVExpand()
End Sub
```

HypMenuVFunctionBuilder

Describes the Oracle Smart View for Office VBA function, HypMenuVFunctionBuilder.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypMenuVFunctionBuilder() opens the Function Builder.

Syntax

HypMenuVFunctionBuilder()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVFunctionBuilder Lib "HsAddin" () As Long
Sub MFunctionBuilder()
   X=HypMenuVFunctionBuilder()
End Sub
```

HypMenuVInstruction

Describes the Oracle Smart View for Office VBA function, HypMenuVInstruction.

Cloud data provider types: Planning (forms only), Planning Modules (forms only), Financial Consolidation and Close (forms only), Tax Reporting (forms only)

On-premises data provider types: Oracle Hyperion Planning (forms only), Oracle Hyperion Financial Management (forms only)



HypMenuVInstruction() opens the Instructions dialog box.

Syntax

Returns 0 if successful; otherwise, returns the appropriate error code.

Return Value

HypMenuVInstruction()

Example

```
Public Declare Function HypMenuVInstruction Lib "HsAddin" () As Long
Sub MInstruction()
   X=HypMenuVInstruction()
End Sub
```

HypMenuVKeepOnly

Describes the Oracle Smart View for Office VBA function, HypMenuVKeepOnly.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypMenuVKeepOnly() retains only the selected member (the active cell) or member range in the sheet.

Syntax

HypMenuVKeepOnly()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypMenuVKeepOnly Lib "HsAddin"() As Long
Sub MKeepOnly()
   X=HypMenuVKeepOnly()
End Sub
```

HypMenuVLRO

Describes the Oracle Smart View for Office VBA function, HypMenuVLRO.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase



HypMenuVLRO() opens the Linked Objects dialog box.

Syntax

HypMenuVLRO()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVLRO Lib "HsAddin" () As Long
Sub MLRO()
   X=HypMenuVLRO()
End Sub
```

HypMenuVMemberInformation

Describes the Oracle Smart View for Office VBA function, HypMenuVMemberInformation.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypMenuVMemberInformation() opens the Member Information dialog box.

Syntax

HypMenuVMemberInformation()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVMemberInformation Lib "HsAddin" () As Long
Sub MMemberInformation()
   X=HypMenuVMemberInformation()
End Sub
```

HypMenuVMemberSelection

Describes the Oracle Smart View for Office VBA function, HypMenuVMemberSelection.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management



HypMenuVMemberSelection() opens the Member Selection dialog box.

Syntax

HypMenuVMemberSelection()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVMemberSelection Lib "HsAddin" () As Long
Sub MMemberSelection()
   X=HypMenuVMemberSelection()
End Sub
```

HypMenuVMigrate

Describes the Oracle Smart View for Office VBA function, HypMenuVMigrate.

Data provider types: Oracle Hyperion Financial Management

Description

HypMenuVMigrate() launches the Financial Management migration utility for **Active WorkBook Migration** and **Batch Migration**.

Syntax

HypMenuVMigrate (vtOption, vtOutput)

ByVal vtOption As Variant

ByRef vtOutput As Variant

Parameters

vtOption: Number that indicates the migration utility to be launched:

- 1—Financial Management Active Workbook Migration
- 2—Financial Management Batch Migration

vtOutput: Output parameter. Returns the migration result.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVMigrate Lib "HsAddin" (ByVal vtOption As Variant, ByRef vtOutput As Variant) As Long

Sub MigrateHFM()
```



```
sts = HypMenuVMigrate(1, out)
MsgBox (out)
MsgBox (sts)
End Sub
```

HypMenuVOptions

Describes the Oracle Smart View for Office VBA function, HypMenuVOptions.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Data provider types:

Description

HypMenuVOptions() opens the Options dialog box.

Syntax

HypMenuVOptions()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypMenuVOptions Lib "HsAddin"() As Long
Sub MOptions()
   X=HypMenuVOptions()
End Sub
```

HypMenuVPasteDataPoints

Describes the Oracle Smart View for Office VBA function, HypMenuVPasteDataPoints.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypMenuVPasteDataPoints() pastes data points that were copied from Excel into Word or PowerPoint. See also <u>HypMenuVCopyDataPoints</u>.

Syntax

HypMenuVPasteDataPoints()



Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVPasteDataPoints Lib "HsAddin" () As Long
Sub MVPasteDataPoints()
   X=HypMenuVPasteDataPoints()
End Sub
```

HypMenuVPivot

Describes the Oracle Smart View for Office VBA function, HypMenuVPivot.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only). Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypMenuVPivot() pivots the members associated with the selected cell.

Syntax

HypMenuVPivot()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypMenuVPivot Lib "HsAddin"() As Long
Sub MPivot()
   X=HypMenuVPivot()
End Sub
```

HypMenuVPOVManager

Describes the Oracle Smart View for Office VBA function, HypMenuVPOVManager.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypMenuVPOVManager() opens the POV Manager.



Syntax

HypMenuVPOVManager()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVPOVManager Lib "HsAddin" () As Long
Sub MPOVManager()
   X=HypMenuVPOVManager()
End Sub
```

HypMenuVQueryDesigner

Describes the Oracle Smart View for Office VBA function, HypMenuVQueryDesigner.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypMenuVQueryDesigner() opens the Query Designer.

Syntax

HypMenuVQueryDesigner()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypMenuVQueryDesigner Lib "HsAddin"() As Long
Sub MDesigner()
   X=HypMenuVQueryDesigner ()
End Sub
```

HypMenuVRedo

Describes the Oracle Smart View for Office VBA function, HypMenuVRedo.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)



HypMenuVRedo() reverses an Undo operation.

Syntax

HypMenuVRedo()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVRedo Lib "HsAddin" () As Long
Sub MRedo()
   X=HypMenuVRedo()
End Sub
```

HypMenuVRefresh

Describes the Oracle Smart View for Office VBA function, HypMenuVRefresh.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypMenuVRefresh() refreshes the active worksheet.

Syntax

HypMenuVRefresh()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypMenuVRefresh Lib "HsAddin"() As Long
Sub MRetrieve()
   X=HypMenuVRefresh()
End Sub
```

HypMenuVRefreshAll

Describes the Oracle Smart View for Office VBA function, HypMenuVRefreshAll.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting



On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypMenuVRefreshAll() refreshes data in all connected worksheets in an Excel workbook.

Syntax

HypMenuVRefreshAll()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVRefreshAll Lib "HsAddin" () As Long
Sub MRefreshAll()
   X=HypMenuVRefreshAll()
End Sub
```

HypMenuVRefreshOfflineDefinition

Describes the Oracle Smart View for Office VBA function, HypMenuVRefreshOfflineDefinition.

Cloud data provider types: Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Hyperion Planning

Description

HypMenuVRefreshOfflineDefinition() refreshes the Offline data form definition and data.

Syntax

HypMenuVRefreshOfflineDefinition()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVRefreshOfflineDefinition Lib "HsAddin" () As
Long
Sub MRefreshOfflineDefinition()
   X=HypMenuVRefreshOfflineDefinition()
End Sub
```



HypMenuVRemoveOnly

Describes the Oracle Smart View for Office VBA function, HypMenuVRemoveOnly.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypMenuVRemoveOnly() removes only the selected member or member range in the sheet.

Syntax

HypMenuVRemoveOnly()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypMenuVRemoveOnly Lib "HsAddin"() As Long
Sub MRemoveOnly()
   X=HypMenuVRemoveOnly()
End Sub
```

HypMenuVRulesOnForm

Describes the Oracle Smart View for Office VBA function, HypMenuVRulesOnForm.

Cloud data provider types: Planning (forms only), Planning Modules (forms only), Financial Consolidation and Close (forms only), Tax Reporting (forms only)

On-premises data provider types: Oracle Hyperion Planning (forms only)

Description

HypMenuVRulesOnForm() opens the Rules on Form dialog box.

Syntax

HypMenuVRulesOnForm()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVRulesOnForm Lib "HsAddin" () As Long
Sub MRulesOnForm()
   X=HypMenuVRulesOnForm()
End Sub
```



HypMenuVRunReport

Describes the Oracle Smart View for Office VBA function, HypMenuVRunReport.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypMenuVRunReport() runs a report designed in the Query Designer.

Syntax

HypMenuVRunReport()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVRunReport Lib "HsAddin" () As Long
Sub MRunReport()
   X=HypMenuVRunReport()
End Sub
```

HypMenuVSelectForm

Describes the Oracle Smart View for Office VBA function, HypMenuVSelectForm.

Cloud data provider types: Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypMenuVSelectForm() opens the **Select Form** dialog box.

Syntax

HypMenuVSelectForm()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Public Declare Function HypMenuVSelectForm Lib "HsAddin" () As Long Sub MSelectForm()



X=HypMenuVSelectForm()
End Sub

HypMenuVShowHelpHtml

Describes the Oracle Smart View for Office VBA function, HypMenuVShowHelpHtml.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypMenuVShowHelpHtml() launches the online help.

Syntax

HypMenuVShowHelpHtml(vtHelpPage)

ByVal vtHelpPage As Variant

Parameter

vtHelpPage: The name of the HTML file that launches the help.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVShowHelpHtml Lib "HsAddin" (ByVal vtHelpPage
As Variant) As Long
Sub MShowHelpHtml()
    X=HypMenuVShowHelpHtml("SVPBC-over_olh_6")
End Sub
```

HypMenuVSubmitData

Describes the Oracle Smart View for Office VBA function, HypMenuVSubmitData.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypMenuVSubmitData() submits data that has been modified or marked as dirty with HypSetCellsDirty to the active database on the server.

Syntax

HypMenuVSubmitData()



Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypMenuVSubmitData Lib "HsAddin"() As Long
Sub MSubmit()
   X=HypMenuVSubmitData()
End Sub
```

HypMenuVSupportingDetails

Describes the Oracle Smart View for Office VBA function, HypMenuVSupportingDetails.

Cloud data provider types: Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Hyperion Planning

Description

HypMenuVSupportingDetails() opens the Supporting Details dialog box..

Syntax

HypMenuVSupportingDetails()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVSupportingDetails Lib "HsAddin" () As Long
Sub MSupportingDetails()
   X=HypMenuVSupportingDetails()
End Sub
```

HypMenuVSyncBack

Describes the Oracle Smart View for Office VBA function, HypMenuVSyncBack.

Data provider types: Oracle Hyperion Planning

Description

HypMenuVSyncBack() synchronizes data from an offline Oracle Hyperion Planning data form to the server.

Syntax

HypMenuVSyncBack()



Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVSyncBack Lib "HsAddin" () As Long
Sub MSyncBack()
   X=HypMenuVSyncBack()
End Sub
```

HypMenuVTakeOffline

Describes the Oracle Smart View for Office VBA function, HypMenuVTakeOffline.

Data provider types: Oracle Hyperion Planning

Description

HypMenuVTakeOffline() launches the **Take Offline** wizard.

Syntax

HypMenuVTakeOffline()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVTakeOffline Lib "HsAddin" () As Long
Sub MTakeOffline()
   X=HypMenuVTakeOffline()
End Sub
```

HypMenuVUndo

Describes the Oracle Smart View for Office VBA function, HypMenuVUndo.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypMenuVUndo() restores the previous database view.

Syntax

HypMenuVUndo()



Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVUndo Lib "HsAddin" () As Long
Sub MUndo()
   X=HypMenuVUndo()
End Sub
```

HypMenuVVisualizeinExcel

Describes the Oracle Smart View for Office VBA function, HypMenuVVisualizeinExcel.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypMenuVVisualizeinExcel() retrieves the Excel spreadsheet from which data points were copied to Word or PowerPoint.

Syntax

HypMenuVVisualizeinExcel()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypMenuVVisualizeinExcel Lib "HsAddin" () As Long
Sub MVisualizeinExcel()
X=HypMenuVVisualizeinExcel()
End Sub
```

HypMenuVZoomIn

Describes the Oracle Smart View for Office VBA function, HypMenuVZoomIn.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypMenuVZoomIn() expands the view of data according to the options specified in the Options dialog box.



Syntax

HypMenuVZoomIn()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypMenuVZoomIn Lib "HsAddin"() As Long
Sub MZoomIn()
   X=HypMenuVZoomIn()
End Sub
```

HypMenuVZoomOut

Describes the Oracle Smart View for Office VBA function, HypMenuVZoomOut.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypMenuVZoomOut() collapses the view of data.

Syntax

HypMenuVZoomOut()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypMenuVZoomOut Lib "HsAddin"() As Long
Sub MZoomOut()
   X=HypMenuVZoomOut()
End Sub
```

HypExecuteMenu

Describes the Oracle Smart View for Office VBA function, HypExecuteMenu.

Data provider types: All

Description

HypExecuteMenu() executes the specified menu or ribbon item.

You can use HypExecuteMenu only with these controls: button, split button, menu, dynamic menu, and toggle button (toggle buttons for extensions are not supported).



Syntax

HypExecuteMenu (vtSheetName, vtMenuName) As Long

ByVal vtSheetName As Variant

ByVal vtMenuName As Variant

Parameters

vtSheetName: Input parameter; the name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtMenuName: Input parameter; the name of the menu item to execute.

- For items that are displayed on multiple ribbons or menus, you must prepend the ribbon title to the item name using the characters -> to avoid ambiguity. For example, to distinguish between **Refresh** on the Smart View ribbon and **Refresh** on the Oracle Essbase ribbon, use Smart View->Refresh or Essbase->Refresh. Duplicate items within the same data provider or extension ribbon cannot be used.
- Only items associated with an action are supported. For example, Panel can be used, because it opens the Smart View Panel. Connections cannot be used, because it is not associated with an action.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code. Common error codes for this function are -15 (invalid parameter) and -73 (ambiguity: "Could not resolve menu name").

Examples

For Refresh

```
Public Declare Function HypExecuteMenu Lib "HsAddin" (ByVal vtSheetName As
Variant,ByVal vtMenuName As Variant) As Long
Sub Example_ExecuteMenu()
sts = HypExecuteMenu("Sheet1", "Panel") 'returns 0
sts = HypExecuteMenu(Empty, "Smart View->Refresh") 'returns 0
sts = HypExecuteMenu("Sheet1", "Refresh") 'returns -73(ambiguity)
sts = HypExecuteMenu("Sheet1", "Connections") 'returns -15(invalid parameter because "Connections" is not associated with an action)
End Sub
```

If you are working with a non-English language, then vtMenuName requires the localized value the menu name in Smart View.

For example, if you are working with French, then vtMenuName would use the French value of Refresh in Smart View. The examples below compare the English and French parameter definitions for Refresh:

English:

```
sts = HypExecuteMenu(Empty, "Smart View->Refresh")
```



French:

```
sts = HypExecuteMenu(Empty, "Smart View->Actualiser")
```

For Submit Without Refresh

```
Sub TestEssbaseSubmitData()
sts = HypExecuteMenu(Empty, "Essbase->Submit Data Without Refresh")
Debug.Print (sts)
End Sub
```

For Submit Data Range

```
Sub TestEssbaseSubmitData()
sts = HypExecuteMenu(Empty, "Essbase->Submit Data Range")
Debug.Print (sts)
End Sub
```

HypHideRibbonMenu

Describes the Oracle Smart View for Office VBA function, HypHideRibbonMenu.

Data provider types: All

Description

Hides ribbon menus and menu items. Also hides context ribbon menus and menu items based on sheet input.

Smart View ribbon customization is applicable for any sheet. Context ribbon customization is sheet-based.

Syntax

Public Declare Function HypHideRibbonMenu Lib "HsAddin" (ByVal vtSheetName As Variant, ParamArray vtMenus() As Variant) As Long

ByVal vtSheetName As Variant

ParamArray vtMenus() As Variant

Parameters

vtSheetName: Input variable containing the sheet name on which ribbon menus and menu items are to be hidden. If vtSheetName is Null or Empty, the active worksheet is used.

vtMenus: Input variable containing ribbon menu names and menu item names to be hidden.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code. A common error code for this function is -73 (ambiguity).



Example

```
Sub HideMenus()
sts = HypHideRibbonMenu ("Sheetl", "Smart View->Submit Data", "Panel")
sts = HypHideRibbonMenu("Sheetl", "Smart View->Refresh->Refresh")
'Hides the submenu item Refresh under the Refresh split button
sts = HypHideRibbonMenu("Sheetl", "Essbase->POV", "Smart View->Copy",
"Essbase->Same Workbook")
'Hides menu items for different ribbons on the same sheet
End Sub
```

HypHideRibbonMenuReset

Describes the Oracle Smart View for Office VBA function, HypHideRibbonMenuReset.

Data provider types: All

Description

Resets visibility of the ribbon menus and menu items hidden on the sheet using HypHideRibbonMenu.

Syntax

Public Declare Function HypHideRibbonMenuReset Lib "HsAddin" (ByVal vtSheetName As Variant) As Long

ByVal vtSheetName As Variant

Parameters

vtSheetName: Input variable containing the sheet name on which the hidden menus and hidden menu items are to be reset to visible state. If vtSheetName is Null or Empty, the active worksheet is used.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Sub HideMenuReset()
sts = HypHideRibbonMenuReset ("Sheet1")
'Resets the visibility of menus and menu items hidden on this sheet
End Sub
```

General Functions

Describes the Oracle Smart View for Office general VBA functions.

Related Topics

About General Functions

Describes the Oracle Smart View for Office general VBA functions.

HypShowPanel

Describes the Oracle Smart View for Office VBA function, HypShowPanel.

HypGetVersion

Describes the Oracle Smart View for Office VBA function, HypGetVersion.

HypListApplications

Describes the Oracle Smart View for Office VBA function, HypListApplications.

HypListDatabases

Describes the Oracle Smart View for Office VBA function, HypListDatabases.

HypGetErrorInfo

Describes the Oracle Smart View for Office VBA function, HypGetErrorInfo.

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Describes the Oracle Smart View for Office VBA function, HypGetLastError.

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Describes the Oracle Smart View for Office VBA function, HypShowPov.

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Describes the Oracle Smart View for Office VBA function, HypSetMenu.

HypCopyMetaData

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HypIsDataModified

Describes the Oracle Smart View for Office VBA function, HypIsDataModified.

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HypIsFreeForm

Describes the Oracle Smart View for Office VBA function, HypIsFreeForm.

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HypGetDatabaseNote

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Describes the Oracle Smart View for Office VBA function, HypGetSheetInfo.

HypListDocuments

Describes the Oracle Smart View for Office VBA function, HypListDocuments.

HypListUserVariables

Describes the Oracle Smart View for Office VBA function, HypListUserVariables.

HypSetUserVariable

Describes the Oracle Smart View for Office VBA function, HypSetUserVariable.

About General Functions

Describes the Oracle Smart View for Office general VBA functions.

General VBA functions perform actions, set options, or retrieve information typically performed from the Smart View ribbon or Options dialog box.

HypShowPanel

Describes the Oracle Smart View for Office VBA function, HypShowPanel.

Data provider types: All

Description

HypShowPanel () shows or hides the Smart View Panel. Once hidden, the Smart View Panel will be displayed only when the user selects **Panel** on the Smart View ribbon or runs HypShowPanel.

Syntax

HypShowPanel Lib (bShow)

ByVal bShow As Boolean

Parameters

bShow: Set to True to show the Smart View Panel. Set to False to hide the Smart View Panel

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.



Examples

To show the Smart View Panel:

```
Public Declare Function HypShowPanel Lib "HsAddin" (ByVal bShow As Boolean)
As Long
Sub Example_HypShowPanel()
sts = HypShowPanel(True)
End Sub
```

To hide the Smart View Panel:

```
Public Declare Function HypShowPanel Lib "HsAddin" (ByVal bShow As Boolean)
As Long
Sub Example_HypShowPanel()
sts = HypShowPanel(False)
End Sub
```

HypGetVersion

Describes the Oracle Smart View for Office VBA function, HypGetVersion.

Data provider types: All

Description

HypGetVersion() retrieves any of the following information about the installed version of Smart View and creates a version information file:

- Product version number
- Build number
- Build date
- build version

Syntax

HypGetVersion (vtID, vtValueList, vtVersionInfoFileCommand)

ByVal vtID As Variant

ByRef vtValueList As Variant

ByVal vtVersionInfoFileCommand As Variant

Parameters

vtID: Input parameter; the ID for which the information is required; can be one of the following constants or strings or empty:

- BUILD_DATE or "BUILD DATE"
- BUILD_NUMBER or "BUILD NO"
- BUILD_VERSION or "VERSION"
- PRODUCT_ID or "PRODUCT" ID



 Empty: If empty, the output list contains all information in the version information file with comma-separated values.

vtValueList: Output parameter; the array list or required value

vtVersionInfoFileCommand: Input parameter; a numerical command ID to save or launch the version information file if vtID is empty. Possible values:

- 0- Do nothing
- 1- Save the version information file
- 2- Launch the version information file

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code

Examples

To create a message box that displays the build version:

```
Public Declare Function HypGetVersion Lib "HsAddin" (ByVal vtID As Variant,
ByRef vtValueList As Variant, ByVal vtVersionInfoFileCommand As Variant) As
Long
Sub Example_HypGetVersion()
sts = HypGetVersion(BUILD_VERSION, version, 0)
MsgBox version(0)
End Sub
```

To retrieve and save version information in a version information file:

```
Public Declare Function HypGetVersion Lib "HsAddin" (ByVal vtID As Variant,
ByRef vtValueList As Variant, ByVal vtVersionInfoFileCommand As Variant) As
Long
Sub Example_HypGetVersion()
sts = HypGetVersion("", versioninfo, 1) 'saves version info file in user
directory and gets array
inf = versioninfo(0) 'gets the information in 0th array element
End Sub
```

HypListApplications

Describes the Oracle Smart View for Office VBA function, HypListApplications.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypListApplications() gets the list of applications and their descriptions for the requested provider.



Syntax

HypListApplications (vtURL, vtServerName, vtUserName, vtPassword, vtApplications, vtAppsDescriptions)

ByVal vtURL As Variant

ByVal vtServerName As Variant

ByVal vtUserName As Variant

ByVal vtPassword As Variant

ByRef vtApplications As Variant

ByRef vtAppsDescriptions As Variant

Parameters

vtURL: URL of the provider vtServerName: Server name vtUserName: User name vtPassword: Password

vtApplications: List of applications

vtAppsDescriptions: List of application descriptions

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

This example combines the HypListApplications and HypListDatabases functions.

```
Sub test()
Dim url As Variant
Dim srv As Variant
Dim SSO As Variant
Dim username As Variant
Dim password As Variant
Dim app As Variant
Dim Applist As Variant
Dim AppDescList As Variant
Dim AppCubeList As Variant
'Essbase
url = "http://<server>:<port>/aps/SmartView"
app = "Sample"
srv = "EssbaseCluster-1"
username = "<username>"
password = "<password>"
ss = HypConnect("Sheet1", "admin", "ppp", "Conn123")
ss = HypListApplications(url, srv, <username>, <password>, Applist,
```



```
AppDescList)
ss = HypListDatabases(url, srv, <username>, <password>, app, AppCubeList)
MsgBox (ss)
End Sub
```

HypListDatabases

Describes the Oracle Smart View for Office VBA function, HypListDatabases.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning

Description

HypListDatabases() gets the list of cubes (databases) present under an application for the requested provider.

Syntax

HypListDatabases (vtURL, vtServerName, vtUserName, vtPassword, vtApplication, vtApplicationCubeList)

ByVal vtURL As Variant

ByVal vtServerName As Variant

ByVal vtUserName As Variant

ByVal vtPassword As Variant

ByVal vtApplication As Variant

ByRef vtApplicationCubeList As Variant

Parameters

vtURL: URL of the provider

vtServerName: Server name

vtUserName: User name vtPassword: Password

vtApplication: Application name

vtApplicationCubeList: List of cubes (databases)

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.



This example combines the HypListApplications and HypListDatabases functions.

```
Sub test()
Dim url As Variant
Dim srv As Variant
Dim SSO As Variant
Dim username As Variant
Dim password As Variant
Dim app As Variant
Dim Applist As Variant
Dim AppDescList As Variant
Dim AppCubeList As Variant
'Essbase
url = "http://<server>:<port>/aps/SmartView"
app = "Sample"
srv = "EssbaseCluster-1"
username = "<username>"
password = "<password>"
ss = HypConnect("Sheet1", "admin", "ppp", "Conn123")
ss = HypListApplications(url, srv, <username>, <password>, Applist,
AppDescList)
ss = HypListDatabases(url, srv, <username>, <password>, app, AppCubeList)
MsqBox (ss)
End Sub
```

HypGetErrorInfo

Describes the Oracle Smart View for Office VBA function, HypGetErrorInfo.

Data provider types: All

Description

HypGetErrorInfo() behaves as a lookup table for error strings, returning meaningful strings for most of the documented error codes.

(i) Note

- Many negative error codes will return "Unsupported error"; this assumes that these codes are no longer in use.
- Some error codes will return "Check Last Error from provider for more information". In these cases, you must use the HypGetLastError VBA function for more error information.



Syntax

Public Declare PtrSafe Function HypGetErrorInfo Lib "HsAddin" (ByVal vtErrorCode As Variant, ByRef vtErrorMessage As Variant) As Long

ByRef vtErrorCode As Variant

ByRef vtErrorMessage As Variant

Parameters

vtErrorCode: Error code for which information is needed

vtErrorMessage: Output error message for the respective error code

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Sub TestErrorInfoVBA()
ss = 20000 'some error code returned by a smart view vba
If Not ss = 0 Then
   Dim ErrInfo
   HypGetErrorInfo ss, ErrInfo
   MsgBox ErrInfo
End If
End Sub
```

HypGetLastError

Describes the Oracle Smart View for Office VBA function, HypGetLastError.

Data provider types: All

Description

HypGetLastError() returns the last error message stored in Smart View. It retrieves the error message as it is stored in the server (error messages returned via VBA functions may not match those retrieved from the server).

Syntax

HypGetLastError (vtErrorCode, vtErrorMessage, vtErrorDescription)

ByRef vtErrorCode As Variant

ByRef vtErrorMessage As Variant

ByRef vtErrorDescription As Variant

Parameters

vtErrorCode: The error code number
vtErrorMessage: The error message

vtErrorDescription: A description of the error



Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Public Declare Function HypGetLastError Lib "HsAddin" (ByRef vtErrorCode As
Variant, ByRef vtErrorMessage As Variant, ByRef vtErrorDescription As
Variant) As Long
Sub Example_HypGetLastError
ReturnValue = HypGetLastError(ErrorCodeValue, ErrorMessageValue,
ErrorDescriptionValue)
End Sub

HypShowPov

Describes the Oracle Smart View for Office VBA function, HypShowPov.

Data provider types: All

Description

HypShowPov() shows or hides the POV toolbar.

Syntax

HypShowPov(bShowPov)

ByVal bShowPov As Boolean

Parameters

bShowPov: Set to True to show the POV toolbar. Set to False to hide the POV toolbar.

Return Value

Returns 0 if successful; otherwise, the appropriate error code.

Example

```
Public Declare Function HypShowPov Lib "HsAddin" (ByVal bShowPov As Boolean)
As Long
Sub Example_HypShowPov()
X=HypShowPov(True)
End Sub
```

HypSetMenu

Describes the Oracle Smart View for Office VBA function, HypSetMenu.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting



On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

In Excel, HypSetMenu() shows or hides the Smart View and data provider ribbons.

Syntax

HypSetMenu(bSetMenu)

ByVal bSetMenu As Boolean

Parameters

bSetMenu: Set to True to show the ribbons or menu. Set to False to hide the menu or ribbons.

Return Value

Returns 0 if successful; otherwise, the appropriate error code

Example

Declare Function HypSetMenu Lib "HsAddin" (ByVal bSetMenu As Boolean) As Long Sub Example_HypSetMenu()
X=HypSetMenu(True)
End Sub

HypCopyMetaData

Describes the Oracle Smart View for Office VBA function, HypCopyMetaData.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypCopyMetaData() copies the metadata from one worksheet to another worksheet.

Syntax

HypCopyMetaData (vtSourceSheetName, vtDestinationSheetName)

ByVal vtSourceSheetName As Variant

ByVal vtDestinationSheetName As Variant

Parameters

vtSourceSheetName: The name of the worksheet that contains the data to be copied

vtDestinationSheetName: The name of the destination worksheet

Return Value

Returns 0 if successful; otherwise, the appropriate error code.



```
Public Declare Function HypCopyMetaData Lib "HsAddin" (ByVal vtSourceSheetName As Variant, ByVal vtDestinationSheetName As Variant) As Long Sub Example_HypCopyMetaData()
Dim LRet As Long
LRet = HypCopyMetaData ("Sheet1", "Sheet2")
End Sub
```

HypDeleteMetaData

Describes the Oracle Smart View for Office VBA function, HypDeleteMetaData.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management, Oracle Hyperion Reporting and Analysis

Description

HypDeleteMetaData() deletes Smart View metadata from the workbook in any of three modes:

- Mode 1—Delete all Smart View metadata only from the provided worksheet storage
- Mode 2—Delete all Smart View metadata only from the provided workbook storage
- Mode 3—Delete all Smart View metadata from the provided workbook storage and from all the worksheets' storage

Syntax

HypDeleteMetaData(vtDispObject, vtbWorkbook, vtbClearMetadataOnAllSheetsWithinWorkbook)

vtDispObject As Variant

vtbWorkbook As Variant

vtbClearMetadataOnAllSheetsWithinWorkbook As Variant

Parameters

vtDispObject: Dispatch object of worksheet or workbook that indicates where to delete metadata. If Null is passed, then **vtbWorkbook** determines the active worksheet or active workbook and will be operated upon.

vtbWorkbook: Boolean. Indicates that you passed worksheet dispatch or workbook dispatch. If Null is passed in vtDispObject, then this flag will determine that the user wants to delete metadata from active worksheet or active workbook.

vtbClearMetadataOnAllSheetsWithinWorkbook: Boolean. Specifies that Smart View metadata should be deleted from all sheets within the workbook. Used only if **vtbWorkbook** is True.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.



```
Public Declare Function HypDeleteMetaData Lib "HsAddin" (ByVal vtDispObject
As Variant, ByVal vtbWorkbook As Variant, ByVal
vtbClearMetadataOnAllSheetsWithinWorkbook As Variant) As Long
Sub Example_HypDeleteMetaData()
    Dim Ret As Long
    Dim Workbook As Workbook
    Dim Sheet As Worksheet
    Set Workbook = ActiveWorkbook
    Set Sheet = ActiveSheet
    'Ret = HypDeleteMetaData(oSheet, False, True)
                                                     'Mode 1
    Ret = HypDeleteMetaData(oWorkbook, True, False) 'Mode 2
    'Ret = HypDeleteMetaData(oWorkbook, True, True) 'Mode 3
    MsgBox
               (Ret)
End Sub
```

HypIsDataModified

Describes the Oracle Smart View for Office VBA function, HypIsDataModified.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypIsDataModified() determines whether any data cells have been modified but not yet submitted.

Syntax

HypIsDataModified (vtSheetName)

By Val vtSheetName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

Return Value

Returns True if the worksheet contains any data cells that have been modified but not yet submitted; otherwise, False.



```
Public Declare Function HypIsDataModified Lib "HsAddin" (ByVal vtSheetName As
Variant)As Boolean
Sub Example_HypIsDataModified()
Dim oRet As Boolean
oRet = HypIsDataModified(Empty)
MsgBox (oRet)
End Sub
```

HypIsSmartViewContentPresent

Describes the Oracle Smart View for Office VBA function, HypIsSmartViewContentPresent.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypIsSmartViewContentPresent() determines whether the sheet contains Smart View content.

Syntax

HypIsSmartViewContentPresent(vtSheetName, vtTypeOfContentsInSheet])

ByVal vtSheetName As Variant

ByRef vtTypeOfContentsInSheet

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtTypeOfContentsInSheet: Output parameter; returns the type of content on the worksheet. Possible values are in the enum as follows;.

```
Enum TYPE_OF_CONTENTS_IN_SHEET

EMPTY_SHEET

ADHOC_SHEET

FORM_SHEET

INTERACTIVE_REPORT_SHEET

End Enum
```

Return Value

Returns True if the worksheet contains Smart View content; otherwise, returns False.

Example

Public Declare Function HypIsSmartViewContentPresent Lib "HsAddin" (ByVal



```
vtSheetName As Variant, ByRef vtTypeOfContentsInSheet As
TYPE_OF_CONTENTS_IN_SHEET) As Boolean

Sub Example_HypIsSmartViewContentPresent()
    Dim Ret As Boolean
    Dim vtTypeOfContentsInSheet As TYPE_OF_CONTENTS_IN_SHEET
    Dim SheetName As String
    Dim SheetDisp As Worksheet

SheetName = Empty
    Set SheetDisp = Worksheets("Sheet1")
    Ret = HypIsSmartViewContentPresent (Empty, ContentType)

End Sub
```

HypIsFreeForm

Describes the Oracle Smart View for Office VBA function, HypIsFreeForm.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypIsFreeForm() determine whether the worksheet is in free-form mode.

Syntax

HypIsFreeForm (vtSheetName)

By Val vtSheetName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

Return Value

Returns True if the worksheet is in free-form state; otherwise, returns False.

Example

```
Public Declare Function HypIsFreeForm Lib "HsAddin" (ByVal vtSheetName As
Variant) As Boolean
Sub Example_HypIsFreeForm()
Dim oRet As Boolean
oRet = HypIsFreeForm(Empty)
MsgBox (oRet)
End Sub
```



HypUndo

Describes the Oracle Smart View for Office VBA function, HypUndo.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypUndo() reverts the database view of a worksheet to what it was before a Zoom In, Zoom Out, Keep Only, Remove Only, or Refresh operation.

Syntax

HypUndo (vtSheetName)

ByVal vtSheetName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Declare Function HypUndo Lib "HsAddin" (ByVal vtSheetName As Variant) As Long Sub Example_HypUndo()
X=HypUndo(Sheet1)
End Sub

HypRedo

Describes the Oracle Smart View for Office VBA function, HypRedo.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypRedo() reverts the database view to what it was before an Undo operation.

Syntax

HypRedo (vtSheetName)

ByVal vtSheetName As Variant



Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Declare Function HypRedo Lib "HsAddin" (ByVal vtSheetName As Variant) As Long
Sub Example_HypRedo()
X=HypRedo(Sheet1)
End Sub

HypPreserveFormatting

Describes the Oracle Smart View for Office VBA function, HypPreserveFormatting.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypPreserveFormatting() applies grid formatting to cells created by zooming in.

Syntax

HypPreserveFormatting (vtSheetName, vtSelectionRange)

ByVal vtSheetName As Variant

ByVal vtSelectionRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtSelectionRange: The range of cell(s) in which formatting is to be preserved. Multiple ranges are supported.

Return Value

Returns 0 if successful; otherwise, the appropriate error code.

Example

Public Declare Function HypPreserveFormatting Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtSelectionRange As Variant) As Long



```
Sub Example HypPreserveFormatting()
        Dim oRet As Long
        Dim oSheetName As String
        Dim oSheetDisp As Worksheet
        oSheetName = Empty
        Set oSheetDisp = Sheet1
        oRet = HypPreserveFormatting ("", oSheetDisp.Range("B2"))
        MsqBox (oRet)
End Sub
```

HypRemovePreservedFormats

Describes the Oracle Smart View for Office VBA function, HypRemovePreservedFormats.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypRemovePreservedFormats() removes preserved formats.



Users must refresh before the original formatting is applied.

Syntax

HypRemovePreservedFormats (vtSheetName, vtbRemoveAllCapturedFormats,vtSelectionRange)

ByVal vtSheetName As Variant

ByVal vtbRemoveAllCapturedFormats As Variant

ByVal vtSelectionRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtbRemoveAllCapturedFormats: Set to True to remove all preserved formats in the selected range. Otherwise, set to False. If set to True, the next parameter value is not used, so users can pass Null for vtSelectionRange.)

vtSelectionRange: The range of the cell(s) in which formatting is to be preserved. Multiple ranges are supported.



Return Value

Returns 0 if successful; otherwise, the appropriate error code.

Example

End Sub

MsgBox (oRet)

HypSetAliasTable

Describes the Oracle Smart View for Office VBA function, HypSetAliasTable.

Ret = HypRemovePreservedFormats(Empty, True, Null)

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning

Description

HypSetAliasTable() sets the alias table for the selected worksheet.

Syntax

HypSetAliasTable (ByVal vtSheetName As Variant, ByVal vtAliasTableName As Variant)

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtAliasTableName: The text name of the alias table. vtAliasTableName is of the form "Default", "Long Names" and so forth.

Return Value

0 if successful; otherwise, returns the appropriate error code.



Public Declare Function HypSetAliasTable Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtAliasTableName As Variant) As Long
Sub Example_SetAliasTable
sts = HypSetAliasTable(Empty, "Long Names")
End sub

HypGetSubstitutionVariable

Describes the Oracle Smart View for Office VBA function, HypGetSubstitutionVariable.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypGetSubstitutionVariable() retrieves substitution variables and their current values from Essbase.

Syntax

HypGetSubstitutionVariable (vtSheetName, vtApplicationName, vtDatabaseName, vtVariableName, vtVariableNames, vtVariableValues)

ByVal vtSheetName As Variant

ByVal vtApplicationName As Variant

ByVal vtDatabaseName As Variant

ByVal vtVariableName As Variant

ByRef vtVariableNames As Variant

ByRef vtVariableValues As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtApplicationName: The name of the application from which to return substitution variables. If set to Null or Empty, all the applications are considered.

vtDatabaseName: The name of the database from which to return substitution variables. If set to Null or Empty, all the databases are considered.

vtVariableName: The name of the substitution variable to be retrieved. If set to Null or Empty, the entire list of variables is returned.

vtVariableNames: Output result vector that contains the list of the substitution variable names. Its contents are unknown if the macro fails.

vtVariableValues: Output result vector that contains the list of the substitution variable values corresponding to each variable returned. Its contents are unknown if the macro fails.



Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Declare Function HypGetSubstitutionVariable Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtApplicationName As Variant, ByVal vtDatabaseName As Variant, ByVal vtVariableName As Variant, ByRef vtVariableNames As Variant, ByRef vtVariableValues As Variant) As Long

```
Sub Example_HypGetSubstitutionVariable()
    Dim sts As Long
    sts = HypGetSubstitutionVariable(Empty, "Sample", "Basic", Empty,
vtVarNameList, vtVarValueList)
    End If
End Sub
```

HypSetSubstitutionVariable

Describes the Oracle Smart View for Office VBA function, HypSetSubstitutionVariable.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypSetSubstitutionVariable() creates substitution variables in Essbase. If the variable already exists, then its value is set to the new specified value.

Syntax

HypSetSubstitutionVariable (vtSheetName, vtApplicationName, vtDatabaseName, vtVariableName, vtVariableValue)

ByVal vtSheetName As Variant

ByVal vtApplicationName As Variant

ByVal vtDatabaseName As Variant

ByVal vtVariableName As Variant

ByVal vtVariableValue As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If sest to Null or Empty, the active worksheet is used.

vtApplicationName: The name of the application name in which to create the new substitution variable. If set to Null or Empty, the scope of the variable is global.

vtDatabaseName: The name of the database in which to create the new variable. If set to Null or Empty, the scope of the variable created is global within the application specified.

vtVariableName: The variable name to be created. Required.



vtVariableValue: The value to be assigned to the variable. Required.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Declare Function HypSetSubstitutionVariable Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtApplicationName As Variant, ByVal vtDatabaseName As Variant, ByVal vtVariableName As Variant, ByVal vtVariableValue As Variant) As Long

```
Sub Example_HypSetSubstitutionVariable
   Dim X as Long
   X = HypSetSubstitutionVariable(Empty, "Sample", "Basic", "Account", "100")
End Sub
```

HypGetDatabaseNote

Describes the Oracle Smart View for Office VBA function, HypGetDatabaseNote.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypGetDatabaseNote() retrieves Essbase database notes.

Syntax

HypGetDatabaseNote (vtSheetName, vtDBNote)

ByVal vtSheetName As Variant

ByRef vtDBNote As Variant

Parameters

vtSheetName: Input parameter; the name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtDBNote: Output parameter; the database note to be retrieved.

Example

```
Public Declare Function HypGetDatabaseNote Lib "HsAddin" (ByVal vtSheetName
As Variant, ByRef vtDBNote As Variant) As Long
Sub Example_HypGetDatabaseNote()
sts = HypGetDatabaseNote(Empty, DBNote)
MsgBox DBNote
End Sub
```



HypGetSheetInfo

Describes the Oracle Smart View for Office VBA function, HypGetSheetInfo.

Data provider types: All

Description

HypGetSheetInfo() retrieves detailed information about the requested worksheet.

Syntax

HypGetSheetInfo(vtSheetName, itemNameList, itemValueList)

ByVal vtSheetName As Variant

ByRef vtItemNameList As Variant

ByRef vtItemValueList As Variant

Parameters

vtSheetName: Sheet name. If "Empty" is passed, then current worksheet information will be

vtltemNameList: List of the titles of sheet information

vtltemValueList: List of corresponding values of titles of Sheet information

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Sub test()
Dim namelist As Variant
Dim vallist As Variant

ss = HypConnect("Sheet1", "admin", "password", "Conn123")
ss = HypRetrieve("Sheet1")
sts = HypGetSheetInfo("Sheet1", namelist, vallist)
End Sub
```

HypListDocuments

Describes the Oracle Smart View for Office VBA function, HypListDocuments.

Cloud data provider types: Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Hyperion Planning, Oracle Hyperion Financial Management



Description

HypListDocuments returns a list of folders and forms that are saved on the provider server, in the path specified by the user.



(i) Note

In descriptions for this function, folders and forms are referred to as documents.

Unlike other VBAs, this is not a sheet-specific function. Sheet information is optional for this function. Refer to Parameters.

Syntax

HypListDocuments (vtSheetName, vtUserName, vtPassword, vtConnInfo, vtCompletePath, vtDocs)

ByVal vtSheetName As Variant

ByVal vtUserName As Variant

ByVal vtPassword As Variant

ByVal vtConnInfo As Variant

ByVal vtCompletePath As Variant

ByRef vtDocs As DOC_Info

DOC Info is in turn defined as the following type:

Type DOC_Info

numDocs As Long

docTypes As Variant

docNames As Variant

docDescriptions As Variant

docPlanTypes As Variant

docAttributes As Variant

End Type

See further descriptions below in Parameters.

Parameters

vtSheetName: Optional. The name of the worksheet which will be used to obtain connection information, if vtConnInfo is empty. If vtSheetName is also empty, the active data source will be used to obtain connection information.

vtUserName: Optional input parameter. Used to connect using the given connection info (vtConnInfo/vtSheetName). Not necessary to be given if user is sure that the connection already exists.



vtPassword: Optional input parameter. Used to connect using the given connection info (vtConnInfo/vtSheetName). Not required if user is sure that the connection already exists.

vtConnInfo: Optional input parameter. Connection information, given either in the form of a friendly private connection name, or in the format accepted by HypConnect() or HypUIConnect(). If vtConnInfo is empty, vtSheetName is used to obtain connection info. If both are empty, the active data source is used.

vtCompletePath: Mandatory input parameter. The folder path within the server for which the document list is needed.

vtDocs: Mandatory output parameter. The list of documents (files and folders) present inside the given vtCompletePath, returned from the VBA.

DOC Info Structure Definitions

numDocs: Number of folders plus the number of forms in the given folder. Defines the length of each of the arrays noted below.

docTypes: An array of strings. Array defining the type of each of the documents. Two types are supported, "DOC_FORM" and "DOC_FOLDER". Two global constants define the two types, which can be used to compare these values with the ones in the array

```
Global Const HYP_LIST_DOC_FORM = "DOC_FORM"
Global Const HYP_LIST_DOC_FOLDER = "DOC_FOLDER"
```

See **Example** for usage.

docNames: An array of strings. Array containing names of each document, in the same order as above.

docDescriptions: An array of strings. Document descriptions, if any, in the same order as above. For folders, this field is empty.

docPlanTypes: An array of strings. Plan type or cube information for each document, in the same order as above. For folders, this field is empty.

docAttributes: An array of strings. Attribute information for each document, in the same order as above. For folders, this field is empty. For forms, this field can be any of the following:

Enum FORM_ATTRIBUTES

```
NO_ATTRIBUTE = -1 (for a folder)

HFM_BASIC_FORM = 0

ADHOC_ENABLED = 8 (basic form)

COMPOSITE_FORM = 16

SMART_FORM = 128

SAVED_ADHOC_GRID = 40

SAVED_ADHOC_EXCLUSIVE_GRID = 104

SMART_FORM_ADHOC_ENABLED = 136
```

End Enum

HypListDocuments sends these values back as strings. See Example.



Note that a folder has only a name associated with it. Other information is only available for forms.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

The following VBA can be used directly, using each of the invocations one by one.

```
Sub testListDocs()
Dim ret As Integer
Dim firstDocType
Dim vtDocs As DOC_Info
Dim vtAttr
'Usage with connection information as given for HypConnect()/HypUIConect()
ret = HypListDocuments("", "<user_name>", "<password>", "http://
<server_url>:<port>/HyperionPlanning/SmartView|<server>|EPBCS|", "/<path>",
vtDocs)
'Usage with friendly private connection name.
'ret = HypListDocuments("", "<user_name", "<password>", "<server>", "/
<path>", vtDocs)
'Usage with connection information present in Sheet1.
'ret = HypListDocuments("Sheet1", "<user_name>", "<password>", "", "/<path>",
vtDocs)
'Usage with active data source
'ret = HypListDocuments("", "<user_name>", "<password>", "", "/<path>",
vtDocs)
MsgBox "Total no. of docs is : " & vtDocs.numDocs
If vtDocs.numDocs > 0 Then
   'First, folder info is sent, and then forms info.
   firstDocType = vtDocs.docTypes(0)
   If vtDocs.docTypes(0) = HYP_LIST_DOC_FORM Then
      MsgBox "First doc is a form."
   Else
      MsgBox "First doc is a folder."
   End If
   MsgBox "First doc name is : " & vtDocs.docNames(0)
   MsgBox "First doc attribute is : " & vtDocs.docAttributes(0)
   'Need to convert attribute string to integer before comparison.
   vtAttr = CInt(vtDocs.docAttributes(0))
   If vtAttr <> NO_ATTRIBUTE Then
```

If vtAttr = ADHOC_ENABLED Then



HypListUserVariables

Describes the Oracle Smart View for Office VBA function, HypListUserVariables.

Cloud data provider types: Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

Description

HypListUserVariables() returns the list of user variable names associated with an application.

Syntax

HypFunctionName(vtFriendlyName, vtDimensionName, vtUserVariableName, vtMemberName) As Long

ByVal vtFriendlyName As Variant

ByVal vtDimensionName As Variant

ByVal vtUserVariableName As Variant

ByVal vtMemberName As Variant

Parameters

vtFriendlyName: The friendly connection name of the data provider.

vtDimensionName: In the list of user variables returned, gets the corresponding dimension name to which each user variable belongs.

vtUserVariableName: The names of the user variable.

vtMemberName: Gets the corresponding member name set for each user variable in the list.



Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Sub ListUserVariables()

Dim userVarList As Variant 'to get list of user variable names

Dim dimList As Variant 'to get corresponding dimension name for which each user variable belongs to in the list

Dim mbrList As Variant 'to get corresponding member name set for each user variable in the list

sts = HypListUserVariables("connectionName", dimList, userVarList, mbrList)

End Sub
```

HypSetUserVariable

Describes the Oracle Smart View for Office VBA function, HypSetUserVariable.

Cloud data provider types: Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

Description

HypSetUserVariable() allows users to set a specific member for an existing user variable. User variables limit the number of members displayed on a form, helping users focus on certain members.

Syntax

HypFunctionName(vtFriendlyName, vtDimensionName, vtUserVariableName, vtMemberName) As Long

ByVal vtFriendlyName As Variant

ByVal vtDimensionName As Variant

ByVal vtUserVariableName As Variant

ByVal vtMemberName As Variant

Parameters

vtFriendlyName: The friendly connection name of the data provider.

vtDimensionName: The name of the dimension for which the selected user variable member list is to be set.

vtUserVariableName: The name of the user variable.

vtMemberName: The members to be associated with the selected user variable.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.



```
Sub SetUserVariable()
  sts = HypSetUserVariable("connectionName", "Account", "Account View", "CF")
End Sub
```

Connection Functions

Describes the Oracle Smart View for Office connection VBA functions.

Related Topics

About Connection Functions

Describes the Oracle Smart View for Office connection VBA functions.

HypConnect

Describes the Oracle Smart View for Office VBA function, HypConnect.

HypUIConnect

Describes the Oracle Smart View for Office VBA function, HypUIConnect.

HypConnected

Describes the Oracle Smart View for Office VBA function, HypConnected.

HypConnectionExists

Describes the Oracle Smart View for Office VBA function, HypConnectionExists.

HypCreateConnection

Describes the Oracle Smart View for Office VBA function, HypCreateConnection.

HypCreateConnectionEx

Describes the Oracle Smart View for Office VBA function, HypCreateConnectionEx.

HypSetBasicAuthToken

Describes the Oracle Smart View for Office VBA function, HypSetBasicAuthToken.

HypLoginEssbaseCloudBasicAuth

Describes the Oracle Smart View for Office VBA function,

HypLoginEssbaseCloudBasicAuth.

HypSetCustomHeader

Describes the Oracle Smart View for Office VBA function, HypSetCustomHeader.

HypUpdateConnection

Describes the Oracle Smart View for Office VBA function, HypUpdateConnection.

HypModifyConnection

Describes the Oracle Smart View for Office VBA function, HypModifyConnection.

HypDisconnect

Describes the Oracle Smart View for Office VBA function, HypDisconnect.

HypDisconnectAll

Describes the Oracle Smart View for Office VBA function, HypDisconnectAll.

HypDisconnectEx

Describes the Oracle Smart View for Office VBA function, HypDisconnectEx.

HypGetSharedConnectionsURL

Describes the Oracle Smart View for Office VBA function, HypGetSharedConnectionsURL.

HypSetSharedConnectionsURL

Describes the Oracle Smart View for Office VBA function, HypSetSharedConnectionsURL.



HypIsConnectedToSharedConnections

Describes the Oracle Smart View for Office VBA function, HypIsConnectedToSharedConnections.

HypRemoveConnection

Describes the Oracle Smart View for Office VBA function, HypRemoveConnection.

HypSetSSO

Describes the Oracle Smart View for Office VBA function, HypSetSSO.

HypInvalidateSSO

Describes the Oracle Smart View for Office VBA function, HypInvalidateSSO.

HypResetFriendlyName

Describes the Oracle Smart View for Office VBA function, HypResetFriendlyName.

HypSetActiveConnection

Describes the Oracle Smart View for Office VBA function, HypSetActiveConnection.

HypSetAsDefault

Describes the Oracle Smart View for Office VBA function, HypSetAsDefault.

HypSetConnAliasTable

Describes the Oracle Smart View for Office VBA function, HypSetConnAliasTable.

About Connection Functions

Describes the Oracle Smart View for Office connection VBA functions.

Connection functions perform actions related to connections to data providers.

HypConnect

Describes the Oracle Smart View for Office VBA function, HypConnect.

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management



Note

Cloud data sources: HypConnect is *not* supported for cloud data sources. To connect to a cloud data source (for example, a Planning source), you must use the HypUIConnect function. See HypUIConnect.

Description

HypConnect() logs into a data provider and associates the worksheet with that connection. HypConnect() must be called for each sheet in order to associate this connection with that sheet.

HypConnect() can be used in two ways:

Using a friendly connection name.

The friendly connection name is first created using HypCreateConnection.

Using a connection string, in the place of a friendly name, consisting of URL, server, application, database name.



Note

Essbase: When the VBA function, <u>HypLoginEssbaseCloudBasicAuth</u>, is used for establishing connection, the user credentials passed in HypConnect are not relevant and are ignored. If a user needs to login with a new user name, the old session must be disconnected and a new session must be established for the new user with HypLoginEssbaseCloudBasicAuth, before calling HypConnect with new user name.

Syntax

HypConnect (vtSheetName, vtUserName, vtPassword, vtFriendlyName)

ByVal vtSheetName As Variant

ByVal vtUserName As Variant

ByVal vtPassword As Variant

ByVal vtFriendlyName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtUserName: A valid user name

vtPassword: The password for this user

vtFriendlyName: The connection name of the data provider. The friendly name parameter can accept either of the following:

- A connection name created using <u>HypCreateConnection</u>
- A connection string consisting of a URL, server name, application name, and database name, in the format URL | server | app | db.

The URL component of the connection string follows the guidelines in <u>Private Connection</u> URL Syntax in the *Oracle Smart View for Office User's Guide*.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example Using a Friendly Name

In this example, we connect to the Essbase Sample application, Basic database, with the friendly name of "My Sample Basic."

```
Declare Function HypConnect Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal vtUserName As Variant, ByVal vtPassword As Variant, ByVal
vtFriendlyName As Variant) As Long

Sub Example_HypConnect()
   X=HypConnect("Empty", "UserName", "Password", "My Sample Basic")
End Sub
```



Essbase Example Using a Connection String

In this example, we connect to the Essbase Sample application, Basic database.

```
HypConnect("Sheet1", "UserName", "Password", "http://hostname:19000/aps/
SmartView|servername|Sample|Basic")
```

Oracle Hyperion Planning Example Using a Connection String

In this example, we connect to the Oracle Hyperion Planning Vision application, Plan1 database.

Financial Management Example Using a Connection String

In this example, we connect to the Financial Management STATJP4 application.

```
HypConnect("Sheet1", "UserName", "Password", "http://hostname:19000/hfmadf/
officeprovider|<servername>|STATJP4|STATJP4")
```

Note that for Financial Management, the db component can be empty; for example:

```
HypConnect("Sheet1", "UserName", "Password", "http://hostname.com:19000/
hfmadf/officeprovider|<servername>|STATJP4|")
```

HypUIConnect

Describes the Oracle Smart View for Office VBA function, HypUIConnect.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management, Oracle Business Intelligence Enterprise Edition

Description

On-premises data sources: For on-premises data sources, HypUlConnect() prompts the user with the **Connect to Data Source** dialog box when the user name and password are not provided. It does not prompt if the user name and password are already provided.

Cloud data sources and on-premises form-based authentication: For cloud data sources and for on-premises sources using form-based authentication, you must use the HypUIConnect VBA function to connect to an existing private connection. HypUIConnect() *always* prompts for authentication where the user must provide the user name, password, and domain to log in.

HypUIConnect() can be used in two ways:

Using a friendly connection name.

The friendly connection name is first created using <u>HypCreateConnection</u>.



 Using a connection string, in the place of a friendly name, consisting of URL, server, application, database name.

Syntax

HypUIConnect (vtSheetName, vtUserName, vtPassword, vtFriendlyName)

ByVal vtSheetName As Variant

ByVal vtUserName As Variant

ByVal vtPassword As Variant

ByVal vtFriendlyName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtUserName: A valid user name

vtPassword: The password for this user

vtFriendlyName: The connection name of the data provider. The friendly name parameter can accept either of the following:

- A connection name created using <u>HypCreateConnection</u>
- A connection string consisting of a URL, server name, application name, and database name, in the format URL|server|app|db.

The URL component of the connection string follows the guidelines in Private Connection URL Syntax in the Oracle Smart View for Office User's Guide.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

In this example, we connect to the Essbase Sample application, Basic database, with the friendly name of "My Sample Basic."

Public Declare PtrSafe Function HypUIConnect Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtPassword As Variant, ByVal vtFriendlyName As Variant) As Long

```
HypUIConnect("Empty", "UserName", "Password", "My Sample Basic")
```

Essbase Example Using a Connection String

In this example, we connect to the Essbase Sample application, Basic database.

HypUIConnect("Sheet1", "UserName", "Password", "http://hostname:19000/aps/ SmartView|servername|Sample|Basic")



Planning Example Using a Connection String

In this example, we connect to the Planning Vision application, Plan1 database.

```
HypUIConnect("Sheet1", "UserName", "Password", "http://hostname.com:9000/
HyperionPlanning/SmartView|servername|Vision|Plan1")
```

Financial Management Example Using a Connection String

In this example, we connect to the Financial Management STATJP4 application.

```
HypUIConnect("Sheet1", "UserName", "Password", "http://hostname.com:19000/
hfmadf/officeprovider|<servername>|STATJP4|STATJP4")
```

Note that for Financial Management, the db component can be empty; for example:

```
HypUIConnect("Sheet1", "UserName", "Password", "http://hostname.com:19000/
hfmadf/officeprovider|<servername>|STATJP4|")
```

HypConnected

Describes the Oracle Smart View for Office VBA function, HypConnected.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypConnected() provides the connection status of the sheet.

Syntax

HypConnected (vtSheetName)

ByVal vtSheetName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

Return Value

Returns True if the sheet is connected to a provider; False if it is not.

Example

Declare Function HypConnected Lib "HsAddin" (ByVal vtSheetName As Variant) As Variant

Sub Example_HypConnected
Dim X As Variant



```
X = HypConnected(Empty)
End sub
```

If the sheet is connected, a variant with a value of -1 is returned, which is interpreted as True by VBA. In order to get -1 as the return value, you must declare the variable (which takes a return value) as a number type (Long, Integer, Double, etc.). The script given below demonstrates this:

```
Declare Function HypConnected Lib "HsAddin" (ByVal vtSheetName As Variant) As Variant
Sub Example_HypConnected()
Dim X As Integer 'Can also be Long or Double
X = HypConnected(Empty) 'Value of X will become -1 if Sheet1 is connected
End Sub
```

If variable X is not defined, VBA interprets it (and any other variable which is not defined) as being of the type, Variant. Then, if Sheet1 is connected, X will be equal to True.

If variable X is defined as a boolean, the return value is correctly displayed as True.

HypConnectionExists

Describes the Oracle Smart View for Office VBA function, HypConnectionExists.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypConnectionExists() checks whether a particular connection name exists in the list of all connections as viewed in the Smart View Panel. The particular connection may or may not be active (connected).

Syntax

HypConnectionExists(vtFriendlyName)

ByVal vtFriendlyName As Variant

Parameters

vtFriendlyName: The name of the connection to search for in the list of all connections. It is not case-sensitive.

Return Value

Boolean. If successful, return value is TRUE; otherwise, return value is FALSE.

Example

Declare Function HypConnectionExists Lib "HsAddin" (ByVal vtFriendlyName As Variant) As Variant

Sub Example_HypConnectionExists



Dim bIsConnection as Boolean bIsConnection = HypConnectionExists ("Demo Basic") End sub

HypCreateConnection

Describes the Oracle Smart View for Office VBA function, HypCreateConnection.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypCreateConnection() creates a private connection to the data provider from the specified information.



(i) Note

HypCreateConnection is not supported for shared connections. HypCreateConnection is for private connections only.

Syntax

HypCreateConnection(vtSheetName, vtUserName, vtPassword, vtProvider, vtProviderURL, vtServerName, vtApplicationName, vtDatabaseName, vtFriendlyName, vtDescription)

ByVal vtSheetName As Variant

ByVal vtUserName As Variant

ByVal vtPassword As Variant

ByVal vtProvider As Variant

ByVal vtProviderURL As Variant

ByVal vtServerName As Variant

ByVal vtApplicationName As Variant

ByVal vtDatabaseName As Variant

ByVal vtFriendlyName As Variant

ByVal vtDescription As Variant

Parameters

vtSheetName: Not used

vtUserName: A valid user name

vtPassword: The password for this user

vtProvider: The data provider. Supported vtProvider types:



- Global Const HYP ESSBASE = "Essbase"
- Global Const HYP FINANCIAL MANAGEMENT = "Hyperion Financial Management"
- Global Const HYP_PLANNING = "Planning"
- Global Const HYP RA = "Hyperion Smart View Provider for Hyperion Reporting and Analysis"

(i) Note

The global constant HYP_ANALYTIC_SERVICES = "Analytic Provider Services" is deprecated.

vtProviderURL: The URL of the data provider

vtServerName: The name of the server on which the application resides

vtApplicationName: The name of the application

vtDatabaseName: The name of the database

(i) Note

Financial Management only: This parameter is required, but you cannot use the name of the application. Instead, use Empty or Null for this parameter.

vtFriendlyName: The connection name of the data provider

vtDescription: A description of the data provider

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Declare Function HypCreateConnection Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtUserName As Variant, ByVal vtPassword As Variant, ByVal vtProvider As Variant, ByVal vtProviderURL As Variant, ByVal vtServerName As Variant, ByVal vtApplicationName As Variant, ByVal vtDatabaseName As Variant, ByVal vtFriendlyName As Variant, ByVal vtDescription As Variant) As Long Sub Example_HypCreateConnection() X = HypCreateConnection(Empty, UserName, Password, HYP_ESSBASE, "http:// localhost:13080/smartview/SmartView", "localhost", "Sample", "Basic", "My Connection", "Essbase_1") End Sub



HypCreateConnectionEx

Describes the Oracle Smart View for Office VBA function, HypCreateConnectionEx.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypCreateConnectionEx is a superset of HypCreateConnection; it has additional parameters that enable use of the Smart View Panel. Oracle Hyperion Planning users who want to add data providers in the Smart View Panel must use HypCreateConnectionEx.

For Essbase, Oracle Hyperion Planning, and Financial Management, HypCreateConnectionEx can be used to create private connections using a Workspace URL.



(i) Note

HypCreateConnectionEx is not supported for shared connections. HypCreateConnectionEx is for private connections only.

Syntax

HypCreateConnectionEx (vtProviderType, vtServerName, vtApplicationName, vtDatabaseName, vtFormName, vtProviderURL, vtFriendlyName, vtUserName, vtPassword, vtDescription, vtReserved1, vtReserved2)

ByVal vtProviderType As Variant

ByVal vtServerName As Variant

ByVal vtApplicationName As Variant

ByVal vtDatabaseName As Variant

ByVal vtFormName As Variant

ByVal vtProviderURL As Variant

ByVal vtFriendlyName As Variant

ByVal vtUserName As Variant

ByVal vtPassword As Variant

ByVal vtDescription As Variant

ByVal vtReserved1 As Variant (reserved for future use)

ByVal vtReserved2 As Variant (reserved for future use)

Parameters

vtProviderType: The data provider. Supported vtProviderType types:



- Global Const HYP ESSBASE = "Essbase"
- Global Const HYP PLANNING = "Planning"
- Global Const HYP_FINANCIAL_MANAGEMENT = "Financial Management"
- Global Const HYP_RA = "Hyperion Smart View Provider for Hyperion Reporting and Analysis"

vtServerName: The name of the server on which the application resides

vtApplicationName: The name of the application

vtDatabaseName: The name of the database

vtFormName: The name of the data form. Required to create Oracle Hyperion Planning connection in Smart View Panel under Private Connections.

vtProviderURL: The data provider URL. Required to create Oracle Hyperion Planning connection in Smart View Panel.

vtFriendlyName: The connection name of the data provider

vtUserName: A valid user name

vtPassword: The password for this user

Sub Example_HypCreateConnectionEx()

vtDescription: Description for the data provider

① Note

For Oracle Hyperion Reporting and Analysis, only the provider URL, provider type, and connection name are required.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Public Declare Function HypCreateConnectionEx Lib "HsAddin" (ByVal vtProviderType As Variant, ByVal vtServerName As Variant, ByVal vtApplicationName As Variant, ByVal vtDatabaseName As Variant, ByVal vtFormName As Variant, ByVal vtProviderURL As Variant, ByVal vtFriendlyName As Variant, ByVal vtUserName As Variant, ByVal vtPassword As Variant, ByVal vtDescription As Variant, ByVal vtReserved1 As Variant, ByVal vtReserved2 As Variant) As Long

```
Dim lRet As Long
lRet = HypCreateConnectionEx("Essbase", "server12", "Demo", "Basic", "", "",
"My Demo", "Username", "Password", "", "", "")
```

lRet = HypCreateConnectionEx("Planning", "planqe14", "TotPlan", "", "/Forms/
Smart View Forms/01 Product Revenue", "http://planqe14:8300/HyperionPlanning/
SmartView", "My Planning VBA Conn", "UserName", "Password", "", "", "")



End Sub

HypSetBasicAuthToken

Describes the Oracle Smart View for Office VBA function, HypSetBasicAuthToken.

Cloud data provider types: Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

Description

The HypSetBasicAuthToken function authenticates users using the Basic Auth mechanism in supported cloud instances. It bypasses regular form-based authentication.

This function is useful for environments that support Basic Auth for all protocols.

Syntax

Public Declare PtrSafe Function HypSetBasicAuthToken Lib "HsAddin" (ByVal vtUser As Variant, ByVal vtPassword As Variant) As Long

ByVal vtUser As Variant

ByVal vtPassword As Variant

Parameters

vtUser: A valid user name

vtPassword: The password for this user

Return Values

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Sub LoginUsingBasicAuthForEPMCloud()
   sts = HypSetBasicAuthToken("<"<user>", "<password>")
   If sts = 0 Then
        MsgBox "successful"
   End If
End Sub
```

HypLoginEssbaseCloudBasicAuth

Describes the Oracle Smart View for Office VBA function, HypLoginEssbaseCloudBasicAuth.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase



Description

The HypLoginEssbaseCloudBasicAuth function is specifically designed for use with Essbase for Cloud and on-premises Essbase 21c and later. It requires that you use the <code>"/essbase/rest/v1/session"</code> REST endpoint URL for generating the login token.

Note

- HypLoginEssbaseCloudBasicAuth is for use in Essbase Cloud environments that support Basic Auth authentication.
- HypLoginEssbaseCloudBasicAuth supports on-premises Essbase 21c or later.
 This function will not work with the APS_ONLY deployment type on-premises Essbase environments.
- Essbase users having an older VBA implementation which uses <u>HypConnect</u> for silent authentication will need to call HypLoginEssbaseCloudBasicAuth to generate a valid token before HypConnect.
- When HypLoginEssbaseCloudBasicAuth is used for establishing connection, the
 user credentials passed in <u>HypConnect</u> are not relevant and are ignored. If a user
 needs to login with a new user name, the old session must be disconnected and a
 new session must be established for the new user with
 HypLoginEssbaseCloudBasicAuth, before calling HypConnect with new user
 name.

Syntax

Public Declare PtrSafe Function HypLoginEssbaseCloudBasicAuth Lib "HsAddin" (ByVal vtUser As Variant, ByVal vtPassword As Variant, ByVal vtUrl As Variant) As Long

ByVal vtUser As Variant

ByVal vtPassword As Variant

ByVal vtUrl As Variant

Parameters

vtUser: A valid user name

vtPassword: The password for this user

vtUrl: URL of the provider

Return Values

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Sub LoginUsingBasicAuthForEssbaseCloud()
   Dim user, password As String
   user = "<user>"
   password = "<password>"
   url = "http://<serviceURL>/essbase/rest/v1/session"
   sts = HypLoginEssbaseCloudBasicAuth(<user>, <password>, <url>)
```



```
If sts = 0 Then
        MsqBox "successful"
    End If
End Sub
```

(i) Note

If the session is invalidated due to timeout or other issues, you will have to rerun the VBA for reauthentication.

HypSetCustomHeader

Describes the Oracle Smart View for Office VBA function, HypSetCustomHeader.

Cloud data provider types: Oracle Essbase cloud, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

Description

Add custom HTTP headers using this function. Once set, all requests made by Smart View will include this header as part of the request.

This function may be used for signing on to providers that use the OAuth 2.0 token for authentication, such as Planning or Oracle Essbase cloud.

For example, with Essbase cloud, users can generate an OAuth bearer token by connecting to Oracle Identity Services Cloud and providing necessary information (Client ID, Client Secret, etc.). Once the token is generated, this token can be added to the header.

The HypCustomHeader function also supports Basic Authentication via Oracle Fusion Cloud Enterprise Performance Management for Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting.

Syntax

HypSetCustomHeader Lib "HsAddin" (vtHeader) As Long

ByVal vtHeader As Variant

Parameters

vtHeader: Content of this parameter will be added to existing HTTP headers. Parameter content must conform to HTTP header semantics. This parameter can then be added to the authorization header. See the Example - OAuth and Example - Basic Authentication for more information.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example - OAuth

Public Declare PtrSafe Function HypSetCustomHeader Lib "HsAddin" (ByVal vtHeader As Variant) As Long



```
AuthHeader = "Authorization: Bearer " + token sts =
HypSetCustomHeader(AuthHeader)
```

Example - Basic Authentication

The HypCustomHeader function also supports Basic Authentication in the format, / HyperionPlanning/rest/SmartView. In this example, the token is a Base64 Encoded String.

```
Public Declare PtrSafe Function HypSetCustomHeader Lib "HsAddin" (ByVal
vtHeader As Variant) As Long
```

```
AuthHeader = "Authorization: Basic " + token sts =
HypSetCustomHeader(AuthHeader)
```

HypUpdateConnection

Describes the Oracle Smart View for Office VBA function, HypUpdateConnection.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypUpdateConnection updates the existing connection.



Note

When updating a connection in an existing multiple-grid sheet, only use HypUpdateConnection if the old connection name exists. If the connection name given in HypUpdateConnection does not exist, then the multiple-grid sheet becomes a single-grid ad hoc sheet.

Syntax

Public Declare PtrSafe Function HypUpdateConnection Lib "HsAddin" (ByVal vtProviderType As Variant,

ByVal vtServerName As Variant

ByVal vtApplicationName As Variant

ByVal vtDatabaseName As Variant

ByVal vtProviderURL As Variant

ByVal vtFriendlyName As Variant

ByVal vtUserName As Variant

ByVal vtPassword As Variant

ByVal vtDescription As Variant



ByVal bCreateNewIfConnectionDoesnotExist As Boolean) As Long

Parameters

vtServerName: Server name

vtApplicationName: The name of the application

vtDatabaseName: The name of the database vtProviderURL: The URL of the data provider

vtFriendlyName: The connection name of the data provider

vtUserName: User name vtPassword: Password

vtDescription: A description of the data provider

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example 1

Connection does not exist and the new connection creation is False, resulting in error code -43.

```
Sub UpdateConnection()
sts = HypUpdateConnection("Essbase", "EssbaseCluster-1", "Sample", "Basic",
"http://<server>:<port>/aps/SmartView", "NonExistingConnection",
"<username>", "<password>", "test", False) 'will return -43, connection not
found
```

Example 2

Connection exists but new connection creation is True. Result is successful and returns code 0 (if all parameters are correct).

```
sts = HypUpdateConnection("Essbase", "EssbaseCluster-1", "Sample", "Basic",
"http://<server>:<port>/aps/SmartView", "NewConnection","<username>",
"<password>", "test", True)'will return 0 as it will internally create
a new connection if it does not exist as last parameter is true
sts = HypUpdateConnection("Essbase", "EssbaseCluster-1", "Sample",
"Basic","<server>:<port>/aps/SmartView", "NewConnection","<username>",
"<password>", "newTestConnection", False)
End Sub
```

Example 3

Connection exists but new connection creation is True. Result is successful and returns code 0 (if all parameters are correct).

```
Public Const serverName = "EssbaseCluster-1"
Public Const ProviderURL = "http://<server>:<port>/aps/SmartView"
Public Const HWL_application = "Sample"
Public Const HWL db = "Basic"
```



HypModifyConnection

Describes the Oracle Smart View for Office VBA function, HypModifyConnection.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypModifyConnection() is used to modify any connection information for a workbook, sheet, range, or grid. Applies to:

- Regular ad hoc sheet
- · Multiple-grid ad hoc sheet
- Form-based sheet

Syntax

Private Declare PtrSafe Function HypModifyConnection Lib "HsAddin" (vtDocumentName, vtSheetName, vtGridName As Variant, vtServer, vtURL, vtApp, vtDB, vtConnParam) As Long

ByVal vtDocumentName As Variant

ByVal vtSheetName As Variant

ByVal vtGridName As Variant

ByVal vtServer As Variant

ByVal vtURL As Variant

ByVal vtApp As Variant

ByVal vtDB As Variant

ByVal vtConnParam As Variant



Parameters

vtDocumentName: The name of the workbook on which to run the function. If vtDocumentName is Null or Empty, the active workbook is used.

vtSheetName: The name of the worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtGridName: Name range of a grid on a multiple-grid worksheet. If vtGridName is Null or Empty, and the sheet is a multiple-grid sheet, then the connection information of all grids on the sheet will be modified.

vtServer: The name of the new server; the application must reside in the new server

vtURL: The new data provider URL

vtApp: The new application name

vtDB: The new cube or database name

vtConnParam: Any additional provider parameters



The user must save the workbook for the connection changes to persist.

Example

```
Sub testModifyConnection()
   'modify url in a particular workbook for all SV sheets
  s = HypModifyConnection("testmultigrid.xlsm", "", "", "http://
<server>:<port>/aps
        /SmartView", "", "", "")
   'modify app/db for a specific multi-grid in a workbook
  s = HypModifyConnection("testmultigrid.xlsm", "Sheet1",
         "Demo15FCFBC11 9D65 4555 94AC 6EDD429438B0 1", "", "NoUniq",
"NoUniq", "")
   'modify url for all sheets in active workbook
  s = HypModifyConnection("", "", "", "http://<server>:<port>/aps/
        SmartView", "", "", "")
   'modify url in a particular sheet for active workbook
  s = HypModifyConnection("", "Sheet1", "", "http://<server>:<port>/aps/
        SmartView", "", "", "")
End Sub
```

HypDisconnect

Describes the Oracle Smart View for Office VBA function, HypDisconnect.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management



Description

HypDisconnect() logs out from the data provider.

Syntax

HypDisconnect(vtSheetName, bLogoutUser)

ByVal vtSheetName As Variant

ByVal bLogoutUser As Boolean

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

bLogoutUser: Set to True to disconnect and log out from the provider session. Default value is False.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypDisconnect Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal bLogoutUser As Boolean) As Long
Sub Example_HypDisconnect()
  X=HypDisconnect(Empty, True)
End Sub
```

HypDisconnectAll

Describes the Oracle Smart View for Office VBA function, HypDisconnectAll.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypDisconnectAll disconnects all connected sessions.



(i) Note

Running HypDisconnectAll after a Smart View session has timed out causes the Login window to be displayed. Users can close the Login window.

Syntax

HypDisconnectAll()



Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypDisconnectAll Lib "HsAddin" () As Long
Sub Example_HypDisconnectAll()
sts = HypDisconnectAll()
End Sub
```

HypDisconnectEx

Describes the Oracle Smart View for Office VBA function, HypDisconnectEx.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypDisconnectEx disconnects the specified connection. This connection need not be associated as in HypDisconnect.

Syntax

HypDisconnectEx (vtFriendlyName)

ByVal vtFriendlyName As Variant

Parameters

vtFriendlyName: The friendly connection name to be disconnected

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.



HypGetSharedConnectionsURL

Describes the Oracle Smart View for Office VBA function, HypGetSharedConnectionsURL.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypGetSharedConnectionsURL() returns the Shared Connections URL to be used (also shown in the Options dialog box).

Syntax

HypGetSharedConnectionsURL (vtSharedConnURL)

ByRef vtSharedConnURL As Variant

Parameters

vtSharedConnURL: Output parameter; the Shared Connections URL

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypGetSharedConnectionsURL Lib "HsAddin" (ByRef vtSharedConnURL As Variant) As Long
Sub Example_HypGetSharedConnectionsURL()
Dim lRet As Long
Dim conn As Variant
lRet = HypGetSharedConnectionsURL(conn)
MsgBox (lRet)
MsgBox (conn)
End Sub
```

HypSetSharedConnectionsURL

Describes the Oracle Smart View for Office VBA function, HypSetSharedConnectionsURL.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypSetSharedConnectionsURL() sets the Shared Connections URL in the config file and Options dialog box.



Syntax

HypSetSharedConnectionsURL (vtSharedConnURL)

ByVal vtSharedConnURL As Variant

Parameters

vtSharedConnURL: the new Shared Connections URL to be set.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypSetSharedConnectionsURL Lib "HsAddin" (ByVal
vtSharedConnURL As Variant) As Long
Sub Example_HypSetSharedConnectionsURL()
Dim lRet As Long
lRet = HypSetSharedConnectionsURL("http://<server>:19000/workspace/
SmartViewProviders")
End Sub
```

HypIsConnectedToSharedConnections

Describes the Oracle Smart View for Office VBA function, HypIsConnectedToSharedConnections.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypIsConnectedToSharedConnections() determines whether SmartView is connected to Shared Connections.

Syntax

HypIsConnectedToSharedConnections ()

Return Value

Return: True if Smart View is connected to Shared Connections, otherwise, False.

```
Declare Function HypIsConnectedToSharedConnections Lib "HsAddin" () As Variant
Sub Example_HypIsConnectedToSharedConnections()
Dim vtRet As Variant
vtRet = HypIsConnectedToSharedConnections ()
MsgBox(vtRet)
End Sub
```



HypRemoveConnection

Describes the Oracle Smart View for Office VBA function, HypRemoveConnection.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypRemoveConnection() removes the specified connection from the list of available Smart View connections in the Smart View Panel.

Syntax

HypRemoveConnection(vtFriendlyName)

ByVal vtFriendlyName As Variant

Parameters

vtFriendlyName: The friendly connection name of the data provider

Return Value

Returns 0 if successful, otherwise, returns the appropriate error code.

Example

```
Declare Function HypRemoveConnection Lib "HsAddin" (ByVal vtFriendlyName As Variant) As Long

Sub Example_HypRemoveConnection()
    X=HypRemoveConnection("My Connection")

End Sub
```

HypSetSSO

Describes the Oracle Smart View for Office VBA function, HypSetSSO.

Data provider types: All providers that support Single Sign on (SSO)

Description

HypSetSSO() sets the SSO token in Smart View. When set, the SSO token takes priority over user name and password.

Syntax

HypSetSSO(vtSSO)

ByVal vtSSO As Variant



Parameters

vtSSO: SSO token

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Sub test()
SSO = <SSO token>
sts = HypDisconnectAll()
sts = HypSetSSO(SSO)
MsgBox (sts)
End Sub
```

HypInvalidateSSO

Describes the Oracle Smart View for Office VBA function, HypInvalidateSSO.

Data provider types: All providers that support Single Sign on (SSO)

Description

HypInvalidateSSO() discards the existing SSO token.

Example

```
Declare Function HypInvalidateSSO Lib "HsAddin" () As Long
Sub Example_HypInvalidateSSO()
    X = HypInvalidateSSO()
End Sub
```

HypResetFriendlyName

Describes the Oracle Smart View for Office VBA function, HypResetFriendlyName.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypResetFriendlyName modifies the friendly name to a new one. To modify the friendly name of a connection in the Smart View Panel, Smart View must be connected to the data source provider.

Syntax

HypResetFriendlyName (vtOldFriendlyName, vtNewFriendlyName)



By Val vtOldFriendlyName As Variant

By Val vtNewFriendlyName As Variant

Parameters

vtOldFriendlyName: The old friendly connection name vtNewFriendlyName: The new friendly connection name

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypResetFriendlyName Lib "HsAddin" (ByVal vtOldFriendlyName
As Variant, ByVal vtNewFriendlyName As Variant) As Long
Sub Example_HypResetFriendlyName()
       Dim lRet As Long
       lRet = HypResetFriendlyName("server2_Sample_Basic", "My Sample Basic")
End Sub
```

HypSetActiveConnection

Describes the Oracle Smart View for Office VBA function, HypSetActiveConnection.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypSetActiveConnection() associates the current active worksheet with one of the active connections.



Note

HypSetActiveConnection does not work with worksheets that contain Report Designer objects

Syntax

HypSetActiveConnection (vtFriendlyName)

ByVal vtFriendlyName As Variant

Parameters

vtFriendlyName: The friendly name of the active connection to be associated with the current active worksheet. It is not case-sensitive.



Return Value

Long. If successful, return value is 0; otherwise, the appropriate error code is returned.

Example

```
Declare Function HypSetActiveConnection Lib "HsAddin" (ByVal vtFriendlyName
As Variant) As Long
Sub Example_SetActiveConnection()
   sts = HypSetActiveConnection ("Demo_Basic")
End sub
```

HypSetAsDefault

Describes the Oracle Smart View for Office VBA function, HypSetAsDefault.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypSetAsDefault() sets a connection default.

Syntax

HypSetAsDefault (vtFriendlyName)

ByVal vtFriendlyName As Variant

Parameters

vtFriendlyName: The name of the private active connection to be set as the default. It must be a private connection name whose value can be found in the Registry:

HKCU\Software\Hyperion Solutions\HyperionSmartView\Connections

Return Value

If successful, return value is 0; otherwise, the appropriate error code is returned.

```
Public Declare Function HypSetAsDefault Lib "HsAddin" (ByVal vtFriendlyName
As Variant) As Long
Sub Example_SetAsDefault()
sts = HypSetAsDefault("buildtie7_w32Simple_w32Simple")
MsgBox (sts)
End Sub
```



HypSetConnAliasTable

Describes the Oracle Smart View for Office VBA function, HypSetConnAliasTable.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning

Description

HypSetConnAliasTable() sets the alias table for a connection. This function requires an active connection.

Syntax

HypSetConnAliasTable (ByVal vtFriendlyName As Variant, ByVal vtAliasTableName As Variant)

Parameters

vtFriendlyName: The connection name of the data provider; for example, "MyConnection1" or "SampleBasic". If vtFriendlyName is Null or Empty, an error is returned.

vtAliasTableName: The name of the alias table in the form "Default", "Long Names", "None", and so forth. This parameter cannot be Null or Empty. If no alias needs to be applied, then you can use the parameter "None".

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Public Declare Function HypSetConnAliasTable Lib "HsAddin" (ByVal vtFriendlyName As Variant, ByVal vtAliasTableName As Variant) As Long

Sub Example_HypSetConnAliasTable

sts = HypSetConnAliasTable("SampleBasic", "Long Names")

End sub
```

Ad Hoc Functions

Describes the Oracle Smart View for Office Ad Hoc VBA functions.

Related Topics

About Ad Hoc Functions

Describes the Oracle Smart View for Office Ad Hoc VBA functions.

HypPerformAdhocOnForm

Describes the Oracle Smart View for Office VBA function, HypPerformAdhocOnForm.

HypRetrieve

Describes the Oracle Smart View for Office VBA function, HypRetrieve.

HypRetrieveRange

Describes the Oracle Smart View for Office VBA function, HypRetrieveRange.

HypRetrieveNameRange

Describes the Oracle Smart View for Office VBA function, HypRetrieveNameRange.

HypCreateRangeGrid

Describes the Oracle Smart View for Office VBA function, HypCreateRangeGrid.

HypModifyRangeGridName

Describes the Oracle Smart View for Office VBA function, HypModifyRangeGridName.

HypGetNameRangeList

Describes the Oracle Smart View for Office VBA function, HypGetNameRangeList.

HypRetrieveAllWorkbooks

Describes the Oracle Smart View for Office VBA function, HypRetrieveAllWorkbooks.

HypExecuteQuery

Describes the Oracle Smart View for Office VBA function, HypExecuteQuery.

HypSubmitData

Describes the Oracle Smart View for Office VBA function, HypSubmitData.

HypSubmitSelectedRangeWithoutRefresh

Describes the Oracle Smart View for Office VBA function,

HypSubmitSelectedRangeWithoutRefresh.

HypSubmitSelectedDataCells

Describes the Oracle Smart View for Office VBA function, HypSubmitSelectedDataCells.

HypPivot

Describes the Oracle Smart View for Office VBA function, HypPivot.

HypPivotToGrid

Describes the Oracle Smart View for Office VBA function, HypPivotToGrid.

HypPivotToPOV

Describes the Oracle Smart View for Office VBA function, HypPivotToPOV.

HypKeepOnly

Describes the Oracle Smart View for Office VBA function, HypKeepOnly.

HypRemoveOnly

Describes the Oracle Smart View for Office VBA function, HypRemoveOnly.



- HypZoomIn
 - Describes the Oracle Smart View for Office VBA function, HypZoomIn.
- <u>HypZoomOut</u>
 Describes the Oracle Smart View for Office VBA function, HypZoomOut.

About Ad Hoc Functions

Describes the Oracle Smart View for Office Ad Hoc VBA functions.

Ad hoc functions perform ad hoc operations such as zooming, retrieving and submitting data, and pivoting.

HypPerformAdhocOnForm

Describes the Oracle Smart View for Office VBA function, HypPerformAdhocOnForm.

Cloud data provider types: Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Hyperion Planning

Description

HypPerformAdhocOnForm() enables ad hoc analysis in Excel worksheets for Planning web forms.

Syntax

HypPerformAdhocOnForm(vtSheetName, vtFormName)

ByVal vtSheetName As Variant

ByVal vtFormName As Variant

Parameters

vtSheetName: Input variable; the name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtFormName: Input variable; the name of the web form, including its full path; for example, / Forms/Financials/Financials Summary

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Public Declare Function HypPerformAdhocOnForm Lib "HsAddin" (ByVal
vtSheetName As Variant, ByVal vtFormName As Variant) As Long
Sub Example_PerformAdhocOnForm
sts = HypPerformAdhocOnForm(Empty, "/Forms/Financials/Financials Summary")
End Sub



HypRetrieve

Describes the Oracle Smart View for Office VBA function, HypRetrieve.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypRetrieve() retrieves data from the database.

Essbase only: HypRetrieve does not support creating a multiple-grid worksheet. Use HypRetrieveRange instead.

Syntax

HypRetrieve(vtSheetName)

ByVal vtSheetName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Public Declare Function HypRetrieve Lib "HsAddin" (ByVal vtSheetName As
Variant) As Long
Sub Example_HypRetrieve()
X=HypRetrieve(Empty)
End Sub

Public Declare Function HypRetrieve Lib "HsAddin" (ByVal vtSheetName As
Variant) As Long
Sub Example_HypRetrieve()
X=HypRetrieve(Empty)
If X = 0 Then
    MsgBox("Retrieve successful.")
Else
    MsgBox("Retrieve failed.")
End If
End Sub
```



HypRetrieveRange

Describes the Oracle Smart View for Office VBA function, HypRetrieveRange.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypRetrieveRange() enables users to refresh a selected or named range of cells in a grid or worksheet. The selected or named range of cells should form a valid grid layout. If the range specified for this function contains more rows or columns than the actual grid has, the additional rows and columns are treated as comments and are thus part of the grid.

HypRetrieveRange clears the Undo buffer, therefore the Undo operation cannot be used afterward.

Essbase only: To refresh or create a multiple-grid sheet, use <u>HypCreateRangeGrid</u>. Starting in release 11.1.2.5.610, the behavior of the HypRetrieveRange VBA function is changed to only refresh the selected range. In 11.1.2.5.610 and later, it will no longer create multiple-grid sheets or create additional ranges.

Syntax

HypRetrieveRange(vtSheetName,vtRange,vtFriendlyName)

ByVal vtSheetName As Variant

ByVal vtRange As Variant

ByVal vtFriendlyName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtRange: The continuous range to be refreshed. This range must contain one or more member cells as well as data cells. If vtRange is Null, the entire worksheet is refreshed, and GetUsedRange is used on the worksheet specified to get the range to be refreshed.

vtFriendlyName: The friendly name of the connection to be used to refresh the range. If set to Null, the active connection associated with the worksheet is used to refresh the range on that worksheet. If no connection is associated, an error is returned.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

This example assumes that the required data sources are already connected.

Public Declare Function HypRetrieveRange Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtRange As Variant, ByVal vtFriendlyName As Variant) As Long Worksheets("Sheet2").Names.Add name:="MyRange", RefersTo:="=\$E\$11:\$F\$28"



HypRetrieveNameRange

Describes the Oracle Smart View for Office VBA function, HypRetrieveNameRange.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypRetrieveNameRange refreshes the grid created by HypCreateRangeGrid. This function works only with Smart View multiple-grid defined range names.

See also <u>HypCreateRangeGrid</u>.

Syntax

HypRetrieveNameRange (vtSheetName, vtGridName)

ByVal vtSheetName As Variant

ByVal vtGridName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtGridName: Input parameter; the name of the named range or grid to be refreshed. Named ranges take the form: "'<Sheetname>'!<range name>"

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Examples

```
Public Declare Function HypRetrieveNameRange Lib "HsAddin" (ByVal vtSheetName
As Variant, ByVal vtGridName As Variant) As Long

Sub RetrieveAllRange()
'connect all required connections
sts = HypConnect("Sheet1", "UserName", "Password", "myserver_Sample_Basic")
'get list of named grids available
sts = HypGetNameRangeList("Sheet1", "", vtList)
'refresh each range one by one
For i = 0 To 2
```



```
sts = HypRetrieveNameRange("Sheet1", vtList(i))
Next i
End Sub
```

Example 2

If you know the name of the grid:

```
Public Declare Function HypRetrieveNameRange Lib "HsAddin" (ByVal vtSheetName
As Variant, ByVal vtGridName As Variant) As Long
Sub Example_HypRetrieveNameRange()
sts = HypRetrieveNameRange("Sheet1", "'Sheet1'!DMDemo_Basic_2")
End Sub
```

HypCreateRangeGrid

Describes the Oracle Smart View for Office VBA function, HypCreateRangeGrid.

Data provider types: Oracle Essbase

Description

HypCreateRangeGrid() enables users to refresh multiple selected or named ranges of cells in a multiple-grid worksheet. You can also use it to add a grid in the selected range if there is not already a grid in the particular location, thus creating a multiple-grid sheet. If the ranges specified for this function contain more rows or columns than the actual grid has, the additional rows and columns are treated as comments and are thus part of the grid.

Users can refresh selected continuous cell ranges from more than one grid in a multiple-grid worksheet. HypCreateRangeGrid can also be used to create a multiple-grid sheet, as shown in Example: Creating and Refreshing a Multiple-grid Sheet. Once the user runs HypCreateRangeGrid, the sheet becomes a multiple-grid ad hoc sheet.

To refresh selected continuous cell ranges from a single-grid worksheet, use https://hypedrieveRange.

Syntax

HypCreateRangeGrid(vtSheetName,vtRange,vtFriendlyName)

ByVal vtSheetName As Variant

ByVal vtRange As Variant

ByVal vtFriendlyName As Variant

Parameters

vtSheetName: The name of the worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtRange: The continuous ranges to be refreshed. Each range must contain one or more member cells as well as data cells. If vtRange is Null, the entire worksheet is refreshed, and GetUsedRange is used on the worksheet specified to get the ranges to be refreshed.

vtFriendlyName: The friendly name of the connection to be used to refresh the ranges. If set to Null, the active connection associated with the worksheet is used to refresh the ranges on that worksheet. If no connection is associated, an error is returned.



Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example: Creating and Refreshing a Multiple-grid Sheet

This example assumed that the required data sources are already connected.

```
Sub Example_CreateMultiGrid
   'create sample-basic range grid
     sts = HypCreateRangeGrid (Empty, range("E11:F13"), "SampleBasic1")
   'create demo-basic range grid
     sts = HypCreateRangeGrid (Empty, range("E17:G20"), "DemoBasic1")
End Sub
```

Once the grids are created, HypCreateRangeGrid can be called to refresh selected ranges in grids in the sheet one at a time. Additionally, HypCreateRangeGrid can be used to refresh all grids in the sheet.

HypModifyRangeGridName

Describes the Oracle Smart View for Office VBA function, HypModifyRangeGridName.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypModifyRangeGridName() is used to modify the name of any given grid on a multiple-grid worksheet present in the active workbook.

Syntax

Private Declare PtrSafe Function HypModifyRangeGridName Lib "HsAddin" (vtSheetName, vtGridName, vtNewGridName) As Long

ByVal vtSheetName As Variant

ByVal vtGridName As Variant

ByVal vtNewGridName As Variant

Parameters

 $\begin{tabular}{ll} \textbf{vtSheetName:} & \textbf{The name of the worksheet on which to run the function. If vtSheetName is $$\mathbb{N}ull$ or $$\mathbb{E}mpty$, the active worksheet is used. $$$

vtGridName: Name range of a grid on a multiple-grid worksheet. This parameter cannot be Null or Empty.

 $\begin{tabular}{ll} \textbf{vtNewGridName:} New name range of a grid on a multiple-grid worksheet. This parameter cannot be $\tt Null or Empty. \end{tabular}$

```
Sub modifyName()
s = HypModifyRangeGridName("Sheet1",
```



```
"Demo15FCFBC11_9D65_4555_94AC_6EDD429438B0_1", "someNewGridName")
End Sub
```

HypGetNameRangeList

Describes the Oracle Smart View for Office VBA function, HypGetNameRangeList.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypGetNameRangeList returns a list of named grids for a given connection.

Syntax

HypGetNameRangeList (vtSheetName, vtFriendlyName, vtNameList)

ByVal vtSheetName As Variant

ByVal vtFriendlyName As Variant

ByRef vtNameList As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtFriendlyName: Input parameter; the connection name whose list of name ranges are to be retrieved. If set to Empty, all name range lists in the sheet are retrieved.

vtNameList: Output parameter; the list output.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypGetNameRangeList Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtFriendlyName As Variant, ByRef vtNameList As Variant) As Long
Sub Example_HypGetNameRangeList()
sts = HypGetNameRangeList("Sheet1", "stm10026_Sample_Basic", vtList)
End Sub
```

HypRetrieveAllWorkbooks

Describes the Oracle Smart View for Office VBA function, HypRetrieveAllWorkbooks.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management



Description

HypRetrieveAllWorkbooks() refreshes all open workbooks from the same instance of Excel.

Syntax

HypRetrieveAllWorkbooks()

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypRetrieveAllWorkbooks Lib "HsAddin" () As Long

Sub Example_HypRetrieveAllWorkbooks()

X=HypRetrieveAllWorkbooks()

End Sub
```

(i) Note

For better performance, when using this function, disable all Smart View extensions.

HypExecuteQuery

Describes the Oracle Smart View for Office VBA function, HypExecuteQuery.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypExecuteQuery() executes an MDX query and displays the results on a worksheet. (If you do not want to display the query results on a worksheet, use HypExecuteMDXEx instead.)

Syntax

HypExecuteQuery (ByVal vtSheetName As Variant, ByVal vtMDXQuery As Variant) As Long

ByVal vtSheetName As Variant

ByVal vtMDXQuery

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtMDXQuery: The MDX query statement to be executed on the worksheet

Return Value

Long. If successful, return value is 0; otherwise, returns the appropriate error code.



Example

```
Public Declare Function HypExecuteQuery Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtMDXQuery As Variant) As Long

Sub Example_HypExecuteQuery ()
   Dim vtQuery As Variant
   vtQuery = "SELECT {([Jan])} on COLUMNS, {([East])} on ROWS"
   sts = HypConnect (Empty, "Username", "Password", "Sample_Basic")
   sts = HypExecuteQuery (Empty, vtQuery)
   sts = HypDisconnect (Empty, True)
End sub
```

HypSubmitData

Describes the Oracle Smart View for Office VBA function, HypSubmitData.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypSubmitData() updates the database with modified data from the specified spreadsheet.

Note

- The ability to update the database depends on the access permissions of the submitter. To update data, you must have at least Write access to the database.
- For more guidelines on submitting data, see About the Submit Data Options.

Syntax

HypSubmitData(vtSheetName)

ByVal vtSheetName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

Return Value

For forms: Returns 0 if form is submitted successfully; otherwise, returns the appropriate error code.

For ad hoc: Returns 0 if ad hoc grid is submitted successfully and HsSetVal functions, if any, were run. Returns 1 if the sheet was not connected but HsSetVal functions, if any, were run. Returns 2 if sheet had no ad hoc grid but HsSetVal functions, if any, were run. Otherwise, returns the appropriate error code.



Example

```
Declare Function HypSubmitData Lib "HsAddin" (ByVal vtSheetName As Variant)
As Long
Sub Example_HypSubmitData()
Worksheets(Empty).range("B2").value = 8023
Worksheets(Empty).range("B2").Select
sts = HypSubmitData(Empty)
End Sub
```

HypSubmitSelectedRangeWithoutRefresh

Describes the Oracle Smart View for Office VBA function, HypSubmitSelectedRangeWithoutRefresh.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypSubmitSelectedRangeWithoutRefresh() updates the database with data, as is, from the selected data range; it ignores cells outside the selected range and does not overwrite (or refresh) them. The selected range does not automatically get refreshed after submit; the user must manually refresh the grid to retrieve the updated data. For a successful submit, the user must select a range which constitutes a valid grid. Some of the behaviors can be controlled with the parameters noted below.

(i) Note

- The ability to update the database depends on the access permissions of the submitter. To update data, you must have at least Write access to the database.
- For the HypSubmitSelectedRangeWithoutRefresh function to work, the sheet must already be connected to a data source, and a valid range selection must be made before calling the function.
- For a regular submit, Oracle recommends using the HypSubmitData function.

Syntax

HypSubmitSelectedRangeWithoutRefresh(vtSheetName)

ByVal vtSheetName As Variant

ByVal vtSubmitBlankCellsAsMissing As Variant

ByVal vtRefreshGridAfterSubmit As Variant

ByVal vtUseWholeSheet As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.



vtSubmitBlankCellsAsMissing: Unused. Should be set to False until the supported version of Oracle Hyperion Provider Services is available. If set to True results in an "Unsupported Provider Services" error.

vtRefreshGridAfterSubmit: If set to True, displays the selected grid result after a submit; if there is no submit operation, then sheet is not updated. If set to False, then submits only, and does not refresh the selected contents.

vtUseWholeSheet: Ignored in multiple-grid sheet. For single ad hoc grid sheet, if set to True, the whole sheet content is used. If set to False, uses the selected range as grid range.

Return Value

Returns 0 if the selected cells are submitted successfully; otherwise, returns the appropriate error code.

Example

Public Declare PtrSafe Function HypSubmitSelectedRangeWithoutRefresh Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtSubmitBlankCellsAsMissing As Variant, ByVal vtRefreshGridAfterSubmit As Variant, ByVal vtUseWholeSheet) As Long

```
Sub SubmitFreeform()
   sts = HypSubmitSelectedRangeWithoutRefresh("Sheet1", False, True, True)
   'submits the whole grid in the sheet and refreshes the grid with result
   sts = HypSubmitSelectedRangeWithoutRefresh("Sheet1", False, False, False)
   'submits only the selected grid range and no refresh is performed,
   'so the sheet content is left as is
End Sub
```

HypSubmitSelectedDataCells

Describes the Oracle Smart View for Office VBA function, HypSubmitSelectedDataCells.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypSubmitSelectedDataCells() allows the selected data cells to be submitted.

Note

- For free-form grids, this VBA function allows selected blank cells to be submitted as #Missing.
- The ability to update the database depends on the access permissions of the submitter. To update data, you must have at least Write access to the database.
- For the HypSubmitSelectedDataCells function to work, the sheet must already be connected to a data source, and a valid range selection must be made before calling the function.
- For a regular submit, Oracle recommends using the HypSubmitData function.



Syntax

HypSubmitSelectedDataCells(vtSheetName)

ByVal vtSheetName As Variant

ByVal vtDataRange as Variant

ByVal vtSubmitBlankCellsAsMissingInFreeFormGrid As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtDataRange: Unused. If vtDataRange is provided, it will be ignored. If this parameter is set to Empty, then the selected cells on the worksheet are submitted.

Currently, you must select data cells manually on the sheet or by using a Visual Basic Range Select macro, and then run the HypSubmitSelectedDataCells() function.

vtSubmitBlankCellsAsMissingInFreeFormGrid: Applies only to free-form grids. When set to "True", any blank cells in the selected range are submitted as #Missing. When set to false, blank cells will revert back to the value that was last stored with the provider.

Return Value

Returns 0 if the selected cells are submitted successfully and HsSetVal functions, if any, were run. Returns 1 if the sheet was not connected but HsSetVal functions, if any, were run. Returns 2 if sheet had no ad hoc grid but HsSetVal functions, if any, were run. Otherwise, returns the appropriate error code.

Example

```
Sub SubmitRange()
    'Example assumes sheet is already connected and the data
    'cells to be submitted are already selected
    sts = HypSubmitSelectedDataCells("Sheet1", Empty, True)
End Sub
```

HypPivot

Describes the Oracle Smart View for Office VBA function, HypPivot.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypPivot() transposes spreadsheet rows and columns, based on the selected dimension.

Syntax

HypPivot(vtSheetName, vtStart, vtEnd)



ByVal vtSheetName As Variant

ByVal vtStart As Variant

ByVal vtEnd As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtStart: The range object that refers to the single cell starting point of the pivot

vtEnd: The range object that refers to the single cell ending point of the pivot

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypPivot Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtStart As Variant, ByVal vtEnd As Variant) As Long
Sub Example_HypPivot()
X=HypPivot(Empty, RANGE("B2"), RANGE("D1"))
    If X = 0 Then
        MsgBox("Pivot successful.")
    Else
        MsgBox("Pivot failed.")
    End If
End Sub
```

HypPivotToGrid

Describes the Oracle Smart View for Office VBA function, HypPivotToGrid.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypPivotToGrid() moves the selected dimension and members from the POV to the spreadsheet grid.

Syntax

HypPivotToGrid (vtSheetName, vtDimensionName, vtSelection)

ByVal vtSheetName As Variant

ByVal vtDimensionName As Variant

ByVal vtSelection As Variant



Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtDimensionName: The currently selected dimension from the toolbar

vtSelection:The range object that refers to the single cell starting point of the pivot. Orientation is calculated based on the selection.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypPivotToGrid Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtDimensionName As Variant, ByVal vtSelection As Variant) As
Long

Sub Example_PivotGrid()
X = HypPivotToGrid(Empty, "Product", Range("E6"))
If X = 0 Then
    MsgBox ("Pivot to grid successful.")
Else
    MsgBox ("Pivot to grid failed.")
End If
End Sub
```

HypPivotToPOV

Describes the Oracle Smart View for Office VBA function, HypPivotToPOV.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypPivotToPOV() pivots from the grid to the POV.

Syntax

HypPivotToPOV (vtSheetName, vtSelection)

ByVal vtSheetName As Variant

ByVal vtSelection As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtSelection: The range object that refers to the single cell starting point of the pivot. Orientation is calculated based on the selection.



Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypPivotToPOV Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal vtSelection As Variant) As Long
Sub Example_HypPivotToPOV()
X=HypPivotToPOV(Empty, RANGE("E6"))
If X = 0 Then
    MsgBox("Pivot to POV successful.")
Else
    MsgBox("Pivot to POV failed.")
End If
End Sub
```

HypKeepOnly

Describes the Oracle Smart View for Office VBA function, HypKeepOnly.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning(ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypKeepOnly() retains only the selected member(s) in the sheet and removes unselected members.

Selection must include only member cells, not data cells.

Syntax

HypKeepOnly(vtSheetName, vtSelection)

ByVal vtSheetName As Variant

ByVal vtSelection As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtSelection: The range object that refers to the member(s) to be kept. If selection is Null or Empty, the active cell is used.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.



Examples

To keep only one member name:

```
Public Declare Function HypKeepOnly Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtSelection As Variant) As Long

Sub Example_HypKeepOnly()
   X=HypKeepOnly(Empty, RANGE("D2"))
   If X = 0 Then
        MsgBox("Keep Only successful.")
   Else
        MsgBox("Keep Only failed." + X)
   End If
End Sub
```

To keep multiple member names:

```
Public Declare Function HypKeepOnly Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtSelection As Variant) As Long

Sub Example_HypKeepOnly
    X=HypKeepOnly(Empty, RANGE("D2:A5"))
    If X = 0 Then
        MsgBox("Keep Only successful.")
    Else
        MsgBox("Keep Only failed." + X)
    End If
End Sub
```

HypRemoveOnly

Describes the Oracle Smart View for Office VBA function, HypRemoveOnly.

Cloud data provider types: Oracle Essbase, Planning ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypRemoveOnly() removes only the selected member(s) in the worksheet.

Selection must include only member cells, not data cells.

Syntax

HypRemoveOnly(vtSheetName, vtSelection)

ByVal vtSheetName As Variant

ByVal vtSelection As Variant



Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtSelection: The range object that refers to the member(s) to be removed. If selection is Null or Empty, the active cell is used.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Examples

To remove only one member name:

```
Public Declare Function HypRemoveOnly Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtSelection As Variant) As Long

Sub Example_HypRemoveOnly()
X=HypRemoveOnly(Empty, RANGE("D2"))
If X = 0 Then
    MsgBox("Remove Only successful.")
Else
    MsgBox("Remove Only failed." + X)
End If
End Sub
```

To remove multiple member names:

```
Public Declare Function HypRemoveOnly Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtSelection As Variant) As Long

Sub Example_HypRemoveOnly()
X=HypRemoveOnly(Empty, RANGE("D2, A5"))
If X = 0 Then
    MsgBox("Remove Only successful.")
Else
    MsgBox("Remove Only failed." + X)
End If
End Sub
```

HypZoomIn

Describes the Oracle Smart View for Office VBA function, HypZoomIn.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypZoomIn() retrieves and expands data from Smart View based on the selected members.



Syntax

HypZoomIn(vtSheetName, vtSelection, vtLevel, vtAcross)

ByVal vtSheetName As Variant

ByVal vtSelection As Variant

ByVal vtLevel As Variant

ByVal vtAcross As Variant (not used)

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtSelection: The range object that refers to the members to be zoomed in on. If the selection is Null or Empty, the active cell is used.

vtLevel: The number that indicates the level of the zoom. Available levels:

- 0 = Next level
- 1 = All levels
- 2 = Bottom level
- 3 = Siblings (available only for Essbase 11.1.2.1.102 or later connections using Oracle Hyperion Provider Services)
- 4 = Same Level (available only for Essbase 11.1.2.1.102 or later connections using Provider Services)
- 5 = Same generation (available only for Essbase 11.1.2.1.102 or later connections using Provider Services)
- 6 = Formulas (available only for Essbase 11.1.2.1.102 or later connections using Provider Services)

If Null, Empty or an incorrect value is passed, the currently selected option is used.

vtAcross: Not used.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Private Declare Function HypZoomIn Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtSelection As Variant, ByVal vtLevel As Variant, ByVal
vtAcross As Variant) As Long

Sub Example_HypZoomIn()
X=HypZoomIn(Empty, RANGE("B3"), 1, FALSE)
If X = 0 Then
    MsgBox("Zoom successful.")
Else
    MsgBox("Zoom failed.")
End If
End Sub
```



HypZoomOut

Describes the Oracle Smart View for Office VBA function, HypZoomOut.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypZoomOut() collapses the view of data based on the selected members.

Syntax

HypZoomOut(vtSheetName, vtSelection)

ByVal vtSheetName As Variant

ByVal vtSelection As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtSelection: The range object that refers to the members to be zoomed out on. If the selection is Null or Empty, the active cell is used.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Private Declare Function HypZoomOut Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtSelection As Variant) As Long

Sub Example_HypZoomOut()
X=HypZoomOut(Empty, RANGE("B3"))
If X = 0 Then
    MsgBox("Zoom out successful.")
Else
    MsgBox("Zoom out failed.")
End If
End Sub
```

Form Functions

Describes the Oracle Smart View for Office form VBA functions.

Related Topics

- About Forms
 - Describes the Oracle Smart View for Office form VBA functions.
- HypOpenForm

Describes the Oracle Smart View for Office VBA function, HypOpenForm.

HypOpenFlexForm

Describes the Oracle Smart View for Office VBA function, HypOpenFlexForm.

About Forms

Describes the Oracle Smart View for Office form VBA functions.

Forms are grid displays that enable users to enter data into the database and to view and analyze data or related text. In Oracle Hyperion Financial Management, forms are called "data forms."

HypOpenForm

Describes the Oracle Smart View for Office VBA function, HypOpenForm.

Cloud data provider types: Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypOpenForm () opens the specified form.

Syntax

HypOpenForm (vtSheetName, vtFolderPath, vtFormName, vtDimensionList(), vtMemberList())

ByVal vtSheetName As Variant

ByVal vtFolderPath As Variant

ByVal vtFormName As Variant

ByRef vtDimensionList() As Variant

ByRef vtMemberList() As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.



vtFolderPath: The folder path name

vtFormName: The name of the data form

vtDimensionList(): not in use vtMemberList(): not in use

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypOpenForm Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtFolderPath As Variant, ByVal vtFormName As Variant, ByRef
vtDimensionList() As Variant, ByRef vtMemberList() As Variant) As Long

Sub Example_HypOpenForm()
   Dim DimList() As Variant
   Dim MemList() As Variant
   sts = HypOpenForm(Empty, "/Forms/datal", "datal", DimList, MemList)
   MsgBox (sts)
End Sub
```

HypOpenFlexForm

Describes the Oracle Smart View for Office VBA function, HypOpenFlexForm.

Cloud data provider types: Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

Description

HypOpenFlexForm () opens the specified flex form.

Flex forms are a form type that provides flexible row management in Smart View. With flex forms, you can rearrange row dimensions, sort them, and insert valid members or aliases from corresponding dimensions. You can then enter and submit data on intersections that may not have otherwise been present on the form.

Syntax

Public Declare PtrSafe Function HypOpenFlexForm Lib "HsAddin" (ByVal vtSheetName As Variant,

ByVal vtFolderPath As Variant,

ByVal vtFormName As Variant,

ByRef vtDimensionList() As Variant,

ByRef vtMemberList() As Variant) As Long

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.



vtFolderPath: The folder path name

vtFormName: The name of the flex form

vtDimensionList(): not in use

vtMemberList(): not in use

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Sub testOpenFlexForm()
  Dim dimList() As Variant 'unused
  Dim MemList() As Variant 'unused
  sts = HypConnect("Sheet1", "admin", "password", "slcar274_HP4") 'apply
connection to a sheet
  sts = HypOpenFlexForm("Sheet1", "/Library/FlexForm", "FlexFormSample",
dimList, MemList) 'give proper path of flexform which has to be opened
End Sub
```

Cell Functions

Describes the Oracle Smart View for Office cell VBA functions.

Related Topics

About Cell Functions

Describes the Oracle Smart View for Office cell VBA functions.

HypGetDimMbrsForDataCell

Describes the Oracle Smart View for Office VBA function, HypGetDimMbrsForDataCell.

HypCel

Describes the Oracle Smart View for Office VBA function, HypCell.

HypFreeDataPoint

Describes the Oracle Smart View for Office VBA function, HypFreeDataPoint.

HypGetCellRangeForMbrCombination

Describes the Oracle Smart View for Office VBA function, HypGetCellRangeForMbrCombination.

HypGetDataPoint

Describes the Oracle Smart View for Office VBA function, HypGetDataPoint.

HypisCellWritable

Describes the Oracle Smart View for Office VBA function, HypIsCellWritable.

HypSetCellsDirty

Describes the Oracle Smart View for Office VBA function, HypSetCellsDirty.

HypDeleteAllLROs

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HypDeleteLROs

Describes the Oracle Smart View for Office VBA function, HypDeleteLROs.

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Describes the Oracle Smart View for Office VBA function, HypUpdateLRO.

HypListLROs

Describes the Oracle Smart View for Office VBA function, HypListLROs.

HypRetrieveLRO

Describes the Oracle Smart View for Office VBA function, HypRetrieveLRO.

HypExecuteDrillThroughReport

Describes the Oracle Smart View for Office VBA function, HypExecuteDrillThroughReport.

HypGetDrillThroughReports

Describes the Oracle Smart View for Office VBA function, HypGetDrillThroughReports.



About Cell Functions

Describes the Oracle Smart View for Office cell VBA functions.

Cell functions perform operations and retrieve information for data cells and their contents.

HypGetDimMbrsForDataCell

Describes the Oracle Smart View for Office VBA function, HypGetDimMbrsForDataCell.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypGetDimMbrsForDataCell() retrieves the entire set of dimension members for a data cell. These members must be in the grid.

Syntax

HypGetDimMbrsForDataCell (vtSheetName, vtCellRange, vtServerName, vtAppName, vtCubeName, vtFormName, vtDimensionNames, vtMemberNames)

ByVal vtSheetName As Variant

ByVal vtCellRange As Variant

ByRef vtServerName As Variant

ByRef vtAppName As Variant

ByRef vtCubeName As Variant

ByRef vtFormName As Variant

ByRef vtDimensionNames As Variant

ByRef vtMemberNames As Variant

Parameters

vtSheetName: Input variable; the name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtCellRange: Input variable; the range of the cell (one cell only)

vtServerName: Output variable; the name of the server the associated connection on the sheet is connected to

vtAppName: Output variable; the name of the application the associated connection on the sheet is connected to

vtCubeName: Output variable; the name of the cube associated connection on the sheet is connected to

vtFormName: Output variable; the name of the form the associated connection on the sheet is connected to (in ad hoc grids, this is returned as an empty string)



vtDimensionNames: Output variable; the array of dimension names

vtMemberNames: Output variable; the array of member names

Return Value

Returns 0 if successful; otherwise, the appropriate error code.

Example

In order to run the example below, the defined sheet in oSheetName must contain a valid grid, and the cell or cell range defined in oSheetDisp.Range must be a valid data cell within a grid.

```
Public Declare Function HypGetDimMbrsForDataCell Lib "HsAddin" (ByVal
vtSheetName As Variant, ByVal vtCellRange As Variant, ByRef vtServerName As
Variant, ByRef vtAppName As Variant, ByRef vtCubeName As Variant, ByRef
vtFormName As Variant, ByRef vtDimensionNames As Variant, ByRef vtMemberNames
As Variant) As Long
Sub Example_HypGetDimMbrsForDataCell()
Dim oRet As Long
Dim oSheetName As String
Dim oSheetDisp As Worksheet
Dim vtDimNames As Variant
Dim vtMbrNames As Variant
Dim vtServerName As Variant
Dim vtAppName As Variant
Dim vtCubeName As Variant
Dim vtFormName As Variant
Dim lNumDims As Long
Dim lNumMbrs As Long
Dim sPrintMsq As String
oSheetName = "Sheet1"
Set oSheetDisp = Worksheets("Sheet1")
oRet = HypGetDimMbrsForDataCell("", oSheetDisp.Range("valid data cell"),
vtServerName, vtAppName, vtCubeName, vtFormName, vtDimNames, vtMbrNames)
If (oRet = SS_OK) Then
    If IsArray(vtDimNames) Then
        lNumDims = UBound(vtDimNames) - LBound(vtDimNames) + 1
    End If
    If IsArray(vtMbrNames) Then
        lNumMbrs = UBound(vtMbrNames) - LBound(vtMbrNames) + 1
    End If
    sPrintMsg = "Number of Dimensions = " & lNumDims & " Number of Members =
" & lNumMbrs & " Cube Name - " & vtCubeName
    MsgBox (sPrintMsg)
End If
End Sub
```



HypCell

Describes the Oracle Smart View for Office VBA function, HypCell.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypCell() retrieves a cell value for a single member combination.

Syntax

HypCell(vtSheetName, ParamArray MemberList())

ByVal vtSheetName As Variant

ByVal ParamArray MemberList() As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

MemberList: A list of strings that describe the member combination for which a data value will be retrieved. If MemberList is Null or Empty, the top level value is used. Represent members as "Dimension#Member"; for example, "Year#Jan" or "Market#East".

Return Value

Returns the value of the data point if successful. Returns #No Connection if the sheet cannot be determined or is not connected to a data provider. Returns "Invalid Member *MemberName* or dimension *DimensionName*" if a member is incorrect.

```
Declare Function HypCell Lib "HsAddin" (ByVal vtSheetName As Variant,
ParamArray MemberList() As Variant) As Variant

Sub Example_HypCell()
Dim X As String
X=HypCell(Empty, "Year#Qtrl", "Scenario#Actual", "Market#Oregon")
   If X = "#No Connection" Then
        MsgBox("Not logged in, or sheet not active.")
   Else
        If Left(X, 15) = "#Invalid member" then
              MsgBox("Member name incorrect.")
        Else
              MsgBox(X + " Value retrieved successfully.")
        End If
   End If
End Sub
```



Note

The value of the data point returned is not placed in a cell in the spreadsheet automatically. To place the value in a cell, use the Visual Basic select method and the ActiveCell property. See your Visual Basic documentation for more information.

HypFreeDataPoint

Describes the Oracle Smart View for Office VBA function, HypFreeDataPoint.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypFreeDataPoint() frees any memory allocated by HypGetDataPoint.

Syntax

HypFreeDataPoint(vtInfo)

ByRef vtInfo As Variant

Parameters

vtInfo: The variant array returned by HypGetDataPoint

Return Value

Returns 0 if successful; returns -15 ("Invalid Parameter)") if not successful.

Example

See <u>HypGetDataPoint</u> for an example of HypFreeDataPoint.

HypGetCellRangeForMbrCombination

Describes the Oracle Smart View for Office VBA function, HypGetCellRangeForMbrCombination.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypGetCellRangeForMbrCombination() retrieves the cell range for the selected combination of members.



Syntax

HypGetCellRangeForMbrCombination (vtSheetName, vtDimNames, vtMbrNames, vtCellIntersectionRange)

By Val vtSheetName As Variant

ByRef vtDimNames As Variant

ByRef vtMbrNames As Variant

ByRef vtCellIntersectionRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtDimNames: Input variable; the array of dimension names

vtMbrNames: Input variable; the array of member names corresponding to the dimensions (in the same order)

vtCellIntersectionRange: Output variable; the range of the cell(s) on the grid

Return Value

Returns SS_OK if successful; otherwise, the appropriate error code.

```
Public Declare Function HypGetCellRangeForMbrCombination Lib "HsAddin" (ByVal vtSheetName As Variant, ByRef vtDimNames() As Variant, ByRef vtMbrNames() As Variant, ByRef vtCellIntersectionRange As Variant) As Long Sub Example_HypGetCellRangeForMbrCombination()
```

```
Dim oRet As Long
Dim oSheetName As String
Dim oSheetDisp As Worksheet
Dim vtDimNames(3) As Variant
Dim vtMbrNames(3) As Variant
Dim vtReturnCellRange As Variant
Dim oRange As Range
'oSheetName = Empty
'Set oSheetDisp = Worksheets(oSheetName$)
vtDimNames(0) = "Measures"
vtDimNames(1) = "Market"
vtDimNames(2) = "Year"
vtDimNames(3) = "Product"
'vtDimNames(4) = ""
vtMbrNames(0) = "Sales"
vtMbrNames(1) = "New York"
vtMbrNames(2) = "Year"
vtMbrNames(3) = " Product"
```



```
'vtMbrNames(4) = ""

oRet = HypGetCellRangeForMbrCombination ("", vtDimNames, vtMbrNames,
vtReturnCellRange)

If (oRet = 0) Then
        Set oRange = vtReturnCellRange
End If
End Sub
```

HypGetDataPoint

Describes the Oracle Smart View for Office VBA function, HypGetDataPoint.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypGetDataPoint() retrieves member information for a single data cell. For example, to find out the members that consist of the data intersection at cell B6, HypGetDataPoint may return the members January, California, Actual, Root Beer, Profit.

Syntax

HypGetDataPoint (vtSheetName, vtCell)

By Val vtSheetName As Variant

By Val vtCell As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtCell: The reference cell for which to retrieve the member combination information

Return Value

Returns an array of member names.

```
Declare Function HypGetDataPoint Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtCell As Variant) As Variant
```

```
Sub Example_HypGetDataPoint()
Dim vt As Variant
Dim cbItems As Variant
Dim i As Integer
Dim pMember As String
vt = HypGetDataPoint(Empty, range ("B3"))
If IsArray(vt) Then
    cbItems = UBound(vt) - LBound(vt) + 1
```



HypIsCellWritable

Describes the Oracle Smart View for Office VBA function, HypIsCellWritable.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypIsCellWritable() checks to see whether a cell is writable.

Syntax

HypIsCellWritable (vtSheetName, vtCellRange)

ByVal vtSheetName As Variant

ByVal vtCellRange As Variant

Parameters

vtSheetName: Input parameter; the name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtCellRange: Output parameter; the range of the cell (one cell only) whose writability is to be checked

Return Value

Returns VARIANT TRUE if the cell is writable; otherwise, VARIANT FALSE.

```
Public Declare Function HypIsCellWritable Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtCellRange As Variant) As Boolean

Sub Example_HypIsCellWritable()

Dim oRet As Boolean

Dim oSheetName As String

Dim oSheetDisp As Worksheet

oSheetName = "Sheet1"
```



```
Set oSheetDisp = Worksheets(oSheetName$)
oRet = HypIsCellWritable (Empty, oSheetDisp.Range("G2"))
```

End Sub

HypSetCellsDirty

Describes the Oracle Smart View for Office VBA function, HypSetCellsDirty.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypSetCellsDirty() marks selected data range dirty for submitting data.

Syntax

HypSetCellsDirty (vtSheetName, vtRange)

ByVal vtSheetName As Variant

ByVal vtRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtRange: Variant data range to be marked as dirty

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypSetCellsDirty Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtRange As Variant) As Long
Sub Example_HypSetCellsDirty()
   X=HypSetCellsDirty (Empty, Range ("A3:B3"))
End Sub
```

HypDeleteAllLROs

Describes the Oracle Smart View for Office VBA function, HypDeleteAllLROs.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase



Description

HypDeleteAllLROs() deletes all linked reporting objects from the cells specified by the vtSelectionRange parameter.

Syntax

HypDeleteAllLROs (vtSheetName, vtSelectionRange)

ByVal vtSheetName As Variant

ByVal vtSelectionRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtSelectionRange: The range of cells from which to delete all linked reporting objects

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypDeleteAllLROs Lib "HsAddin" (ByVal vtSheetName As
Variant,ByVal vtSelectionRange As Variant) As Long
Sub Example_HypDeleteAllLROs
sts = HypDeleteAllLROs("Sheet1", Range("B3"))
End Sub
```

HypDeleteLROs

Describes the Oracle Smart View for Office VBA function, HypDeleteLROs.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypDeleteLROs() deletes one or more linked reporting objects from the cells specified by the vtSelectionRange parameter.

Syntax

HypDeleteLROs (vtSheetName, vtSelectionRange, vtLROIDs())

ByVal vtSheetName As Variant

ByVal vtSelectionRange As Variant

ByRef vtLROIDs() As Variant



Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtSelectionRange: Input variable; the range of cells from which to delete all linked reporting objects

vtLROIDs(): Input variable; the array of LRO Ids to be deleted

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypDeleteLROs Lib "HsAddin" (ByVal vtSheetName As
Variant,ByVal vtSelectionRange As Variant, ByRef vtLROIDs() As Variant) As
Long

Sub Example_HypDeleteLROs()
Dim LROIDs(1)
LROIDs(0) = 1
LROIDs(1) = 2
sts = HypDeleteLROs("Sheet1", Range("B3"), LROIDs)
End Sub
```

HypAddLRO

Describes the Oracle Smart View for Office VBA function, HypAddLRO.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypAddLRO() adds linked reporting objects to the cells specified by the vtSelectionRange parameter. To see the added linked reporting objects, you must launch the **Linked Reporting Objects** dialog box or or use HypListLRO.

Syntax

HypAddLRO(vtSheetName, vtSelectionRange, vtlType, vtName, vtDescription)

ByVal vtSheetName As Variant

ByVal vtSelectionRange As Variant

ByVal vtlType As Variant

ByVal vtName As Variant

ByVal vtDescription As Variant



Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtSelectionRange: Input parameter; the range of cells to associate with the linked reporting object

vtlType: Input parameter; the linked reporting object type expressed as a constant

- 1—Cell note
- 2—File
- 3—URL

vtName: Input variable; the location of the file with filename and URL information. Not used for cell note.

vtDescription: Input variable; the description of the cell note, file, or URL

Return Value

Returns 0 if successful; otherwise, returns the corresponding error code.

Example

```
Public Declare Function HypAddLRO Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtSelectionRange As Variant, ByVal vtlType As Variant, ByVal
vtName As Variant, ByVal vtDescription As Variant, ByRef vtLROIDs() As
Variant) As Long
Sub Example_HypAddLRO()
sts = HypAddLRO("Sheet1", Range("B3"), 1, "", "Hello World")
End Sub
```

HypUpdateLRO

Describes the Oracle Smart View for Office VBA function, HypUpdateLRO.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypUpdateLRO() updates linked reporting objects associated with the cells specified by the vtSelectionRange parameter. To see the updates, you must launch the **Linked Reporting Objects** dialog box or or use HypListLRO.

Syntax

HypUpdateLRO(vtSheetName, vtSelectionRange, vtID,vtlType, vtName, vtDescription)

ByVal vtSheetName As Variant

ByVal vtSelectionRange As Variant

ByVal vtID As Variant

ByVal vtlType As Variant



ByVal vtName As Variant

ByVal vtDescription As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtSelectionRange: Input variable; the range of cells to associate with the linked reporting object

vtID: Input variable; the ID of the linked reporting object to be updated

vtlType: Input variable; the linked reporting object type expressed as a constant

- 1—Cell note
- 2—File
- 3-URL

vtName: Input variable; the location of the file with filename and URL information. Not used for cell note.

vtDescription: Input variable; the description of the cell note, file, or URL

Return Value

Returns 0 if successful; otherwise, returns the corresponding error code.

Example

```
Public Declare Function HypUpdateLRO Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtSelectionRange As Variant, ByVal vtID As Variant, ByVal
vtlType As Variant, ByVal vtName As Variant, ByVal vtDescription As Variant)
As Long
Sub Example_HypUpdateLRO
sts = HypUpdateLRO("Sheet1", Range("B3"), "2", 2, "d:\test2.txt", "linked
object")
End Sub
```

HypListLROs

Describes the Oracle Smart View for Office VBA function, HypListLROs.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypListLROs() lists all linked reporting objects associated with the cells specified by the vtSelectionRange parameter.

Syntax

HypListLROs (vtSheetName, vtSelectionRange, vtLRO)

ByVal vtSheetName As Variant



ByVal vtSelectionRange As Variant

ByRef vtLRO As LRO_Info

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtSelectionRange: Input variable; the range of cells from which to list all linked reporting objects

vtLRO: Output variable; the 2-dimensional array of linked reporting objects

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypListLROs Lib "HsAddin" (ByVal vtSheetName As
Variant,ByVal vtSelectionRange As Variant,ByRef vtLRO) As Long

Dim ObjectList As LRO_Info
Sub Example_HypListLROs()
sts = HypListLROs("Sheet1", Range("B3"), ObjectList)
End Sub
```

HypRetrieveLRO

Describes the Oracle Smart View for Office VBA function, HypRetrieveLRO.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypRetrieveLRO() retrieves linked reporting objects associated with the cells specified by the vtSelectionRange parameter. To see the linked reporting objects, you must launch the **Linked Reporting Objects** dialog box or or use HypListLRO.

Syntax

HypRetrieveLRO(vtSheetName, vtSelectionRange, vtID,vtlType, vtName, vtDescription)

ByVal vtSheetName As Variant

ByVal vtSelectionRange As Variant

ByVal vtID As Variant

ByVal vtName As Variant

ByVal vtDescription As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.



vtSelectionRange: Input variable; the range of cells to associate with the linked reporting object

vtID: Input variable; the ID of the linked reporting object to be retrieved. This is provided when you execute HypListLROs.

vtName: Output variable; the name of the linked reporting object

vtDescription: Output variable; the description of the retrieved linked reporting object

Return Value

Returns 0 if successful; otherwise, returns the corresponding error code.

Example

Public Declare Function HypRetrieveLRO Lib "HsAddin" (ByVal vtSheetName As Variant,ByVal vtSelectionRange As Variant,ByVal vtID As Variant,ByRef vtName As Variant,ByRef vtDescription As Variant) As Long

```
Sub Example_HypRetrieveLRO
sts = HypRetrieveLRO("Sheet1", Range("B3"), "1", vtName, vtDescription)
End Sub
```

HypExecuteDrillThroughReport

Describes the Oracle Smart View for Office VBA function, HypExecuteDrillThroughReport.

Data provider types: Oracle Essbase on-premises

Description

HypExecuteDrillThroughReport() executes the specified drill-through report. See also HypGetDrillThroughReports.

Syntax

HypExecuteDrillThroughReport(vtSheetName, vtSelectionRange, vtID, vtName, vtURL, vtURLTemplate, vtType)

ByVal vtSheetName As Variant

ByVal vtSelectionRange As Variant

ByVal vtID As Variant

ByVal vtName As Variant

ByVal vtURL As Variant

ByVal vtURLTemplate As Variant

ByVal vtType As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.



vtSelectionRange: Input variable; the range of cells in which to execute the drill-through report

vtID: Input variable; the ID for the execution of the drill-through report. This is returned from the server when you run HypGetDrillThroughReports.

vtName: Input variable; the name of the drill-through report. This is returned from the server when you run HypGetDrillThroughReports.

vtURL: Input variable; the URL of the drill-through report. This is returned from the server when you run HypGetDrillThroughReports.

vtURLTemplate: Input variable; the URL template of the drill-through report. This is returned from the server when you run HypGetDrillThroughReports.

vtType: Input variable; the type of the drill-through report. This is returned from the server when you run HypGetDrillThroughReports.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypExecuteDrillThroughReport Lib "HsAddin" (ByVal
vtSheetName As Variant,ByVal vtSelectionRange As Variant,ByVal vtID As
Variant,ByVal vtName As Variant,ByVal vtURL As Variant,ByVal vtURLTemplate As
Variant,ByVal vtType As Variant) As Long

Sub Example_HypExecuteDrillThroughReport()
sts = HypExecuteDrillThroughReport("Sheet3", Range("B3"), ids(0), names(0),
"", "", "")
End Sub
```

HypGetDrillThroughReports

Describes the Oracle Smart View for Office VBA function, HypGetDrillThroughReports.

Data provider types: Oracle Essbase on-premises

Description

HypGetDrillThroughReports() retrieves a list of drill-through reports. See also HypExecuteDrillThroughReport.

Syntax

HypGetDrillThroughReports(vtSheetName, vtSelectionRange, vtIDs, vtNames, vtURLs, vtURLTemplates, vtTypes)

ByVal vtSheetName As Variant

ByVal vtSelectionRange As Variant

ByVal vtIDs As Variant

ByVal vtNames As Variant

ByVal vtURLs As Variant



ByVal vtURLTemplates As Variant

ByVal vtTypes As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtSelectionRange: The range of cells that contain the drill-through reports to retrieve

vtIDs: Output variable; the array of the IDs returned from the server

vtNames: Output variable; the array of the names returned from the server

vtURLs: Output variable; the array of the URLs returned from the server

vtURLTemplates: Output variable; the array of the URL templates returned from the server

vtTypes: Output variable; the array of the types returned from the server

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Public Declare Function HypGetDrillThroughReports Lib "HsAddin" (ByVal vtSheetName As Variant,ByVal vtSelectionRange As Variant,ByRef vtIDs As Variant,ByRef vtNames As Variant,ByRef vtURLs As Variant,ByRef vtURLTemplates As Variant,ByRef vtTypes As Variant) As Long

```
Sub Example_HypGetDrillThroughReports()
sts = HypGetDrillThroughReports("Sheet3", Range("B3"), ids, names, urls,
urltemplates, types)
End Sub
```

POV Functions

Describes the Oracle Smart View for Office POV VBA functions.

Related Topics

About POV Functions

Describes the Oracle Smart View for Office POV VBA functions.

HypSetPOV

Describes the Oracle Smart View for Office VBA function, HypSetPOV.

HypGetBackgroundPOV

Describes the Oracle Smart View for Office VBA function, HypGetBackgroundPOV.

HypSetBackgroundPOV

Describes the Oracle Smart View for Office VBA function, HypSetBackgroundPOV.

HypGetPagePOVChoices

Describes the Oracle Smart View for Office VBA function, HypGetPagePOVChoices.

HypSetPages

Describes the Oracle Smart View for Office VBA function, HypSetPages.

HypGetMembers

Describes the Oracle Smart View for Office VBA function, HypGetMembers.

HypSetMembers

Describes the Oracle Smart View for Office VBA function, HypSetMembers.

HypGetActiveMember

Describes the Oracle Smart View for Office VBA function, HypGetActiveMember.

HypSetActiveMember

Describes the Oracle Smart View for Office VBA function, HypSetActiveMember.

HypGetDimensions

Describes the Oracle Smart View for Office VBA function, HypGetDimensions.

HypSetDimensions

Describes the Oracle Smart View for Office VBA function, HypSetDimensions.

About POV Functions

Describes the Oracle Smart View for Office POV VBA functions.

POV functions specify or retrieve settings for the POV.

HypSetPOV

Describes the Oracle Smart View for Office VBA function, HypSetPOV.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)



On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypSetPOV() sets the POV for the selected ad hoc worksheet. This function does not support data forms; for forms, use HypSetPages.

To set the POV more efficiently, HypSetDimensions may be used instead of HypSetPOV.

Syntax

HypSetPOV(vtSheetName, ParamArray MemberList())

ByVal vtSheetName As Variant

ParamArray MemberList() As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

ParamArray MemberList(): A list of strings that describe the member combination for which a data value will be retrieved. If MemberList is null or empty, the top level value is used.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code. If you use this function on a form instead of an ad hoc worksheet, error -69 (deprecated VBA) is returned.

Example

```
Declare Function HypSetPOV Lib "HsAddin" (ByVal vtSheetName As Variant,
ParamArray MemberList() As Variant) As Long
Sub Example_HypSetPOV()
   X=HypSetPOV (Empty, "Year#Qtrl", "Market#East")
End Sub
```

HypGetBackgroundPOV

Describes the Oracle Smart View for Office VBA function, HypGetBackgroundPOV.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypGetBackgroundPOV() returns the list of background POV members as two-string arrays. One string array contains the POV dimension names; the other contains the member names.

Syntax

HypGetBackgroundPOV (vtFriendlyName, vtDimensionNames, vtMemberNames)

ByVal vtFriendlyName As Variant



ByRef vtDimensionNames As Variant

ByRef vtMemberNames As Variant

Parameters

vtFriendlyName: Input variable; the connection name of the data provide.

vtDimensionNames: Output variable; the dimension names array

vtMemberNames: Output variable; the member names array (one member per POV

dimension)

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

This example assumes that the worksheet is connected and has a grid.

```
Public Declare Function HypGetBackgroundPOV Lib "HsAddin" (ByVal
vtFriendlyName As Variant, ByRef vtDimensionNames As Variant, ByRef
vtMemberNames As Variant) As Long
Sub Example_GetBackgroundPOV()
sts = con = HypGetBackgroundPOV("stm10026_Sample_Basic", vtDim, vtMem)
End Sub
```

HypSetBackgroundPOV

Describes the Oracle Smart View for Office VBA function, HypSetBackgroundPOV.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypSetBackgroundPOV() sets the POV for the connection object in the POV Manager.

Syntax

HypSetBackgroundPOV(vtFriendlyName, ParamArray MemberList())

ByVal vtFriendlyName As Variant

ParamArray MemberList() As Variant

Parameters

vtFriendlyName: The connection name of the data provider.

MemberList: A list of strings that describe the member combination for which a data value will be retrieved. If MemberList is Null or Empty, the top level HypSetDimensions value is used.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.



Example

Declare Function HypSetBackgroundPOV Lib "HsAddin" (ByVal vtFriendlyName, ParamArray MemberList() As Variant) As Long

Sub Example_ypSetBackgroundPOV()

Sub Example_ypsetBackgroundPOV()
X=HypSetBackgroundPOV ("My Connection","Year#Qtr1", "Market#East")
End Sub

HypGetPagePOVChoices

Describes the Oracle Smart View for Office VBA function, HypGetPagePOVChoices.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypGetPagePOVChoices() returns the available member names and member description for a given dimension.

Syntax

HypGetPagePOVChoices(vtSheetName, vtDimensionName, vtMbrNameChoices, vtMbrDescChoices)

ByVal vtSheetName As Variant

ByVal vtDimensionName As Variant

ByRef vtMbrNameChoices As Variant

ByRef vtMbrDescChoices As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtDimensionName: The dimension names in the POV

vtMbrNameChoices: Output parameter; the array of member names

vtMbrDescChoices: Output parameter; the array of member descriptions

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Public Declare Function HypGetPagePOVChoices Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtDimensionName As Variant, ByRef vtMbrNameChoices As Variant, ByRef vtMbrDescChoices As Variant) As Long Sub Example_HypGetPagePOVChoices()



```
Dim mbrName As Variant
Dim mbrDesc As Variant
sts = HypGetPagePOVChoices(Empty, "Product", vtMbrNameChoices,
vtMbrDescChoices)
MsgBox (sts)
End Sub
```

HypSetPages

Describes the Oracle Smart View for Office VBA function, HypSetPages.

Cloud data provider types: Planning (forms only), Planning Modules (forms onlyO, Financial Consolidation and Close (forms only), Tax Reporting (forms only)

On-premises data provider types: Oracle Hyperion Planning (forms only), Oracle Hyperion Financial Management (forms only)

Description

HypSetPages() sets the page members for the selected sheet.

Syntax

HypSetPages (ByVal vtSheetName, ParamArray MemberList())

ByVal vtSheetName As Variant

ParamArray MemberList() As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

ParamArray MemberList(): The list of desired page member items in the form Dimension#Current Member. If MemberList is Null or Empty, the top level value is used.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypSetPages Lib "HsAddin" (ByVal vtSheetName As
Variant, ParamArray MemberList() As Variant) As Long
Sub Example_HypSetPages()
X=HypSetPages (Empty, "Entity#Operations", "Scenario#Current")
End Sub
```

HypGetMembers

Describes the Oracle Smart View for Office VBA function, HypGetMembers.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting



On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypGetMembers() gets the list of selected or used members for a given dimension present in the grid.

For Essbase, Oracle Hyperion Planning, and Planning, member names are based on the selected alias table.

For Financial Management, the second array returns the descriptions.

For POV (in forms), Page (in ad hoc) and user variables, a single member is returned.

To uniquely identify the user variable, provide the user variable name rather than the dimension name.

Syntax

HypGetMembers (vtSheetName, vtDimensionName, vtMbrNameChoices, vtMbrDescChoices)

ByVal vtSheetName As Variant

ByVal vtDimensionName As Variant

ByRef vtMbrNameChoices As Variant

ByRef vtMbrDescChoices As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtDimensionName: Input variable; the name of the dimension for which the selected member list is to be returned

vtMbrNameChoices: Output variable; the array of member names used

vtMbrDescChoices: Output variable; the array of member name descriptions. For Essbase, Oracle Hyperion Planning, and Planning, this is the same as member names. This list will be empty if the dimension is a row or column dimension.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

This example assumes that the worksheet is connected and has a grid.

```
Public Declare Function HypGetMembers Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtDimensionName As Variant, ByRef vtMbrNameChoices As Variant, ByRef vtMbrDescChoices As Variant) As Long
Sub Example_HypGetMembers()
sts = HypGetMembers("Sheet1", "Year", vtMbr, vtDes)
End Sub
```



HypSetMembers

Describes the Oracle Smart View for Office VBA function, HypSetMembers.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypSetMembers() sets the list of POV dimension choices in ad hoc grids and the Page list in Financial Management forms.

This function cannot be used to set the Page list in Planning forms, nor can it be used to set row or column members.

The member list submitted by the user is validated before it is set.

Syntax

HypSetMembers (vtSheetName, vtDimensionName, ParamArray MemberList())

ByVal vtSheetName As Variant

ByVal vtDimensionName As Variant

ParamArray MemberList() As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtDimensionName: Input variable; the name of the dimension for which the selected member list is to be set

MemberList: Input variable; the array of member names to be set as choices

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

This example assumes that the worksheet is connected and has a grid. Note: "InvalidMember" does not belong to the Entity dimension and therefore will not be included in the list of dimension choices.

```
Public Declare Function HypSetMembers Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtDimensionName As Variant, ParamArray MemberList() As
Variant) As Long
Sub Example_HypSetMembers()
sts = HypSetMembers("Sheet1", "Entity", "Regional", "InvalidMember", "None")
End Sub
```



HypGetActiveMember

Describes the Oracle Smart View for Office VBA function, HypGetActiveMember.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Data provider types:

Description

HypGetActiveMember () returns the active member name of the given dimension. The active member for page dimensions, POV dimensions, and user variables can be retrieved on ad hoc or form worksheets. Row and column dimensions are not returned.

Syntax

HypGetActiveMember (vtDimName, vtMember)

ByVal vtDimName As Variant

ByRef vtMember As Variant

Parameters

vtDimName: Input variable; the dimension name whose active member is to be retrieved

vtMember: Output variable; the active member name returned

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

This example assumes that the worksheet is connected and has a grid.

```
Public Declare Function HypGetActiveMember Lib "HsAddin" (ByVal vtDimName As
Variant, ByRef vtMember As Variant) As Long
Sub Example_GetActiveMember()
sts = HypGetActiveMember("Market", vtMem)
End Sub
```

HypSetActiveMember

Describes the Oracle Smart View for Office VBA function, HypSetActiveMember.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management



Description

HypSetActiveMember() sets the active member for a given dimension: page, POV, and user variables. Does not apply to row and column dimensions.

Syntax

HypSetActiveMember (vtDimName, vtMember)

ByVal vtDimName As Variant

ByVal vtMember As Variant

Parameters

vtDimName: Input variable; the dimension name whose active member is to be changed or set

vtMember: Input variable; the active member to be set

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

This example assumes that the worksheet is connected and has a grid.

```
Public Declare Function HypSetActiveMember Lib "HsAddin" (ByVal vtDimName As
Variant, ByVal vtMember As Variant) As Long
Sub Example_HypSetActiveMember()
sts = HypSetActiveMember("Market", "Washington")
End Sub
```

HypGetDimensions

Describes the Oracle Smart View for Office VBA function, HypGetDimensions.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypGetDimensions() returns an array containing the dimension names in the grid and an array containing their corresponding types. HypGetDimensions() can be used in place of the deprecated HypGetPOV() function.

Type array has five possible types (row, column, page, POV, user variable), which can be identified using the following enumeration:

```
Enum DIMENSION_TYPE

ROW_DIM = 0

COL = 1

POV = 2

PAGE = 3
```



USERVAR = 5

End Enum

To uniquely identify the user variable, use the user variable name rather than the dimension name

Syntax

HypGetDimensions (vtSheetName, vtMemberNames, vtType)

ByVal vtSheetName As Variant

ByRef vtMemberNames As Variant

ByRef vtType As Variant

Parameters

vtSheetName: Input parameter; the name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtMemberNames: Output variable; the dimension name array present in the grid

vtType: Output variable; the type information for the respective dimension

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

This example assumes that the worksheet is connected and has a grid.

```
Public Declare Function HypGetDimensions Lib "HsAddin" (ByVal vtSheetName As
Variant, ByRef vtMemberNames As Variant, ByRef vtType As Variant) As Long
Sub Example_GetDimensions()
sts = HypGetDimensions("Sheet1", vtDim, vtType)
End Sub
```

HypSetDimensions

Describes the Oracle Smart View for Office VBA function, HypSetDimensions.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypSetDimensions() specifies an ad hoc grid layout other than the default grid by rearranging the metadata of the grid. In this function, you specify an array containing the dimension names in the grid and an array containing their corresponding types.

If HypSetDimensions() is used on an existing ad hoc report, the entire grid layout is rearranged, and comments, formulas, and formatting are lost.



Syntax

HypSetDimensions(vtSheetName, vtDimNames(), vtType())

ByVal vtSheetName() As Variant

ByRef vtDimNames() As Variant

ByRef vtType() As Variant)

Parameters

vtSheetName: Input parameter; the name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtDimNames(): Input parameter; the dimension name array present in the grid

vtType(): Input parameter; the type information for the respective dimension. Possible values:

- Row dimension (ROW_DIM) = 0
- Column (COL) = 1
- POV (POV) = 2
- Page dimension (PAGE) = 3
- User variable (USERVAR) = 5

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

This example assumes that the worksheet is connected.

```
Public Declare Function HypSetDimensions Lib "HsAddin" (ByVal vtSheetName()
As Variant, ByRef vtDimNames() As Variant, ByRef vtType() As Variant) As Long
Sub Example_HypSetDimensions()
Dim dims(3) As Variant
Dim types(3) As Variant
dims(0) = "Product"
dims(1) = "Market"
dims(2) = "Scenario"
dims(3) = "Measures"
types(0) = ROW_DIM
types(1) = COL
types(2) = POV
types(3) = POV
sts = HypSetDimensions("Sheet2", dims, types)
End Sub
```

Calculation Script and Business Rule Functions

Describes the Oracle Smart View for Office calculation script and business rule VBA functions.

Related Topics

- About Calculation Script and Business Rule Functions
 Describes the Oracle Smart View for Office calculation script and business rule VBA functions.
- HypListCalcScripts
 Describes the Oracle Smart View for Office VBA function, HypListCalcScripts.
- HypListCalcScriptsEx
 Describes the Oracle Smart View for Office VBA function, HypListCalcScriptsEx.
- HypExecuteCalcScript
 Describes the Oracle Smart View for Office VBA function, HypExecuteCalcScript.
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- HypExecuteCalcScriptEx2
 Describes the Oracle Smart View for Office VBA function, HypExecuteCalcScriptEx2.
- HypGetCalcScript
 Describes the Oracle Smart View for Office VBA function, HypGetCalcScript.
- HypExecuteCalcScriptString
 Describes the Oracle Smart View for Office VBA function, HypExecuteCalcScriptString.
- HypDeleteCalc
 Describes the Oracle Smart View for Office VBA function, HypDeleteCalc.

About Calculation Script and Business Rule Functions

Describes the Oracle Smart View for Office calculation script and business rule VBA functions.

Calculation script and business rule functions retrieve or execute calculation scripts and business rules.

HypListCalcScripts

Describes the Oracle Smart View for Office VBA function, HypListCalcScripts.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypListCalcScripts() lists all calculation scripts present on an Essbase server.



Syntax

HypListCalcScripts (vtSheetName, vtScriptArray)

ByVal vtSheetName As Variant

ByRef vtScriptArray As Variant

Parameters

vtSheetName: Input parameter; the name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtScriptArray: Output parameter; the array of business rule scripts

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypListCalcScripts Lib "HsAddin" (ByVal vtSheetName As
Variant, ByRef vtScriptArray As Variant) As Long
Sub Example_HypListCalcScripts()
Dim sts As Long
Dim paramList As Variant
sts = HypListCalcScripts(Empty, paramList)
If IsArray(paramList) Then
   cbItems = UBound(paramList) - LBound(paramList) + 1
        MsgBox ("Number of elements = " + Str(cbItems))
For i = LBound(paramList) To UBound(paramList)
        MsgBox ("Member = " + paramList(i))
Next
   Else
        MsgBox ("Return Value = " + sts)
End If
End Sub
```

HypListCalcScriptsEx

Describes the Oracle Smart View for Office VBA function, HypListCalcScriptsEx.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning

Description

HypListCalcScriptsEx() lists all business rules.



See <u>Usage</u> in <u>HypExecuteCalcScriptEx</u> for more information.



Syntax

HypListCalcScriptsEx (vtSheetName, vtbRuleOnForm, vtCubeNames, vtBRNames, vtBRTypes, vtBRHasPrompts, vtBRNeedsPageInfo, vtBRHidePrompts)

ByVal vtSheetName As Variant

ByVal vtbRuleOnForm As Variant

ByRef vtCubeNames As Variant

ByRef vtBRNames As Variant

ByRef vtBRTypes As Variant

ByRef vtBRHasPrompts As Variant

ByRef vtBRNeedsPageInfo As Variant

ByRef vtBRHidePrompts As Variant

Parameters

vtSheetName: Input parameter; the name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtbRuleOnForm: Input parameter; the boolean to indicate whether to list business rules associated only with the form opened on the sheet. If set to False, all business rules associated with the application are returned.

vtCubeNames: Output parameter; the array of cube names associated with the business rules

vtBRNames: Output parameter; the array of business rule names

vtBRTypes: Output parameter; the array of business rule types

vtBRHasPrompts: Output parameter; the array of Booleans that indicate whether the business rule has runtime prompts (RTP)

vtBRNeedsPageInfo: Output parameter; the array of Booleans that indicate whether the business rule requires Page Information to be run on the sheet

vtBRHidePrompts: Output parameter; the array of Booleans that indicate whether the RTPs for the business rule are hidden

Return Value

Returns 0 if successful; otherwise, the appropriate error code.

Example

Public Declare Function HypListCalcScriptsEx Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtbRuleOnForm As Variant, ByRef vtCubeNames As Variant, ByRef vtBRNames As Variant, ByRef vtBRTypes As Variant, ByRef vtBRHasPrompts As Variant, ByRef vtBRNeedsPageInfo As Variant, ByRef vtBRHidePrompts As Variant) As Long
Sub RunListCalcScriptsEx()
sts = HypListCalcScriptsEx(Empty, True, CubeName, BRNames, BRTypes, BRHasPrompts, BRNeedsPageInfo, BRHidePrompts)
End Sub



HypExecuteCalcScript

Describes the Oracle Smart View for Office VBA function, HypExecuteCalcScript.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypExecuteCalcScript() uses a calculation script (business rule script) to initiate a calculation on the server.

Syntax

HypExecuteCalcScript (vtSheetName, vtCalcScript, vtSynchronous)

ByVal vtSheetName As Variant

ByVal vtCalcScript As Variant

ByVal vtSynchronous As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtCalcScript: The name of the calculation script on the server in the database directory to run. To run the default calculation script, use <code>Default</code>.

vtSynchronous: Not used

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Declare Function HypExecuteCalcScript Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtCalcScript As Variant, ByVal vtSynchronous As Variant) As Long
```

```
Sub Example_HypExecuteCalcScript()
X = HypExecuteCalcScript (Empty, "Default", False)
   If X = 0 Then
        MsgBox("Calculation complete.")
   Else
        MsgBox("Calculation failed.")
   End If
End Sub
```



HypExecuteCalcScriptEx

Describes the Oracle Smart View for Office VBA function, HypExecuteCalcScriptEx.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning

Description

HypExecuteCalcScriptEx() executes the selected business rule.

Syntax

HypExecuteCalcScriptEx(vtSheetName, vtCubeName, vtBRName, vtBRType, vtbBRHasPrompts, vtbBRNeedPageInfo, vtRTPNames(), vtRTPValues(), vtbShowRTPDlg, vtbRuleOnForm, vtbBRRanSuccessfully, vtCubeName, vtBRName, vtBRType, vtbBRHasPrompts, vtbBRNeedPageInfo, vtbBRHidePrompts, vtRTPNamesUsed, vtRTPValuesUsed)

ByVal vtSheetName As Variant

ByVal vtCubeName As Variant

ByVal vtBRName As Variant

ByVal vtBRType As Variant

ByVal vtbBRHasPrompts As Variant

ByVal vtbBRNeedPageInfo As Variant

ByRef vtRTPNames() As Variant

ByRef vtRTPValues() As Variant

ByVal vtbShowRTPDlg As Variant

ByVal vtbRuleOnForm As Variant

ByRef vtbBRRanSuccessfuly As Variant

ByRef vtCubeName As Variant

ByRef vtBRName As Variant

ByRef vtBRType As Variant

ByRef vtbBRHasPrompts As Variant

ByRef vtbBRNeedPageInfo As Variant

ByRef vtbBRHidePrompts As Variant

ByRef vtRTPNamesUsed As Variant

ByRef vtRTPValuesUsed As Variant



Parameters

vtSheetName: Input parameter; the name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtCubeName: Input parameter; the cube name (plan types in Oracle Hyperion Planning) associated with the business rule.

vtBRName: Input parameter; the name of the business rule to be run.

vtBRType: Input parameter; the type of business rule to be run. Valid values are "graphical", "ecs", "sequence", and "native".

vtbBRHasPrompts: Input parameter; the Boolean that indicates whether the business rule has RTPs.

vtbNeedPageInfo: Input parameter; the Boolean that indicates whether the business rule requires Page Information to be run (this information is either from HypListCalcScriptsEx or from a prior run of HypExecuteCalcScriptEx).

vtRTPNames: Input parameter; the array of RTP names associated with the business rule.

vtRTPValues: Input parameter; the array of RTP values corresponding to the RTP names.

vtbShowBRDIg: Input parameter; the Boolean that indicates whether to display the Business Rules dialog to let users select the business rule (True) or to execute the business rule automatically (False). If set to True, all input parameters related to the business rule are ignored. Recommendation: Set to True when running the business rule for the first time, and thereafter set to false to automate the execution of the same business rule.

vtbRuleOnForm: Input parameter; the Boolean that indicates whether the business rule is to be associated to the form open on active sheet.

vtbBRRanSuccessfully: Output parameter; the Boolean value that indicates whether the last business rule ran successfully.

vtCubeName: Output parameter; the cube name (plan types in Oracle Hyperion Planning) associated with the last run business rule

vtBRName: Output parameter; the name of the last run business rule.

vtBRType: Output parameter; the type of the last run business rule.

vtbBRHasPrompts: Output parameter; the Boolean that indicates whether the last run business rule has RTPs.

vtbBRNeedPageInfo: Output parameter; the Boolean that indicates whether the last run business rule requires Page information to be run.

vtbBRHidePrompts: Output parameter; the Boolean that indicates whether the last run business rule has hidden RTPs.

vtRTPNames: Output parameter; the array of RTP names used to run last run business rule.

vtRTPValues: Output parameter; the array of RTP values associated with RTP names used to run last run business rule.

Return Value

Returns 0 if successful; otherwise, the appropriate error code.



Example

Public Declare Function HypExecuteCalcScriptEx Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtCubeName As Variant, ByVal vtBRName As Variant, ByVal vtBRType As Variant, ByVal vtbBRHasPrompts As Variant, ByVal vtbBRNeedPageInfo As Variant, ByRef vtRTPNames() As Variant, ByRef vtRTPValues() As Variant, ByVal vtbShowRTPDlg As Variant, ByVal vtbRuleOnForm As Variant, ByRef vtBRRanSuccessfully As Variant, ByRef vtCubeName As Variant, ByRef vtBRName As Variant, ByRef vtBRType As Variant, ByRef vtbBRHasPrompts As Variant, ByRef vtbBRNeedPageInfo As Variant, ByRef vtbBRHidePrompts As Variant, ByRef vtRTPNamesUsed As Variant, ByRef vtRTPValuesUsed As Variant) As Long

```
Sub Example_HypExecuteCalcScriptEx()
Dim oRet As Long
Dim oSheetName As StringDim oSheet As Worksheet
Dim vtCubeNames As Variant
Dim vtBRNames As Variant
Dim vtBRTypes As Variant
Dim vtBRHasPrompts As Variant
Dim vtBRNeedsPageInfo As Variant
Dim vtBRHidePrompts As Variant
Dim sAllCalcs As String
Dim sCalcName As String
Dim bNeedPageInfo As Variant
Dim vtInRTPNames() As Variant
Dim vtInRTPValues() As Variant
Dim vtOutRTPNames As Variant
Dim vtOutRTPValues As Variant
Dim vtbBRRanSuccessfully As Variant
Dim vtbBRRanSuccessfully2 As Variant
Dim vtOutCubeName As Variant
Dim vtOutBRName As Variant
Dim vtOutBRType As Variant
Dim bBRHasPrompts As Variant
Dim bBRNeedPageInfo As Variant
Dim bBRHidePrompts As Variant
Dim bShowDlg As Variant
Dim bRuleOnForm As Variant
'Set oSheet = ActiveSheet
'oSheetName = oSheet.Name
oSheetName = "Sheet3"
oRet = HypListCalcScriptsEx (oSheetName, False, vtCubeNames, vtBRNames,
vtBRTypes, vtBRHasPrompts, vtBRNeedsPageInfo, vtBRHidePrompts)
If (oRet = 0) Then
    If IsArray(vtBRNames) Then
        lNumMbrs = (UBound(vtBRNames) - LBound(vtBRNames) + 1)
    End If
    sPrintMsg = "Number of Calc Scripts = " & lNumMbrs
    MsgBox (sPrintMsg)
```



```
'Start Executing the Calc Script
    bShowDlg = True
    bRuleOnForm = False
    iScript = 1
    oRet = HypExecuteCalcScriptEx (oSheetName, vtCubeNames(iScript),
vtBRNames(iScript), vtBRTypes(iScript), vtBRHasPrompts(iScript),
vtBRNeedsPageInfo(iScript), vtInRTPNames, vtInRTPValues, bShowDlg,
bRuleOnForm, vtbBRRanSuccessfully, vtOutCubeName, vtOutBRName,
vtOutBRType,bBRHasPrompts, bBRNeedPageInfo, bBRHidePrompts, vtOutRTPNames,
vtOutRTPValues)
    If (oRet = 0) Then
        MsgBox ("Last BR ran successfully - " & vtbBRRanSuccessfully)
        If (vtbBRRanSuccessfully = True) Then
            bShowDlg = False
            bRuleOnForm = False
            If IsArray(vtOutRTPNames) And IsArray(vtOutRTPValues) Then
                lNumRTPNames = (UBound(vtOutRTPNames) - LBound(vtOutRTPNames)
+ 1)
                lNumRTPVals = (UBound(vtOutRTPValues) -
LBound(vtOutRTPValues) + 1)
            End If
            If (lNumRTPNames > 0) Then
                ReDim vtInRTPNames(lNumRTPNames - 1) As Variant
                ReDim vtInRTPValues(lNumRTPNames - 1) As Variant
                For iRTPs = 0 To lNumRTPNames - 1
                    sBRName = vtOutRTPNames(iRTPs)
                    sBRVal = vtOutRTPValues(iRTPs)
                    vtInRTPNames(iRTPs) = sBRName
                    vtInRTPValues(iRTPs) = sBRVal
                Next iRTPs
            End If
            oRet = HypExecuteCalcScriptEx (oSheetName, vtOutCubeName,
vtOutBRName, vtOutBRType, bBRHasPrompts, bBRNeedPageInfo, vtInRTPNames,
vtInRTPValues, bShowDlg, bRuleOnForm, vtbBRRanSuccessfully2, vtOutCubeName,
vtOutBRName, vtOutBRType, bBRHasPrompts, bBRNeedPageInfo, bBRHidePrompts,
vtOutRTPNames, vtOutRTPValues)
            MsgBox ("Automated BR ran successfully - " &
vtbBRRanSuccessfullv2)
        End If
    Else
        sPrintMsg = "Error - " & oRet
        MsqBox (sPrintMsq)
    End If
Else
    sPrintMsq = "Error - " & oRet
    MsgBox (sPrintMsg)
End If
```



End Sub

Usage

You can use HypExecuteCalcScriptEx in four modes, depending on whether HypListCalcScriptSx is called before HypExecuteCalcScriptEx.

Not Calling HypListCalcScriptsEx Before HypExecuteCalcScriptEx

If you do *not* call HypListCalcScriptsEx before HypExecuteCalcScriptEx, then the first time you call HypListCalcScriptsEx you should set vtbShowBRDlg to True for the first usage and to False thereafter.

- Mode 1: When vtbShowBRDlg is True:
 - Input Arguments: vtSheetName, vtCubeName, vtbRuleOnForm are used.
 vtBRName, vtBRType, vtbBRHasPrompts, vtbNeedPageInfo, ppRTPNames, ppRTPValues are ignored.
 - Behavior: The Business Rules dialog box displays all possible rules depending upon the vtbRuleOnForm value. When the user, runs the selected business rule and exits the Business Rules dialog box, the details of that business rule are filled in the out arguments and returned to the caller.
 - Output arguments: All out arguments are filled and returned to the caller so that they
 can be used in subsequent calls.
- Mode 2: When vtbShowBRDlg argument is **False**:
 - Input arguments: All input arguments are used.
 - Behavior: The Business Rules dialog box is not displayed. The business rule is run automatically, and the appropriate status is returned to the caller.
 - Output arguments: All output arguments are left unmodified, because nothing needs to be passed on to the caller, who already has all the information to run this particular business rule.

Calling HypListCalcScriptsEx Before HypExecuteCalcScriptEx

If you *do* call HypListCalcScriptsEx before HypExecuteCalcScriptEx, then when HypListCalcScriptsEx is called, users get information about all business rules and runtime prompts, if any.

If a user runs a business rule that has no RTP, HypExecuteCalcScriptEx can be called with vtbShowBRDlg argument as False and provides all other information as the input arguments.

If a user runs a business rule that has an RTP, HypExecuteCalcScriptEx must be called with vtbShowBRDlg as True so that the business rule and its RTPs can be displayed and the user can select the RTP values to run the business rule. (In Oracle Hyperion Planning and Oracle Fusion Cloud Enterprise Performance Management, the RTP flag may be True for a business rule when there are no RTPs to be displayed.)

- Mode 3: If the cube name, business rule name and business rule type are passed as empty in HypExecuteCalcScriptEx, the Business Rules dialog box is displayed and all business rules are shown, depending upon vtbRuleOnForm argument. All else is the same as mode 1.
- Mode 4: If the cube name, business rule name and business rule type are passed with filled values in HypExecuteCalcScriptEx, the Business Rules dialog box is displayed and only the passed business rule (business rule name for the provided cube name) is displayed along with its RTPs. All else is the same as mode 1.



HypExecuteCalcScriptEx2

Describes the Oracle Smart View for Office VBA function, HypExecuteCalcScriptEx2.

Cloud data provider types: Oracle Essbase Cloud

On-premises data provider types: Oracle Essbase On-Premises

Description

HypExecuteCalcScriptEx2() uses a calculation script (business rule script) to initiate a calculation on the server. It picks up the selected POV on the active sheet, which is needed as input for running the script.



Note

This VBA should only be used for calc scripts that require runtime POV input. For a script that does not require runtime POV input, use HypExecuteCalcScript instead.

Syntax

HypExecuteCalcScriptEx2 (vtSheetName, vtCalcScript)

ByVal vtSheetName As Variant

ByVal vtCalcScript As Variant

Parameters

vtSheetName: The name of the worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtCalcScript: The name of the calculation script on the server in the database directory to run. This script requires runtime POV variables as input, which can be picked up from the active grid.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypExecuteCalcScriptEx2 Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtCalcScriptName As Variant) As Long
Sub RunCalcScriptWith_POV_RTSV()
sts = HypExecuteCalcScriptEx2(Empty, "POV_CalcScr")
End Sub
```

HypGetCalcScript

Describes the Oracle Smart View for Office VBA function, HypGetCalcScript.

Data provider types: Oracle Essbase on-premises



HypGetCalcScript() gets the calculation script string for a given calculation script.

Use with HypExecuteCalcScriptString.

This function requires Oracle Hyperion Provider Services 11.1.2.4.017 or higher.

Syntax

HypGetCalcScript (vtSheetName, vtCalcScriptName, vtType, vtCalcScriptOutput)

ByVal vtSheetName As Variant

ByVal vtCalcScriptName As Variant

ByVal vtType As Variant

ByRef vtCalcScriptOutput As Variant

Parameters

vtSheetName: Input parameter; the name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used, and the data source of the given sheet name will be used for connection.

vtCalcScriptName: Input parameter; the name of the calculation script for which the output is needed.

vtType: Input parameter; the type of calculation script file. Valid values are 1 or 2. Type 1 represents a csc file; type 2 represents a rep file. If input is incorrect, then treated as type 1.

vtCalcScriptOutput: Output parameter; the string which returns the calculation script string.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Sub calcScrVBATest()
Sts = HypGetCalcScript("Sheet1", "rule1", 1, Script)
Param = "_mySales=222;"
Sts = HypExecuteCalcScriptString("Sheet1", Script, Param)
End Sub
```

HypExecuteCalcScriptString

Describes the Oracle Smart View for Office VBA function, HypExecuteCalcScriptString.

Data provider types: Oracle Essbase on-premises

Description

HypExecuteCalcScriptString () executes a calculation script along with substitution variables.



HypExecuteCalcScriptString () executes a calculation script, including any substitution variables.

Use with HypGetCalcScript.

This function requires Oracle Hyperion Provider Services 11.1.2.4.017 or higher.

Syntax

HypExecuteCalcScriptString (vtSheetName, vtCalcScript, vtSubstitutionVarList)

ByVal vtSheetName As Variant

ByVal vtCalcScript As Variant

ByVal vtSubstitutionVarList As Variant

Parameters

vtSheetName: Input parameter; the name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used, and the data source of the given sheet name will be used for connection.

vtCalcScript: Input parameter; the calculation script string being executed.

vtSubstitutionVarList: Input parameter; the list of substitution variables to be used during execution.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Sub calcScrVBATest2()
Script = "SET RUNTIMESUBVARS{salesNum
=400;_mySales=300;myRTVar=@CHILDREN(~100~);myCOGS=30;};FIX
(@INTERSECT(@CHILDREN(~100~), ~100-10~)) Sales = &_mySales;COGS=555;ENDFIX;"
Script = Replace(Script, Chr(126), Chr(34)) 'replace ~ with "
Param = "_mySales=222;"
HypExecuteCalcScriptString("Sheet1", Script, Param)
End Sub"
```

HypDeleteCalc

Describes the Oracle Smart View for Office VBA function, HypDeleteCalc.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase



HypDeleteCalc() deletes a calculation script from an Essbase server.

Syntax

HypDeleteCalc (vtSheetName, vtApplicationName, vtDatabaseName, vtCalcScript)

ByVal vtSheetName As Variant

ByVal vtApplicationName As Variant

ByVal vtDatabaseName As Variant

ByVal vtCalcScript As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtApplicationName: The name of the application name that contains the calculation script

vtDatabaseName: The name of the database that contains the calculation script

vtCalcScript: The name of the calculation script to be deleted

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Declare Function HypDeleteCalc Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtApplicationName As Variant, ByVal vtDatabaseName As Variant, ByVal vtCalcScript As Variant) As Long

```
Sub Example_HypDeleteCalc
Dim X as Long
   X = HypDeleteCalc (Empty, "Sample", "Basic", "CalcYear")
End Sub
```

Calculation, Consolidation, and Translation Functions

Describes the Oracle Smart View for Office calculation, consolidation, and translation VBA functions.

Related Topics

- About Calculation, Consolidation, and Translation Functions
 Describes the Oracle Smart View for Office calculation, consolidation, and translation VBA functions.
- HypCalculate
 Describes the Oracle Smart View for Office VBA function, HypCalculate.
- HypCalculateContribution
 Describes the Oracle Smart View for Office VBA function, HypCalculateContribution.
- HypConsolidate
 Describes the Oracle Smart View for Office VBA function, HypConsolidate.
- HypConsolidateAll
 Describes the Oracle Smart View for Office VBA function, HypConsolidateAll.
- HypConsolidateAllWithData
 Describes the Oracle Smart View for Office VBA function, HypConsolidateAllWithData.
- HypForceCalculate
 Describes the Oracle Smart View for Office VBA function, HypForceCalculate.
- HypForceCalculateContribution
 Describes the Oracle Smart View for Office VBA function, HypForceCalculateContribution.
- <u>HypForceTranslate</u>
 Describes the Oracle Smart View for Office VBA function, HypForceTranslate.
- HypTranslate
 Describes the Oracle Smart View for Office VBA function, HypTranslate.

About Calculation, Consolidation, and Translation Functions

Describes the Oracle Smart View for Office calculation, consolidation, and translation VBA functions.

These functions execute calculation, consolidation, and translation operations on data for Oracle Hyperion Financial Management applications.

HypCalculate

Describes the Oracle Smart View for Office VBA function, HypCalculate.

Data provider types: Oracle Hyperion Financial Management



HypCalculate() calls the Calculate method.

Syntax

HypCalculate (vtSheetName, vtRange)

ByVal vtSheetName As Variant

By Val vtRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtRange: The range that contains the data to be used. If Empty or Null, then the selected range in the worksheet is used.

Return Value

Returns 0 if successful; otherwise, returns the corresponding error code.

Example

```
Declare Function HypCalculate Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal vtRange As Variant) As Long
Sub Example_HypCalculate()
sts = HypCalculate (Empty, Empty)
End Sub
```

HypCalculateContribution

Describes the Oracle Smart View for Office VBA function, HypCalculateContribution.

Data provider types: Oracle Hyperion Financial Management (ad hoc only)

Description

HypCalculateContribution() calls the Calculate Contribution.

Syntax

HypCalculateContribution (vtSheetName, vtRange)

ByVal vtSheetName As Variant

By Val vtRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtRange: The range that contains the data to be used. If Empty or Null, then the selected range in the worksheet is used.



Return Value

Returns 0 if successful; otherwise, returns the corresponding error code.

Example

```
Declare Function HypCalculateContribution Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtRange As Variant) As Long
Sub Example_HypCalculateContribution()
sts = HypCalculateContribution (Empty, Empty)
End Sub
```

HypConsolidate

Describes the Oracle Smart View for Office VBA function, HypConsolidate.

Data provider types: Oracle Hyperion Financial Management (ad hoc only)

Description

HypConsolidate calls the Consolidate method.

Syntax

HypConsolidate (vtSheetName, vtRange)

ByVal vtSheetName As Variant

By Val vtRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtRange: The range object that refers to the data to be used. If Empty or Null, the selected range in the worksheet is used.

Return Value

Returns 0 if successful; otherwise, returns the corresponding error code.

Example

```
Declare Function HypConsolidate Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal vtRange As Variant) As Long
Sub Example_HypConsolidate()
sts = HypConsolidate (Empty, Empty)
End Sub
```

HypConsolidateAll

Describes the Oracle Smart View for Office VBA function, HypConsolidateAll.

Data provider types: Oracle Hyperion Financial Management (ad hoc only)



HypConsolidateAll() calls the Consolidate All method.

Syntax

HypConsolidateAll (vtSheetName, vtRange)

ByVal vtSheetName As Variant

By Val vtRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtRange: The range that contains the data to be used. If Empty or Null, the selected range in the worksheet is used.

Return Value

Returns 0 if successful; otherwise, returns the corresponding error code.

Example

```
Declare Function HypConsolidateAll Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtRange As Variant) As Long
Sub Example_HypConsolidateAll
sts = HypConsolidateAll(Empty, Empty)
End Sub
```

HypConsolidateAllWithData

Describes the Oracle Smart View for Office VBA function, HypConsolidateAllWithData.

Data provider types: Oracle Hyperion Financial Management (ad hoc only)

Description

HypConsolidateAllWithData calls the Consolidate All With Data method.

Syntax

HypConsolidateAllWithData (vtSheetName, vtRange)

ByVal vtSheetName As Variant

By Val vtRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtRange: The range that contains the data to be used. If ${\tt Empty}$ or ${\tt Null}$, the selected range in the worksheet is used.



Return Value

Returns 0 if successful; otherwise, returns the corresponding error code.

Example

```
Declare Function HypConsolidateAllWithData Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtRange As Variant) As Long
Sub Example_HypConsolidateAllWithData()
sts = HypConsolidateAllWithData (Empty, Empty)
End Sub
```

HypForceCalculate

Describes the Oracle Smart View for Office VBA function, HypForceCalculate.

Data provider types: Oracle Hyperion Financial Management

Description

HypForceCalculate() calls the Force Calculate method.

Syntax

HypForceCalculate(vtSheetName, vtRange)

ByVal vtSheetName As Variant

By Val vtRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtRange: The range that contains the data to be used. If Empty or Null, the selected range in the worksheet is used.

Return Value

Returns 0 if successful; otherwise, returns the corresponding error code.

Example

```
Declare Function HypForceCalculate Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtRange As Variant) As Long
Sub Example_HypForceCalculate()
sts = HypForceCalculate (Empty, Empty)
End Sub
```

HypForceCalculateContribution

Describes the Oracle Smart View for Office VBA function, HypForceCalculateContribution.

Data provider types: Oracle Hyperion Financial Management (ad hoc only)



HypForceCalculateContribution calls the Force Calculate Contribution method.

Syntax

HypForceCalculateContribution (vtSheetName, vtRange)

ByVal vtSheetName As Variant

By Val vtRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtRange: The range that contains the data to be used. If Empty or Null, the selected range in the worksheet is used.

Return Value

Returns 0 if successful; otherwise, returns the corresponding error code.

Example

```
Declare Function HypForceCalculateContribution Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtRange As Variant) As Long
Sub Example_HypForceCalculateContribution()
sts = HypForceCalculateContribution (Empty, Empty)
End Sub
```

HypForceTranslate

Describes the Oracle Smart View for Office VBA function, HypForceTranslate.

Data provider types: Oracle Hyperion Financial Management (ad hoc only)

Description

HypForceTranslate calls the Force Translate method.

Syntax

HypForceTranslate (vtSheetName, vtRange)

ByVal vtSheetName As Variant

By Val vtRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtRange: The range that contains the data to be used. If ${\tt Empty}$ or ${\tt Null}$, the selected range in the worksheet is used.



Return Value

Returns 0 if successful; otherwise, returns the corresponding error code.

Example

```
Declare Function HypForceTranslate Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtRange As Variant) As Long
Sub Example_HypForceTranslate()
sts = HypForceTranslate (Empty, Empty)
End Sub
```

HypTranslate

Describes the Oracle Smart View for Office VBA function, HypTranslate.

Data provider types: Oracle Hyperion Financial Management (ad hoc only)

Description

HypTranslate() calls the Translate method.

Syntax

HypTranslate (vtSheetName, vtRange)

ByVal vtSheetName As Variant

By Val vtRange As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtRange: The range that contains the data to be used. If Empty or Null, the selected range in the worksheet is used.

Return Value

Returns 0 if successful; otherwise, returns the corresponding error code.

Example

```
Declare Function HypTranslate Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtRange As Variant) As Long
Sub Example_HypTranslate()
sts = HypTranslate (Empty, Empty)
End Sub
```

Member Query Functions

Describes the Oracle Smart View for Office member query VBA functions.

Related Topics

About Member Query Functions

Describes the Oracle Smart View for Office member query VBA functions.

HypFindMember

Describes the Oracle Smart View for Office VBA function, HypFindMember.

HypFindMemberEx

Describes the Oracle Smart View for Office VBA function, HypFindMemberEx.

HypGetAncestor

Describes the Oracle Smart View for Office VBA function, HypGetAncestor.

HypGetChildren

Describes the Oracle Smart View for Office VBA function, HypGetChildren.

HypGetParent

Describes the Oracle Smart View for Office VBA function, HypGetParent.

HypIsAttribute

Describes the Oracle Smart View for Office VBA function, HypIsAttribute.

HypIsDescendant

Describes the Oracle Smart View for Office VBA function, HypIsDescendant.

HypIsAncestor

Describes the Oracle Smart View for Office VBA function, HypIsAncestor.

HypisExpense

Describes the Oracle Smart View for Office VBA function, HypIsExpense.

HypIsParent

Describes the Oracle Smart View for Office VBA function, HypIsParent.

HypIsChild

Describes the Oracle Smart View for Office VBA function, HypIsChild.

HypIsUDA

Describes the Oracle Smart View for Office VBA function, HypIsUDA.

HypOtlGetMemberInfo

Describes the Oracle Smart View for Office VBA function, HypOtlGetMemberInfo.

HypQueryMembers

Describes the Oracle Smart View for Office VBA function, HypQueryMembers.

HypGetMemberInformation

Describes the Oracle Smart View for Office VBA function, HypGetMemberInformation.

HypGetMemberInformationEx

Describes the Oracle Smart View for Office VBA function, HypGetMemberInformationEx.



About Member Query Functions

Describes the Oracle Smart View for Office member query VBA functions.

Member query functions retrieve generation, level, attribute, and other information about members.

HypFindMember

Describes the Oracle Smart View for Office VBA function, HypFindMember.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypFindMember() retrieves dimension, alias, generation and level information for the specified member.

Syntax

HypFindMember (vtSheetName, vtMemberName, vtAliasTable, vtDimensionName, vtAliasName, vtGenerationName, vtLevelName)

ByVal vtSheetName As Variant

ByVal vtMemberName As Variant

ByVal vtAliasTable As Variant

ByRef vtDimensionName As Variant

ByRef vtAliasName As Variant

ByRef vtGenerationName As Variant

ByRef vtLevelName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtMemberName: Input parameter; the member for which to retrieve information. Required; there is no default value.

vtAliasTable: Input parameter; the name of the alias table to search for the alias name. If Null, the default alias table is used.

vtDimensionName: Output parameter; the dimension of the member

vtAliasName: Output parameter; the alias name of the member

vtGenerationName: Output parameter; the generation of the member

vtLevelName: Output parameter; the level of the member



Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypFindMember Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtMemberName As Variant, ByVal vtAliasTable As Variant, ByRef vtDimensionName As Variant, ByRef vtAliasName As Variant, ByRef vtGenerationName As Variant, ByRef vtLevelName As Variant) As Long

Sub Example_HypFindMember()
   X = HypFindMember(Empty, "100", "Default", dimName, aliasName, genName, levelName)
   MsgBox (dimName)
   MsgBox (aliasName)
   MsgBox (genName)
   MsgBox (levelName)

Find Sub
```

HypFindMemberEx

Describes the Oracle Smart View for Office VBA function, HypFindMemberEx.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypFindMemberEx() retrieves dimension, alias, generation and level information for the specified member.

Syntax

HypFindMember (vtSheetName, vtMemberName, vtAliasTable, vtDimensionName, vtAliasName, vtGenerationName, vtLevelName)

ByVal vtSheetName As Variant

ByVal vtMemberName As Variant

ByVal vtAliasTable As Variant

ByRef vtDimensionName As Variant

ByRef vtAliasName As Variant

ByRef vtGenerationName As Variant

ByRef vtLevelName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.



vtMemberName: The member for which to retrieve information. Required; there is no default value.

vtAliasTable: The name of the alias table to search for the alias name. If Null, the default alias table is searched.

vtDimensionName: Output parameter; the dimension of the member

vtAliasName: Output parameter; the alias name of the member

vtGenerationName: Output parameter; the generation of the member

vtLevelName: Output parameter; the level of the member

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypFindMemberEx Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtMemberName As Variant, ByVal vtAliasTable As Variant, ByRef vtDimensionName As Variant, ByRef vtAliasName As Variant, ByRef vtGenerationName As Variant, ByRef vtLevelName As Variant) As Long

Sub Example_HypFindMemberEx()

X = HypFindMemberEx(Empty, "100", "Default", dimName, aliasName, genName, levelName)

MsgBox (dimName)

MsgBox (aliasName)

MsgBox (genName)

MsgBox (levelName)

End Sub
```

HypGetAncestor

Describes the Oracle Smart View for Office VBA function, HypGetAncestor.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypGetAncestor() returns the ancestor at any specific generation or level for the specified member.

Syntax

HypGetAncestor (vtSheetName, vtMemberName, vtLayerType, intLayerNum, vtAncestor)

ByVal vtSheetName As Variant

ByVal vtMemberName As Variant

ByVal vtLayerType As Variant

ByVal intLayerNum As Integer

ByRef vtAncestor As Variant



Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtMemberName: The member for which to retrieve information. Required; there is no default value.

vtLayerType: Input parameter: Gen or Level. If set to Null or Empty, Gen is the default.

intLayerNum: Input parameter: the level or generation number. Required.

vtAncestor: Output parameter; the name of the ancestor

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypGetAncestor Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal vtMemberName As Variant, ByVal vtLayerType As Variant, ByVal
intLayerNumber As Integer, ByRef vtAncestor As Variant) As Long
Sub Example_HypGetAncestor
   Dim X as Long
   Dim vtAncestor As Variant
   X = HypGetAncestor (Empty, "100-20", "Level", 1, vtAncestor)
End Sub
```

HypGetChildren

Describes the Oracle Smart View for Office VBA function, HypGetChildren.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypGetChildren() returns the children for the specified member.

Syntax

HypGetChildren (vtSheetName, vtMemberName, intChildCount, vtChildArray)

ByVal vtSheetName As Variant

ByVal vtMemberName As Variant

ByVal intChildCount As Integer

ByRef vtChildArray As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.



vtMemberName: Input parameter; the member name. Required.

intChildCount: Input parameter; a restriction on the number of children returned.

- ChildCount <= 0. All children are returned.
- ChildCount >0. The result set is limited to the number specified as the argument. If the result set is less than the specified argument, all results are returned.

vtChildArray: Output result vector that contains the list of the children. Its contents are unknown if the macro fails.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypGetChildren Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal vtMemberName As Variant, ByVal intChildCount As Integer, ByRef
vtChildArray As Variant) As Long

Sub Example_HypGetChildren
   Dim vtChildren As Variant
   Dim vtChild As Variant
   Dim X as Long
        X = HypGetChildren (Empty, "Market", 0, vtChildren)
        If IsArray (vtChildren) Then
            For i = LBound (vtChildren) To UBound (vtChildren)
            VtChild = vtChildren (i)
            Next
        End If
End Sub
```

HypGetParent

Describes the Oracle Smart View for Office VBA function, HypGetParent.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypGetParent() returns the name of the parent of the specified member.

Syntax

HypGetParent(vtSheetName, vtMemberName, vtParentName)

ByVal vtSheetName As Variant

ByVal vtMemberName As Variant

ByRef vtParentName As Variant



Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtMemberName: Input parameter; the member name. Required.

vtParentName: Output parameter; the parent name

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypGetParent Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal vtMemberName As Variant, ByRef vtParentName As Variant) As Long

Sub Example_HypGetParent
   Dim vtParent As Variant
   X = HypGetParent (Empty, "East", vtParent)
End sub
```

HypIsAttribute

Describes the Oracle Smart View for Office VBA function, HypIsAttribute.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypIsAttribute() checks to see if the specified member has a specific attribute.

Syntax

HypIsAttribute(vtSheetName, vtDimensionName, vtMemberName, vtUDAString)

ByVal vtSheetName As Variant

ByVal vtDimensionName As Variant

ByVal vtMemberName As Variant

ByVal vtUDAString As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtDimensionName: The name of the dimension to which the member belongs

vtMemberName: The member for which to retrieve information. Required; there is no default value.

vtUDAString: Input string that is compared against the attributes of the member.



Return Value

Returns a variant in which -1 is true, 0 is false; otherwise, returns the appropriate error code.

Example

```
Declare Function HypIsAttribute Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal vtDimensionName As Variant, ByVal vtMemberName As Variant, ByVal
vtUDAString As Variant) As Variant

Sub Example_HypIsAttribute()
vtret = HypIsAttribute(Empty, "Market", "Connecticut", "MyAttribute")
    If vtret = -1 Then
        MsgBox ("Found MyAttribute")
    ElseIf vtret = 0 Then
        MsgBox ("MyAttribute not available for Connecticut")
    Else
        MsgBox ("Error value returned is" & vtret)
    End If
End Sub
```

HypIsDescendant

Describes the Oracle Smart View for Office VBA function, HypIsDescendant.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypIsDescendant() checks if the specified member is the descendant of another specified member.

Syntax

HypIsDescendant(vtSheetName, vtMemberName, vtAncestorName)

ByVal vtSheetName As Variant

ByVal vtMemberName As Variant

ByVal vtAncestorName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtMemberName: The member for which to retrieve information. Required; there is no default value.

vtAncestorName: The name of the ancestor. Required.

Return Value

Returns a variant in which -1 is true, 0 is false; otherwise, returns the appropriate error code.



Example

```
Declare Function HypIsDescendant Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal vtMemberName As Variant, ByVal vtDescendantName As Variant) As Boolean
Sub Example_HypIsDescendant
   Dim b as Boolean
   b = HypIsDescendant (Empty, "Year", "Jan")
End sub
```

HypIsAncestor

Describes the Oracle Smart View for Office VBA function, HypIsAncestor.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypIsAncestor() checks whether the specified member is the ancestor of another specified member.

Syntax

HypIsAncestor(vtSheetName, vtMemberName, vtAncestorName)

ByVal vtSheetName As Variant

ByVal vtMemberName As Variant

ByVal vtAncestorName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtMemberName: The member for which to retrieve information. Required; there is no default value.

vtAncestorName: The name of the ancestor. Required.

Return Value

Returns a variant in which -1 is true, 0 is false; otherwise, returns the appropriate error code.

Example

```
Declare Function HypIsAncestor Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal vtMemberName As Variant, ByVal vtAncestorName As Variant) As Variant
Sub Example_HypIsAncestor
   Dim b As Variant
   b = HypIsAncestor (Empty, "Year", "Jan")
End sub
```



HypIsExpense

Describes the Oracle Smart View for Office VBA function, HypIsExpense.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypIsExpense() verifies that the member specified has an Expense tag.

Syntax

HypIsExpense(vtSheetName, vtDimensionName, vtMemberName)

ByVal vtSheetName As Variant

ByVal vtDimensionName As Variant

ByVal vtMemberName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtDimensionName: The dimension of the member. If set to Null or Empty, the active dimension is used.

vtMemberName: The member for which to retrieve information. Required; there is no default value.

Return Value

Returns a variant in which -1 is true, 0 is false; otherwise, returns the appropriate error code.

Example

```
Declare Function HypIsExpense Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal vtDimensionName As Variant, ByVal vtMemberName As Variant) As Variant

Sub CheckExpense()
vtret = HypIsExpense(Empty, "Measures", "Opening Inventory")
   If vtret = -1 Then
        MsgBox ("Opening Inventory has expense flag set")
   ElseIf vtret = 0 Then
        MsgBox ("Expense flag has not been set")
   Else
        MsgBox ("Error value returned is" & vtret)
   End If
```

End Sub



HypIsParent

Describes the Oracle Smart View for Office VBA function, HypIsParent.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypIsParent() checks whether the specified member is the parent of another specified member.

Syntax

HypIsParent(vtSheetName, vtMemberName, vtParentName)

ByVal vtSheetName As Variant

ByVal vtMemberName As Variant

ByVal vtParentName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtMemberName: The member for which to retrieve information. Required; there is no default value.

vtParentName: The name of the parent. Required.

Return Value

Returns a variant in which -1 is true, 0 is false; otherwise, returns the appropriate error code.

Example

```
Declare Function HypIsParent Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal vtMemberName As Variant, ByVal ParentName As Variant) As Boolean
Sub Example_HypIsParent
   Dim b as Boolean
   b = HypIsParent (Empty, "East", "Market")
End Sub
```

HypIsChild

Describes the Oracle Smart View for Office VBA function, HypIsChild.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase



HyplsChild() determines whether a member is the child of a specified parent member. HyplsChild checks only for children, not for all descendants.

Syntax

HypIsChild(vtSheetName, vtParentName, vtChildName)

ByVal vtSheetName As Variant

ByVal vtParentName As Variant

ByVal vtChildName As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtParentName: The name of the parent. Required

vtChildName: The name of the child. Required

Return Value

Returns a variant in which -1 is true, 0 is false; otherwise, returns the appropriate error code.

Example

```
Declare Function HypIsChild Lib "HsAddin" (ByVal vtSheetName As Variant,
ByVal vtParentName As Variant, ByVal vtChildName As Variant) As Variant
Sub Example_HypIsChild
   Dim b as Boolean
   b = HypIsChild ("Sheetl", "Year", "Qtrl")
End Sub
```

HypIsUDA

Describes the Oracle Smart View for Office VBA function, HypIsUDA.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypIsUDA() determines whether a member has a specific UDA.

Syntax

HypIsUDA (vtSheetName, vtDimensionName, vtMemberName, vtUDAString)

ByVal vtSheetName As Variant

ByVal vtDimensionName As Variant

ByVal vtMemberName As Variant



ByVal vtUDAString As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtDimensionName: The dimension of the member

vtMemberName: The member for which to retrieve information. Required; there is no default value.

vtUDAString: Input string that is compared against the attributes of the member.

Return Value

Returns a variant in which -1 is true, 0 is false; otherwise, returns the appropriate error code.

Example

```
Declare Function HypIsUDA Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtDimensionName As Variant, ByVal vtMemberName As Variant, ByVal vtUDAString As Variant) As Variant
```

```
Sub Example_HypIsUDA()
vtret = HypIsUDA(Empty, "Market", "Connecticut", "MyUDA")
    If vtret = -1 Then
        MsgBox ("Found MyUDA")
    ElseIf vtret = 0 Then
        MsgBox ("Did not find MyUDA")
    Else
        MsgBox ("Error value returned is" & vtret)
        End If
End Sub
```

HypOtlGetMemberInfo

Describes the Oracle Smart View for Office VBA function, HypOtlGetMemberInfo.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypOtlGetMemberInfo() returns the comments, formulas, UDAs, and attributes associated with the selected member selection.

Syntax

HypOtlGetMemberInfo (vtSheetName, vtDimensionName, vtMemberName, vtPredicate, vtMemberArray)

ByVal vtSheetName As Variant

ByVal vtDimensionName As Variant

ByVal vtMemberName As Variant



ByVal vtPredicate As Variant

ByRef vtMemberArray As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtDimensionName: The dimension of the member. If set to Null, the predicate in the whole outline is searched.

vtMemberName: The member for which to retrieve information. Required; there is no default value.

vtPredicate: Member selection criteria:

- 1 = HYP_COMMENT
- 2 = HYP FORMULA
- 3 = HYP_UDA
- 4 = HYP_ATTRIBUTE

vtMemberArray: Output parameter; the result of the query.

Return Value

Returns 0 if successful; otherwise returns the appropriate error code.

Example

```
Declare Function HypOtlGetMemberInfo Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtDimensionName As Variant, ByVal vtMemberName As Variant,
ByVal vtPredicate As Variant, ByRef vtMemberArray As Variant) As Long
Sub Example_HypOtlGetMemberInfo()
    vtRet = HypOtlGetMemberInfo(Empty, "Year", "Jan", HYP_COMMENT, vt)
If IsArray(vt) Then cbItems = UBound(vt) + 1
    MsgBox ("Number of elements = " + Str(cbItems))
For i = 0 To UBound(vt)
    MsgBox ("Member = " + vt(i))
Next
MsgBox ("Return Value = " + vtRet)
End Sub
```

HypQueryMembers

Describes the Oracle Smart View for Office VBA function, HypQueryMembers.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypQueryMembers() executes the member selection query.



Syntax

HypQueryMembers (vtSheetName, vtMemberName, vtPredicate, vtOption, vtDimensionName, vtInput1, vtInput2, vtMemberArray)

ByVal vtSheetName As Variant

ByVal vtMemberName As Variant

ByVal vtPredicate As Variant

ByVal vtOption As Variant

ByVal vtDimensionName As Variant

ByVal vtInput1 As Variant

ByVal vtInput2 As Variant

ByRef vtMemberArray As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtMemberName: The member for which to retrieve information. Required; there is no default value.

vtPredicate: Member selection criteria (integer):

- 1 = HYP_CHILDREN
- 2 = HYP_DESCENDANTS
- 3 = HYP BOTTOMLEVEL
- 4 = HYP_SIBLINGS
- 5 = HYP_SAMELEVEL
- 6 = HYP_SAMEGENERATION
- 7 = HYP_PARENT
- 8 = HYP_DIMENSION
- 9 = HYP_NAMEDGENERATION
- 10 HYP_NAMEDLEVEL
- 11 HYP_SEARCH
- 12 HYP_WILDSEARCH
- 13 HYP_USERATTRIBUTE
- 14 HYP_ANCESTORS
- 15 HYP_DTSMEMBER
- 16 HYP_DIMUSERATTRIBUTES

vtOption: (integer) Options are dependent on the predicate. For the predicate values, HYP_SEARCH and HYP_WILDSEARCH, specify query options:

HYP_MEMBERSONLY



- HYP ALIASESONLY
- HYP MEMBERSANDALIASES

vtDimensionName: (string) Dimension to limit the scope of the query. It is used with the following query options and ignored otherwise: HYP_NAMEDGENERATION, HYP_NAMEDLEVEL, HYP_USERATTRIBUTE, HYP_SEARCH (set to Null to search through all dimensions), HYP_WILDSEARCH (set to Null to search through all dimensions).

vtInput1: (string) Input string that is determined by the option. It is used with the following query options and ignored otherwise:

- HYP_NAMEDGENERATION (The name of the generation)
- HYP NAMEDLEVEL (The name of the level)
- HYP SEARCH (The string to search for. The string is defined as an exact)
- HYP_WILDSEARCH (The string to search for. The string is defined as an exact search string with an optional '*' at the end to mean any set of characters)
- HYP USERATTRIBUTE (The user-defined attribute)

vtInput2: (string) Input string that is determined by the option. It is used with the following query options and ignored otherwise:

- HYP_USERATTRIBUTE (The user-defined attribute)
- HYP_SEARCH, HYP_WILDSEARCH (If the options are set to search in the alias tables, this string specifies which alias table to search. If the string is Null, all alias tables will be searched).

vtMemberArray: Output that contains the result of the query. If unsuccessful, its contents are unknown.

Return Value

Returns a zero if successful; otherwise, returns the appropriate error code.

Example

Declare Function HypQueryMembers Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtMemberName As Variant, ByVal vtPredicate As Variant, ByVal vtOption As Variant, ByVal vtDimensionName As Variant, ByVal vtInput1 As Variant, ByVal vtInput2 As Variant, ByRef vtMemberArray As Variant) As Long

```
Sub Example_HypQueryMembers()
' sts = HypQueryMembers(Empty, "Profit", HYP_CHILDREN, Empty, Empty, Empty,
Empty, vArray)
' sts = HypQueryMembers(Empty, "Profit", HYP_DESCENDANTS, Empty, Empty,
Empty, Empty, vArray)
sts = HypQueryMembers(Empty, "Profit", HYP_BOTTOMLEVEL, Empty, Empty,
Empty, Empty, vArray)
' sts = HypQueryMembers(Empty, "Sales", HYP_SIBLINGS, Empty, Empty, Empty,
Empty, vArray)
' sts = HypQueryMembers(Empty, "Sales", HYP_SAMELEVEL, Empty, Empty, Empty,
Empty, vArray)
' sts = HypQueryMembers(Empty, "Sales", HYP_SAMEGENERATION, Empty, Empty,
Empty, Empty, vArray)
' sts = HypQueryMembers(Empty, "Sales", HYP_PARENT, Empty, Empty, Empty,
Empty, vArray)
' sts = HypQueryMembers(Empty, "Sales", HYP_DIMENSION, Empty, Empty, Empty,
```



```
Empty, vArray)
' sts = HypQueryMembers(Empty, "Year", HYP_NAMEDGENERATION, Empty, "Year",
"Quarter", Empty, vArray)
' sts = HypQueryMembers(Empty, "Product", HYP_NAMEDLEVEL, Empty, "Product",
"SKU", Empty, vArray)
' sts = HypQueryMembers(Empty, "Product", HYP_SEARCH, HYP_ALIASESONLY,
"Product", "Cola", Empty, vArray)
' sts = HypQueryMembers(Empty, "Year", HYP_WILDSEARCH, HYP_MEMBERSONLY,
"Year", "J*", Empty, vArray)
' sts = HypQueryMembers(Empty, "Market", HYP_USERATTRIBUTE, Empty, "Market",
"Major Market", Empty, vArray)
' sts = HypQueryMembers(Empty, "Sales", HYP_ANCESTORS, Empty, Empty, Empty,
Empty, vArray)
' sts = HypQueryMembers(Empty, "Jan", HYP_DTSMEMBER, Empty, Empty, Empty,
Empty, vArray)
' sts = HypQueryMembers(Empty, "Product", HYP_DIMUSERATTRIBUTES, Empty,
Empty, Empty, Empty, vArray)
If IsArray(vArray) Then
  cbItems = UBound(vArray) + 1
     MsgBox ("Number of elements = " + Str(cbItems))
  For i = 0 To UBound(vArray)
     MsqBox ("Member = " + vArray(i))
  Next
Else
  MsgBox ("Return Value = " + Str(vArray))
End If
End Sub
```

HypGetMemberInformation

Describes the Oracle Smart View for Office VBA function, HypGetMemberInformation.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypGetMemberInformation returns the properties of a selected member.

Syntax

HypGetMemberInformation (vtSheetName, vtMemberName, vtPropertyName, vtPropertyValue, vtPropertyValueStrings)

ByVal vtMemberName As Variant

ByVal vtPropertyName As Variant

ByVal vtPropertyValue As Variant

ByRef vtPropertyValueStrings As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.



vtMemberName: The member for which to retrieve information. Required; there is no default value.

vtPropertyName: Input parameter; the name of the property for which information is required. See <u>Constants for Member Information</u>.

vtPropertyValue: Output parameter; the property array for the member, returned as numerical value from the server.

vtPropertyValueStrings: Output parameter; the property array for the member, returned as string equivalent of numerical value for properties for which numerical values do not make sense.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypGetMemberInformation Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtMemberName As Variant, ByVal vtPropertyName As Variant, ByRef vtPropertyValueStrings As Variant) As Long
Sub Example_HypGetMemberInformation
sts = HypGetMemberInformation("Sheet1", "Jan", HYP_MI_NAME, vtValues, vtPropertyValueString)
End Sub
```

Constants for Member Information

Following is a list of constants and strings for member information properties:

```
Global Const HYP_MI_NAME = "Name"
```

Global Const HYP_MI_DIM = "Dim"

Global Const HYP_MI_LEVEL = "Level"

Global Const HYP_MI_GENERATION = "Generation"

Global Const HYP_MI_PARENT_MEMBER_NAME = "ParentMbrName"

Global Const HYP MI CHILD MEMBER NAME = "ChildMbrName"

Global Const HYP_MI_PREVIOUS_MEMBER_NAME = "PrevMbrName"

Global Const HYP MI NEXT MEMBER NAME = "NextMbrName"

Global Const HYP_MI_CONSOLIDATION = "Consolidation"

Global Const HYP_MI_IS_TWO_PASS_CAL_MEMBER = "IsTwoPassCalcMbr"

Global Const HYP_MI_IS_EXPENSE_MEMBER = "IsExpenseMbr"

Global Const HYP MI CURRENCY CONVERSION TYPE = "CurrencyConversionType"

Global Const HYP_MI_CURRENCY_CATEGORY = "CurrencyCategory"

Global Const HYP MI TIME BALANCE OPTION = "TimeBalanceOption"

Global Const HYP_MI_TIME_BALANCE_SKIP_OPTION = "TimeBalanceSkipOption"



Global Const HYP MI SHARE OPTION = "ShareOption"

Global Const HYP_MI_STORAGE_CATEGORY = "StorageCategory"

Global Const HYP_MI_CHILD_COUNT = "ChildCount"

Global Const HYP MI ATTRIBUTED = "Attributed"

Global Const HYP_MI_RELATIONAL_DESCENDANT_PRESENT = "RelDescendantPresent"

Global Const HYP MI RELATIONAL PARTITION ENABLED = "RelPartitionEnabled"

Global Const HYP MI DEFAULT ALIAS = "DefaultAlias"

Global Const HYP_MI_HIERARCHY_TYPE = "HierarchyType"

Global Const HYP_MI_DIM_SOLVE_ORDER = "DimSolveOrder"

Global Const HYP_MI_IS_DUPLICATE_NAME = "IsDuplicateName"

Global Const HYP_MI_UNIQUE_NAME = "UniqueName"

Global Const HYP MI ORIGINAL MEMBER = "OrigMember"

Global Const HYP_MI_IS_FLOW_TYPE = "IsFlowType"

Global Const HYP_MI_AGGREGATE_LEVEL = "AggLevel"

Global Const HYP_MI_FORMAT_STRING = "FormatString"

Global Const HYP MI ATTRIBUTE DIMENSIONS = "AttributeDims"

Global Const HYP_MI_ATTRIBUTE_MEMBERS = "AttributeMbrs"

Global Const HYP MI ATTRIBUTE TYPES = "AttributeTypes"

Global Const HYP_MI_ALIAS_NAMES = "AliasNames"

Global Const HYP_MI_ALIAS_TABLES = "AliasTables"

Global Const HYP_MI_FORMULA = "Formula"

Global Const HYP_MI_COMMENT = "Comment"

Global Const HYP MI LAST FORMULA = "LastFormula"

Global Const HYP_MI_UDAS = "Udas"

HypGetMemberInformationEx

Describes the Oracle Smart View for Office VBA function, HypGetMemberInformationEx.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypGetMemberInformationEx returns all information about a member in an array.

Syntax

HypGetMemberInformationEx (vtSheetName, vtMemberName, vtPropertyNames, vtPropertyValues, vtPropertyValueStrings)



ByVal vtSheetName As Variant

ByVal vtMemberName As Variant

ByRef vtPropertyNames As Variant

ByRef vtPropertyValues As Variant

vtPropertyValueStrings As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtMemberName: The member for which to retrieve information. This parameter is required because there is no default value.

vtPropertyNames: The property name array

vtPropertyValues: The property value array

vtPropertyValueStrings: The property string value array

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Public Declare Function HypGetMemberInformationEx Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtMemberName As Variant, ByRef vtPropertyNames As Variant, ByRef vtPropertyValueStrings As Variant) As Long

```
sub Example_HypGetMemberInformationEx()
sts = HypGetMemberInformationEx(Empty, "100-10", propertynames,
propertyvalues, propertyvaluestrings)
End Sub
```

Options Functions

Describes the Oracle Smart View for Office options VBA functions.

Related Topics

- About Options Functions
 - Describes the Oracle Smart View for Office options VBA functions.
- HypGetGlobalOption

Describes the Oracle Smart View for Office VBA function, HypGetGlobalOption.

- HypSetGlobalOption
 - Describes the Oracle Smart View for Office VBA function, HypSetGlobalOption.
- HypGetSheetOption

Describes the Oracle Smart View for Office VBA function, HypGetSheetOption.

- HypSetSheetOption
 - Describes the Oracle Smart View for Office VBA function, HypSetSheetOption.
- HypGetOption
 - Describes the Oracle Smart View for Office VBA function, HypGetOption.
- HypSetOption
 - Describes the Oracle Smart View for Office VBA function, HypSetOption.
- HypDeleteAllMRUItems
 - Describes the Oracle Smart View for Office VBA function, HypDeleteAllMRUItems.

About Options Functions

Describes the Oracle Smart View for Office options VBA functions.

Options functions set and retrieve information for global and/or sheet options, and enable deletion of MRU items.

HypGetGlobalOption

Describes the Oracle Smart View for Office VBA function, HypGetGlobalOption.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypGetGlobalOption() returns information about Smart View global (default) options. Global options are options that apply to the entire current workbook and to any workbooks and worksheets that are created henceforth.





Use <u>HypGetOption</u> to set both global (default) and sheet specific Smart View options so that you do not need separate VBA commands for the two option types.

Syntax

HypGetGlobalOption(vtItem)

ByVal vtItem As Long

Parameters

vtltem: The number that indicates which option is to be retrieved

<u>Table 1</u> lists the numbers of options and their return data types.

Table 13-1 HypGetGlobalOption Parameter Numbers and Options

vtltem	Option	Return Data Type
1	Use Excel formatting	Boolean
2	Use double-click for ad hoc operations	Boolean
3	Enable undo	Boolean
4	Not used	
5	Specify message level setting: 0 = Information	Integer
	1 = Warnings2 = Errors	
	• 3 = None	
	 4 = Extended info 	
	See <u>Notes</u> in <u>HypSetGlobalOption</u> for information about this option and backward compatibility.	
6	Use thousands separator	Boolean
7	Route messages to log file	Boolean
8	Clear log file on next launch	Boolean
9	Navigate without data	Boolean
10	Not used	
11	Not used	
12	Specify Meaningless label	Text
13	Reduce Excel file size	Boolean
14	Enable formatted strings	Boolean
15	Retain numeric formatting	Boolean
16	Enable enhanced comment handling	Boolean
17	Enable retain ribbon context	Boolean
18	Display Smart View Panel on startup	Boolean
19	Always show on refresh (in Comment Edit dialog box; available only if Enhanced comment handling is enabled and the grid contains comments)	Boolean



Table 13-1 (Cont.) HypGetGlobalOption Parameter Numbers and Options

vtltem	Option	Return Data Type
20	Enable profiling. Includes extended Info log entries and most function calls. Creates XML files for each Office application with active Smart View. Intended for debugging. Severely impacts performance. See Notes in HypSetGlobalOption for information about backward compatibility.	Boolean

Return Value

Returns the appropriate return data type as shown in <u>Table 1</u>; otherwise, returns the appropriate error code.

Example

The following example sets the message level option and checks whether the value set is valid.

```
Declare Function HypGetGlobalOption Lib "HsAddin" (ByVal vtItem As Long) As
Variant

Sub Example_HypGetGlobalOption()
  sts = HypGetGlobalOption(5)
  If sts = -15 then
     Msgbox ("Invalid Parameter")
  Else
     Msgbox ("Message level is set to" & sts)
  End If
```

HypSetGlobalOption

End Sub

Describes the Oracle Smart View for Office VBA function, HypSetGlobalOption.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypSetGlobalOption() sets global Smart View options. Global options are options that apply to the entire current workbook and to any workbooks and worksheets that are created henceforth.



You can set only one option at a time.





Use HypSetOption to set both global (default) and sheet specific Smart View options so that you do not need separate VBA commands for the two option types.

Syntax

HypSetGlobalOption(vtItem, vtGlobalOption)

ByVal vtItem As Long

ByVal vtGlobalOption As Variant

Parameters

vtltem: The number that indicates which option is to be set. See <u>Table 1</u> for values.

vtGlobalOption: A variant which can take a Boolean, Number, or Text value denoting the option being set for vtItem. If Null or Empty, no action is performed.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Notes

For backward compatibility, HypSetGlobalOption(5, 5) is supported for setting the profiling option only on sheets created earlier than Smart View 11.1.2.5.000. This VBA statement is not supported to set the profiling option on sheets created in Smart View 11.1.2.5.000 and later.

In Smart View 11.1.2.5.000 and later, using HypSetGlobalOption(5,5) to set the profiling option returns a value of -69, SS VBA DEPRECATED. Instead, use the following functions to get or set the profiling option:

- HypGetGlobalOption(20) and HypSetGlobalOption(20, True or False)
- HypGetOption(119, Var, "") and HypSetOption(119, True or False, "")

Example

The following example sets the option to display no messages.

```
Declare Function HypSetGlobalOption Lib "HsAddin" (ByVal vtItem As Long,
ByVal vtGlobalOption As Variant) As Long
Sub Example_HypSetGlobalOption()
  X=HypSetGlobalOption(5, 3)
If X=0 Then
  MsgBox("Message level is set to 3 - No messages")
   MsgBox("Error. Message level not set.")
End If
End Sub
```



HypGetSheetOption

Describes the Oracle Smart View for Office VBA function, HypGetSheetOption.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypGetSheetOption() returns information about sheet level options.



Use <u>HypGetOption</u> to set both global (default) and sheet specific Smart View options so that you do not need separate VBA commands for the two option types.

Syntax

HypGetSheetOption(vtSheetName, vtItem)

ByVal vtSheetName As Variant

ByVal vtItem As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtltem: The number that indicates which option is to be retrieved. See <u>Table 1</u> for a list of values.

Table 13-2 Options for vtltem

vtltem	Option	Data Type and Values
1	Set zoom in level:	Number
	 0 = Next level 	
	1 = All levels	
	 2 = Bottom level 	
	 3 = Sibling level 	
	 4 = Same level 	
	 5 = Same generation 	
	6 = Formulas	
2	Enable Include Selection setting	Boolean
3	Enable Within Selection Group setting	Boolean
4	Enable Remove Unselected Groups setting	Boolean
5	Specify Indent setting:	Number
	 0 = No indentation 	
	 1 = Indent sub items 	
	 2 = Indent totals 	



Table 13-2 (Cont.) Options for vtltem

vtltem	Option	Data Type and Values	
6	Enable suppress missing setting	Boolean	
7	Enable suppress zeros setting	Boolean	
8	Enable suppress underscores setting	Boolean	
9	Enable No Access setting	Boolean	
10	Enable Repeated Member setting	Boolean	
11	Enable Invalid setting	Boolean	
12	Ancestor Position: 0 = Top 1 = Bottom	Number	
13	Specify Missing Text label	Text	
14	Specify No Access label	Text	
15	Cell Status: 0 = Data 1 = Calculation Status 2 = Process Management	Number	
16	Member Name Display options: 0 = Name Only 1 = Name and Description 2 = Description only	Number	

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypGetSheetOption Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtItem As Variant) As Variant

Sub Example_HypGetSheetOption()
sts = HypGetSheetOption("Sheet", 5)
If sts = -15 then
    Msgbox ("Invalid Parameter")
Else
    Msgbox ("Indentation is set to" & sts)
End If
End Sub
```

HypSetSheetOption

Describes the Oracle Smart View for Office VBA function, HypSetSheetOption.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management



Description

HypSetSheetOption() sets sheet level options.



(i) Note

You can set only one option at a time.



☑ Tip

Use HypSetOption to set both global (default) and sheet specific Smart View options so that you do not need separate VBA commands for the two option types.

Syntax

HypSetSheetOption(vtSheetName, vtItem, vtOption)

ByVal vtSheetName As Variant

ByVal vtItem As Variant

ByVal vtOption As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtltem: The number that indicates which option is to be set. See Table 1 for a list of values.

vtOption: The new value of the item.

Return Values

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Declare Function HypSetSheetOption Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtItem As Variant, ByVal vtOption As Variant) As Long
Sub Example HypSetSheetOption()
X=HypSetSheetOption(Empty, 6, FALSE)
If X=0 Then
  MsgBox("#Missing values will appear. ")
  MsgBox("Error. #Missing option not set.")
End If
End Sub
```



HypGetOption

Describes the Oracle Smart View for Office VBA function, HypGetOption.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypGetOption() retrieves Smart View options that are both global (default) and sheet specific so that you do not need separate VBA commands for the two option types.

See also <u>HypGetGlobalOption</u> and <u>HypGetSheetOption</u>.

Syntax

HypGetOption (vtltem,vtRet,vtSheetName)

ByVal vtItem As Variant

ByRef vtRet As Variant

ByVal vtSheetName As Variant

Parameters

vtltem: The index or constant that refers to a specific option. See <u>Table 1</u> for descriptions of the options. Also, a list of available options is shown in smartview.bas under "Enumeration of options index to be used for HypGetOption/HypSetOption."

vtRet: The output variable

vtSheetName: The sheet name of a sheet level option. If no sheet name is provided, then the option is set as default.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Public Declare Function HypGetOption Lib "HsAddin" (ByVal vtItem As Variant,
ByRef vtRet As Variant, ByVal vtSheetName As Variant) As Long

Sub Example_HypGetOption()

sts = HypGetOption(HSV_ZOOMIN, Var, "Sheet2") 'get zoom in option for sheet2
sts = HypGetOption(1, Var, "") 'get default zoom in option

End Sub

Sub getFormatOptions()

HypGetOption HSV_USE_EXCEL_INDENTATION, Var, "Sheet1"
```



```
HypGetOption HSV_NEGATIVE_NUMBERFORMAT, Var, ""
HypGetOption HSV_USE_CUSTOM_NUMBERFORMAT, Var, ""
HypGetOption HSV_CUSTOM_NUMBERFORMAT, Var, ""
HypGetOption HSV_SHOW_DISTINCT_PAGE_MEMBERNAME, Var, ""
HypGetOption HSV_FREEZE_ROWCOL_HEADERS, Var, ""
End Sub

Sub setNegativeNum()
sts = HypSetOption(HSV_NEGATIVE_NUMBERFORMAT, 2, "")
End Sub

Sub setCustomformat()
HypSetOption HSV_USE_CUSTOM_NUMBERFORMAT, True, ""
HypSetOption HSV_USE_CUSTOM_NUMBERFORMAT, "#,##0_);[Blue](#,##0)", ""
End Sub
```

Table 13-3 Option Constants for HypGetOption and HypSetOption

Option	Constant	Data Type	Comment
HSV_ZOOMIN	1	Number	Sets zoom in level: 0 = Next level 1 = All levels 2 = Bottom level 3 = Sibling level 4 = Same level 5 = Same generation 6 = Formulas
HSV_INCLUDE_SELECTION	2	Boolean	Selects the Include Selections check box
HSV_WITHIN_SELECTEDGROUP	3	Boolean	Selects the Within Selected Group check box
HSV_REMOVE_UNSELECTEDGROUP	4	Boolean	Selects the Remove Unselected Groups check box
HSV_INDENTATION	5	Number	Selects an Indentation option 0 = No indentation 1 = Indent sub items 2 = Indent totals
HSV_SUPPRESSROWS_MISSING	6	Boolean	Suppresses rows that contain no data or are missing data
HSV_SUPPRESSROWS_ZEROS	7	Boolean	Suppresses rows that contain only zeroes
HSV_SUPPRESSROWS_UNDERSCOR E	8	Boolean	Suppresses rows that contain underscore characters in member names
HSV_SUPPRESSROWS_NOACCESS	9	Boolean	Suppress rows that contain data that the user does not have the security access to view



Table 13-3 (Cont.) Option Constants for HypGetOption and HypSetOption

Option	Constant	Data Type	Comment
HSV_SUPPRESSROWS_REPEATEDM EMBERS	10	Boolean	Suppresses rows that contain repeated member names, regardless of grid orientation.
HSV_SUPPRESSROWS_INVALID	11	Boolean	Suppresses rows that contain only invalid values
HSV_ANCESTOR_POSITION	12	Number	Specifies an ancestor position in hierarchies: 0 = Top 1 = Bottom
HSV_MISSING_LABEL	13	Text	Displays #Missing, #Numeric Zero, or the text of your choice in data cells that contain missing data.
HSV_NOACCESS_LABEL	14	Text	Displays #NoAccess, #Numeric Zero, or the text of your choice in data cells that the user does not have permission to view.
HSV_CELL_STATUS	15	Number	As an alternative to displaying actual data, displays the calculation or process status of the cells: 0 = Data 1 = Calculation Status 2 = Process Management
HSV_MEMBER_DISPLAY	16	Number	Specifies how to display member names in cells: • 0 = Name Only • 1 = Name and Description • 2 = Description only
HSV_INVALID_LABEL	17	Text	Displays #Invalid, #Numeric Zero, or the text of your choice in data cells that contain invalid data.
HSV_SUBMITZERO	18	Boolean	If you specified #NumericZero for the HSV_MISSING_LABEL, HSV_NOACCESS_LABEL, or SV_INVALID_LABEL options, allows you to submit zeroes to the database.
HSV_MOVEESSBASEMEMBERFORM ULAONZOOM	19	Boolean	When set to True, moves member formulas on zoom in and zoom out. When enabled, this behavior can impact performance during zoom in and zoom out. Therefore, the default setting is False. This option becomes irrelevant when the
			grid contains any data or non-data formulas, or a zoom-in is performed in a free-form grid, in which case, the member formula will move by default.
HSV_PRESERVE_ESSBASECOMMEN T_UNKNOWNMEMBERS	20	Boolean	Preserves Essbase comments. If set to false, an "unknown member" error message from Essbase is displayed.
HSV_PRESERVE_FORMULA_COMME NT	21	Boolean	Preserves formulas and comments on the grid during queries.
HSV_22	22		Reserved for future use



Table 13-3 (Cont.) Option Constants for HypGetOption and HypSetOption

Option	Constant	Data Type	Comment
HSV_FORMULA_FILL	23	Boolean	Propagates formulas associated with member cells to the members retrieved as a result of zooming in. If HSV_PRESERVE_FORMULA_COMME NT and HSV_EXCEL_FORMATTING are
			both enabled, propagates cell formatting to the members retrieved as a result of zooming in.
			Applies to formulas in both member and data cells.
HSV_PRESERVE_FORMULA_ONPOV CHANGE	24	Boolean	Specific to form sheets. Preserves formulas in cells when user refreshes or makes changes to the POV. When set to False, any formulas in the sheet are lost.
HSV_EXCEL_FORMATTING	30	Boolean	Selects the Excel formatting check box
HSV_RETAIN_NUMERIC_FORMATTIN G	31	Boolean	When the user drills down in dimensions, uses the scale specified in HSV_SCALE and/or number of decimal places from HSV_DECIMALPLACES for data.
HSV_THOUSAND_SEPARATOR	32	Boolean	Uses a comma or other thousands separator in numerical data. Do not use # or \$ as the thousands separator in Excel International Options.
HSV_NAVIGATE_WITHOUTDATA	33	Boolean	Enables the speeding up of operations such as Pivot, Zoom, Keep Only, and Remove Only by preventing the calculation of source data while you are navigating. When you are ready to retrieve data, disable Navigate without Data.
HSV_ENABLE_FORMATSTRING	34	Boolean	Essbase-specific. Essbase provides a format string to be associated with different data types.
			Once enabled, shows user specific text instead of numbers.
HSV_ENHANCED_COMMENT_HANDL ING	35	Boolean	Enables review and correction of comments and member names in ad hoc grids that contain comments.
HSV_ADJUSTCOLUMNWIDTH	36	Boolean	Adjusts column widths to fit cell contents automatically.
HSV_DECIMALPLACES	37	Number	Specifies the number of decimal places to display.
HSV_SCALE	38	Number	Specifies the scaling of numeric data, which is displayed based on the scale selected.
HSV_MOVEFORMATS_ON_ADHOC	39	Boolean	Copies parent cell formatting to zoomed in cells and retains this formatting even if the cell location changes after an operation.
HSV_DISPLAY_INVALIDDATA	40	Boolean	Displays invalid data.



Table 13-3 (Cont.) Option Constants for HypGetOption and HypSetOption

Option	Constant	Data Type	Comment
HSV_SUPPRESSCOLUMNS_MISSING	41	Boolean	Suppresses columns that contain cells for which no data exists in the database (no data is not the same as zero. Zero is a data value.)
HSV_SUPPRESSCOLUMNS_ZEROS	42	Boolean	Suppresses columns that contain only zeroes.
HSV_SUPPRESSCOLUMNS_NOACCE SS	43	Boolean	Suppresses columns that contain data that the user does not have the security access to view.
HSV_SUPPRESS_MISSINGBLOCKS	44	Boolean	Suppresses blocks of cells for which no data exists in the database.
HSV_REPEATMEMBERS_IN_FORMS	45	Boolean	Facilitates the readability of forms by allowing member names to appear on each row of data.
HSV_USE_EXCEL_INDENTATION	46	Boolean	Preserves native Excel formatting used for indentation in ad hoc grids. Works in conjunction with HSV_INDENTATION. When HSV_INDENTATION is set to 1 (Subitems) or 2 (Totals), the blank spaces used for indentation may create issues for some users. By enabling HSV_USE_EXCEL_INDENTATION, the indentation for subtotals and totals is handled correctly.
			Works with Oracle Fusion Cloud Enterprise Performance Management 21.02+ Standard mode applications only.
HSV_SHOW_DISTINCT_PAGE_MEMB ERNAME	47	Boolean	Displays distinct page member names or fully qualified names, instead of descriptions, in the Page list for forms.
HSV_FREEZE_ROWCOL_HEADERS	48	Boolean	Freezes row and column headers in all forms and ad hoc grids dynamically, irrespective of their size and layout. Once enabled, if this is option is then disabled, the freeze from the rows and columns is removed, so that users can freeze them manually as required.
HSV_NEGATIVE_NUMBERFORMAT	49	Number	Specifies the format in which negative numbers must be displayed. Valid values are: 0—Use negative sign (default) 1—Use parentheses to show negative number 2—Use Red color 3—Use parentheses and red color
HSV_USE_CUSTOM_NUMBERFORMA T	50	Boolean	Enables custom number format.
HSV_CUSTOM_NUMBERFORMAT	51	Text	A custom number format string. User is responsible for setting the proper format per Excel standards.



Table 13-3 (Cont.) Option Constants for HypGetOption and HypSetOption

Option	Constant	Data Type	Comment
HSV_PRESERVE_NUMERIC_COMME NT	52	Boolean	Controls whether or not to preserve numeric comments and data values on refreshing an ad hoc grid. 1 = On refresh, the invalid member cell turns into a comment and the data values associated with the member are retained without any formatting applied to them.
			0 = Default. On refresh, the invalid member cells turn into a comment and is retained on the grid, but the data values associated with them are removed from the grid.
			Requires Smart View 25.200+.
HSV_DOUBLECLICK_FOR_ADHOC	101	Boolean	Specifies that double-clicking retrieves the default grid in a blank worksheet and thereafter zooms in or out on the cell contents.
HSV_UNDO_ENABLE	102	Boolean	Enables and disables Undo. Specify the number undo operations allowed with the HSV_NUMBER_OF_UNDO_ACTION parameter.
HSV_103	103		Reserved for future use.
HSV_LOGMESSAGE_DISPLAY	104	Number	Specifies message display level setting: 0 = Information 1 = Warnings 2 = Errors 3 = None 4 = Extended info
HSV_ROUTE_LOGMESSAGE_TO_FIL E	105	Boolean	Enables and disables the Route Messages to File check box.
HSV_CLEAR_LOG_ON_NEXTLAUNCH	106	Boolean	Clears the log file starting with the next log message generation, which will be seen after Excel is closed.



Table 13-3 (Cont.) Option Constants for HypGetOption and HypSetOption

Option	Constant	Data Type	Comment
HSV_REDUCE_EXCEL_FILESIZE	107	Boolean	Should always be enabled except in the following cases, when it should not be used: You send an Excel workbook to users on Smart View releases earlier than 9.3.1.6 or to users on Microsoft Office regardless of Smart View release. In these workbooks: Grids that contain functions must be refreshed before data
			 can be displayed. In ad hoc mode, POV settings are lost; the behavior is similar to that of a fresh ad hoc grid.
			 You open a workbook sent from users on Smart View release earlier than 9.3.1.6 or on Microsoft Office regardless of Smart View release
HSV_ENABLE_RIBBON_CONTEXT	108	Boolean	Displays the active data provider ribbon automatically after you use a button on the Smart View ribbon.
HSV_DISPLAY_HOMEPANEL_ONSTAR TUP	109	Boolean	Enables and disables the Display on Startup check box on the Smart View Home panel. When enabled, shows the Smart View Home Panel when the Panel icon is selected in the Smart View ribbon.
			When disabled, the last opened panel is shown.
HSV_SHOW_COMMENTDIALOG_ON_ REFRESH	110	Boolean	When enabled, if the grid has comments, the comment editor is displayed to users upon refresh. When disabled, users can launch the comment editor from the Smart View ribbon.
HSV_NUMBER_OF_UNDO_ACTION	111	Number	The number of Undo and Redo actions permitted on an operation (0 through 100). Works in conjunction with the HSV_UNDO_ENABLE parameter.
HSV_NUMBER_OF_MRU_ITEMS	112	Number	The number, 15 or fewer, of your most recently used connections to be displayed on Smart View Home and the Open menu on the Smart View ribbon.
HSV_ROUTE_LOGMESSAGE_FILE_L OCATION	113	Text	Saves log messages in a file.
HSV_DISABLE_SMARTVIEW_IN_OUT LOOK	114	Boolean	Disables Smart View in Outlook if you do not want to use Smart View task lists in Outlook.
HSV_DISPLAY_SMARTVIEW_SHORTC UT_MENU_ONLY	115	Boolean	Displays only Smart View menu items on shortcut menus. Otherwise, shortcut menus display both Excel and Smart View items.



Table 13-3 (Cont.) Option Constants for HypGetOption and HypSetOption

Option	Constant	Data Type	Comment
HSV_DISPLAY_DRILL_THROUGH_RE PORT_TOOLTIP	116	Boolean	Displays by default lists of available drill- through reports for cells whenever you mouse over them.
HSV_SHOW_PROGRESSINFORMATIO N	117	Boolean	Specifies that the Smart View Progress status bar will appear when an operation begins after the number of seconds defined in HSV_PROGRESSINFO_TIMEDELAY.
HSV_PROGRESSINFO_TIMEDELAY	118	Number	The time, in seconds, after which the Smart View Progress status bar appears when an operation begins.
HSV_ENABLE_PROFILING	119	Boolean	Creates extended Info log entries and most function calls. Creates XML files for each Office application with active Smart View. Intended for debugging. Severely impacts performance.
HSV_REFRESH_SELECTED_DEPEND ENT_FUNCTIONS	121	Boolean	Executes dependent functions on the same sheet before executing the selected functions.
HSV_IMPROVE_METADATASTORAGE	122	Boolean	Allows for more efficient storage of internal data structures. This option pertains to interoperability between different versions of Smart View.
			When this option is set to True, Smart View maintains two copies of metadata for compatibility purpose, which may result in slower overall performance.
			If all users in your organization are on Smart View 9.3.1.6 or higher, then this option should always be set to True.
			Set this option to False in the following situations:
			 You send an Excel workbook to users on Smart View releases earlier than 9.3.1.6, or to users on Microsoft Office 2002 and earlier, regardless of Smart View release
			 You open a workbook sent from users on Smart View releases earlier than 9.3.1.6, or from users on Microsoft Office 2002 and earlier, regardless of Smart View release



Table 13-3 (Cont.) Option Constants for HypGetOption and HypSetOption

Option	Constant	Data Type	Comment
HSV_FLOATINGPOPUP_ONGRID	123	Boolean	Displays the floating toolbar when clicking a data cell in Planning forms. The floating toolbar provides quick access to these actions: Supporting Details Cell Comments Drill-through Attachments 1 = Default. Display the floating toolbar. 0 = Suppress the floating toolbar. Requires Smart View 25.200+.
HSV_PRESERVE_FLEXFORMGRID_O NPOVCHANGE	124	Boolean	Retains modified members on a flex form after a POV or user variable change. If this option is set to 0 (default), any added rows or columns in the flex form will be removed upon a POV or user variable change. Requires Smart View 25.200+.
HSV_WEBLAUNCH_IN_NEW_WORKB OOK	125	Boolean	When using the Open in Smart View action in the web business process, opens the artifact in a new Excel workbook. 1 = Opens in a new Excel workbook. 0 = Default. Opens in the same workbook, overriding the current sheet. Requires Smart View 25.200+.

HypSetOption

Describes the Oracle Smart View for Office VBA function, HypSetOption.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypSetOption() enables you to set Smart View options as both global (default) and sheet specific so that you do not need separate VBA commands for the two option types.

See also <u>HypSetGlobalOption</u> and <u>HypSetSheetOption</u>.

Syntax

HypSetOption (vtItem,vtOption,vtSheetName)

ByVal vtItem As Variant

ByVal vtOption As Variant



ByVal vtSheetName As Variant

Parameters

vtltem: The index or constant that refers to a specific option. See <u>Table 1</u> for descriptions of the options. Also, a list of available options is shown in smartview.bas under "Enumeration of options index to be used for HypGetOption/HypSetOption."

vtOption: The input value to set for an option.

vtSheetName: The sheet name to set a sheet level option. If no sheet name is provided, then the option is set as default.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Public Declare Function HypSetOption Lib "HsAddin" ( ByVal vtItem As
Variant,ByVal vtOption As Variant, ByVal vtSheetName As Variant) As Long
Sub Example_HypSetOption()

sts = HypSetOption(HSV_ZOOMIN, 2, "Sheet2") 'set zoom in option for sheet2
sts = HypSetOption(HSV_ZOOMIN, 1, "") 'set default zoom in

sts = HypSetOption(HSV_INVALID_LABEL, "#InvalidTest", "Sheet2") 'set invalid label for sheet2
sts = HypSetOption(17, "#globalinvalid", "") 'set default invalid label, numbers can be used instead of declared constants

End Sub
Sub SetOptn()
   HypSetOption (HSV_REFRESH_SELECTED_DEPENDENT_FUNCTIONS, False, "")
   HypSetOption (HSV_IMPROVE_METADATASTORAGE, False, "")
End Sub
```

HypDeleteAllMRUItems

Describes the Oracle Smart View for Office VBA function, HypDeleteAllMRUItems.

Data provider types: All

Description

HypDeleteAllMRUItems () deletes all items in the most recently used list, including those that are pinned to the list.

Syntax

HypDeleteAllMRUItems Lib "HsAddin" () As Long

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.



Example

Public Declare Function HypDeleteAllMRUItems Lib "HsAddin" () As Long
Sub Example_HypDeleteAllMRUItems ()
 sts = HypDeleteAllMRUItems()
End Sub

Dynamic Link Functions

Describes the Oracle Smart View for Office dynamic link VBA functions.

Related Topics

About Dynamic Link Views

Describes the Oracle Smart View for Office dynamic link VBA functions.

Setting Up Dynamic Link Views

Use dynamic link views to customize link behavior. With a dynamic link view, you can change the connection, row, column, POV, and column information.

Automating Macro Execution

Automate execution of a macro through the Oracle Smart View for Office menu.

HypUseLinkMacro

Describes the Oracle Smart View for Office VBA function, HypUseLinkMacro.

HypSetLinkMacro

Describes the Oracle Smart View for Office VBA function, HypSetLinkMacro.

HypGetLinkMacro

Describes the Oracle Smart View for Office VBA function, HypGetLinkMacro.

HypGetSourceGrid

Describes the Oracle Smart View for Office VBA function, HypGetSourceGrid.

HypDisplayToLinkView

Describes the Oracle Smart View for Office VBA function, HypDisplayToLinkView.

HypGetConnectionInfo

Describes the Oracle Smart View for Office VBA function, HypGetConnectionInfo.

HypSetConnectionInfo

Describes the Oracle Smart View for Office VBA function, HypSetConnectionInfo.

HypGetRowCount

Describes the Oracle Smart View for Office VBA function, HypGetRowCount.

HypGetColCount

Describes the Oracle Smart View for Office VBA function, HypGetColCount.

HypGetPOVCount

Describes the Oracle Smart View for Office VBA function, HypGetPOVCount.

HypGetRowItems

Describes the Oracle Smart View for Office VBA function, HypGetRowltems.

HypSetRowItems

Describes the Oracle Smart View for Office VBA function, HypSetRowltems.

HypGetColltems

Describes the Oracle Smart View for Office VBA function, HypGetColltems.

HypSetColltems

Describes the Oracle Smart View for Office VBA function, HypSetColltems.

HypGetPOVItems

Describes the Oracle Smart View for Office VBA function, HypGetPOVItems.



HypSetPOVItems

Describes the Oracle Smart View for Office VBA function, HypSetPOVItems.

About Dynamic Link Views

Describes the Oracle Smart View for Office dynamic link VBA functions.

Use static or dynamic link views to display details about a data point in an adjacent window without disturbing the contents in the main window.

Static link views are predefined and are built into Smart View. With dynamic link views, you can use the VBA functions in this section to change row, column, POV, and connection information.

When the dynamic link query has been initialized, all the subsequent setinfo, getinfo, displaytolinkview calls are performed on that saved dynamic link query. If you change the grid on the worksheet and want to perform the dynamic link action on the new grid, you must again initialize the query using the setinfo calls available.

Setting Up Dynamic Link Views

Automating Macro Execution

Setting Up Dynamic Link Views

Use dynamic link views to customize link behavior. With a dynamic link view, you can change the connection, row, column, POV, and column information.

To set up a dynamic link view:

1. Set the HypUseLinkMacro flag to True.

When HypUseLinkMacro is set to False, the predefined link query is performed.

2. Set the macro name to run.

The macro name you set should contain all the function calls to initialize the grid and to set the connection, row, POV, and column items as needed.

- 3. Connect the sheet and retrieve the appropriate grid onto the sheet.
- Select a data point on the sheet.
- From the Essbase ribbon, select Visualize, then Visualize in Excel.

The macro set in step 2 is executed, and the link action is performed.

Automating Macro Execution

Automate execution of a macro through the Oracle Smart View for Office menu.

To set up a macro to execute manually through the Smart View menu:

- 1. Set the HypUseLinkMacro flag to false.
- Connect the sheet and retrieve a grid.
- 3. Select a data point on the sheet.
- **4.** Run the macro that contains all the function calls to initialize the grid and set the connection, row, column, and POV items.



HypUseLinkMacro

Describes the Oracle Smart View for Office VBA function, HypUseLinkMacro.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Descriptiopn

HypUseLinkMacro() specifies the type of link view: static or dynamic.



Note

Static and dynamic link views share the same menu option; therefore, you must turn the flag on before performing the dynamic link query. When you are finished with dynamic link views, turn the flag off.

Syntax

HypUseLinkMacro (bUse)

ByVal bUse as Boolean

Parameters

bUse: Set to True to perform dynamic link. Set to False to perform static link.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypUseLinkMacro Lib "HsAddin" (ByVal bUse As Boolean) As Long
Sub Example_HypUseLinkMacro()
  Sts = HypUseLinkMacro(True)
End sub
```

HypSetLinkMacro

Describes the Oracle Smart View for Office VBA function, HypSetLinkMacro.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)



Description

HypSetLinkMacro() sets the macro name to be run to perform the dynamic link query action.



(i) Note

When the link action is triggered from the Visualize in Excel menu item, the macro set by this function will be run.

Syntax

HypSetLinkMacro (vtMacroName)

ByVal vtMacroName As Variant

Parameters

vtMacroName: The name of the macro to be run

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypSetLinkMacro Lib "HsAddin" (ByVal vtMacroName As Variant)
As Long
Sub Example_HypSetLinkMacro()
  Sts = HypUseLinkMacro(True)
  Sts = HypSetLinkMacro("Sheet1.Macro8")
End Sub
```

HypGetLinkMacro

Describes the Oracle Smart View for Office VBA function, HypGetLinkMacro.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypGetLinkMacro() returns the macro name currently set to be run to perform the dynamic link query.

Syntax

HypGetLinkMacro (vtMacroName)

ByRef vtMacroName As Variant



Parameters

vtMacroName: Output parameter, returns the currently set macro name

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypGetLinkMacro Lib "HsAddin" (ByRef vtMacroName As Variant)
As Long

Sub Example_HypGetLinkMacro()
    Dim Macroname As Variant
    Sts = HypUseLinkMacro(True)
    Sts = HypSetLinkMacro("Sheet1.Macro8")
    Sts = HypGetLinkMacro(Macroname)
    If (StrComp(MacroName, "Sheet1.Macro8")) Then
        MsgBox ("Error Occurred")
    End If
End Sub
```

HypGetSourceGrid

Describes the Oracle Smart View for Office VBA function, HypGetSourceGrid.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypGetSourceGrid() creates a query from the source grid for the dynamic link query.

This function applies to both static and dynamic link views.

Before you run HypGetSourceGrid, a connected grid must exist on the active worksheet and a valid data cell must be selected.

Syntax

HypGetSourceGrid(vtSheetName, vtGrid)

ByVal vtSheetName As Variant

ByRef vtGrid As Variant

Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtGrid: The grid XML returned



Return Value

Returns 0 if successful or the appropriate error code otherwise.

Example

```
Declare Function HypGetSourceGrid Lib "HsAddin" (ByVal vtSheetName As
Variant, ByRef vtGrid As Variant) As Long
Sub Example_HypGetSourceGrid()
  Dim vtGrid As Variant
  Range ("B2").Select
  Sts = HypGetSourceGrid (Empty, vtGrid)
End sub
```

HypDisplayToLinkView

Describes the Oracle Smart View for Office VBA function, HypDisplayToLinkView.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Data provider types:



Note

The link action is performed with the latest content of the dynamic link guery.

Description

HypDisplayToLinkView() displays Office documents to Word or PowerPoint or grids to Excel.

Syntax

HypDisplayToLinkView (vtDocumentType, vtDocumentPath)

ByVal vtDocumentType As Variant

ByVal vtDocumentPath As Variant

Parameters

vtDocumentType:The destination for the link view. Valid values:

- **EXCEL APP**
- WORD APP
- PPOINT APP

vtDocumentPath: The path to the document. Required only for WORD APP or PPOINT APP.



Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypDisplayToLinkView Lib "HsAddin" (ByVal vtDocumentType As
Variant, ByVal vtDocumentPath As Variant) As Long
Sub Example_HypDisplayToLinkView()
 Dim vtGrid As Variant
  Sts = HypConnect(Empty, "UserName", "Password", "MyDemoBasic")
 Sts = HypRetrieve(Empty)
 Range("B2").Select
 Sts = HypGetSourceGrid(Empty, vtGrid)
 Sts = HypSetColItems(1, "Market", "East", "West", "South", "Central",
"Market")
  Sts = HypDisplayToLinkView("EXCEL_APP", "")
End Sub
```

HypGetConnectionInfo

Describes the Oracle Smart View for Office VBA function, HypGetConnectionInfo.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only),

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)



(i) Note

It is assumed that a call has already been made to HypGetSourceGrid to initialize the dynamic link query, which contains the information about the active data provider and the grid on the worksheet.

Description

HypGetConnectionInfo() returns the connection information for the dynamic link query.

Syntax

HypGetConnectionInfo(vtServerName, vtUserName, vtPassword, vtApplicationName, vtDatabaseName,vtFriendlyName,vtURL,vtProviderType)

ByRef vtServerName As Variant

ByRef vtUserName As Variant

ByRef vtPassword As Variant

ByRef vtApplicationName As Variant

ByRef vtDatabaseName As Variant

ByRef vtFriendlyName As Variant



ByRef vtURL As Variant

ByRef vtProviderType As Variant

Parameters

vtServerName: Output parameter; the name of the server for the dynamic link query

vtUserName: Output parameter; the user name for the dynamic link query

vtPassword: Output parameter; the password for the dynamic link query. Note: The actual password is not returned for security reasons; it is returned as Empty.

vtApplicationName: Output parameter; the application name for the dynamic link guery

vtDatabaseName: Output parameter; the database name for the dynamic link query

vtFriendlyName: Output parameter; the friendly connection name for the dynamic link query

vtURL: Output parameter; the URL for the dynamic link query

vtProviderType: Output parameter; the provider type for the dynamic link guery

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

Declare Function HypGetConnectionInfo Lib "HsAddin" (ByRef vtServerName As Variant, ByRef vtUserName As Variant, ByRef vtPassword As Variant, ByRef vtApplicationName As Variant, ByRef vtDatabaseName As Variant, ByRef vtFriendlyName As Variant, ByRef vtURL As Variant, ByRef vtProviderType As Variant) As Long

```
Sub Example_HypGetConnectionInfo()
   Dim vtGrid As Variant
   Dim server As Variant
   Dim user As Variant
   Dim app As Variant
   Dim db As Variant
   Dim provider As Variant
   Dim conn As Variant
   Dim url As Variant
   Dim url As Variant
   Sts = HypConnect(Empty, "UserName", "MyDemoBasic")
   Sts = HypRetrieve(Empty)
   Range ("B2").Select
   Sts = HypGetSourceGrid (Empty, vtGrid)
   Sts = HypGetConnectionInfo(server, user, pwd, app, db, conn, url, provider)
End sub
```

HypSetConnectionInfo

Describes the Oracle Smart View for Office VBA function, HypSetConnectionInfo.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting



On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypSetConnectionInfo() modifies the connection information in the query.

The parameters passed for HypSetConnectionInfo() must match the connection information stored with that connection name.



Note

It is assumed that a call has already been made to HypGetSourceGrid to initialize the dynamic link query, which contains the information about the active data provider and the grid on the worksheet.

Syntax

HypSetConnectionInfo (vtServerName, vtUserName, vtPassword, vtApplicationName, vtDatabaseName, vtFriendlyName, vtURL, vtProviderType)

ByVal vtServerName As Variant

ByVal vtUserName As Variant

ByVal vtPassword As Variant

ByVal vtApplicationName As Variant

ByVal vtDatabaseName As Variant

ByVal vtFriendlyName As Variant

ByVal vtURL As Variant

ByVal vtProviderType As Variant

Parameters

vtServerName: The server name in the query

vtUserName: The user name in the query

vtPassword: The user password in the query

vtApplicationName: The application name in the query

vtDatabaseName: The database name in the query

vtFriendlyName: The friendly connection name in the query

vtURL: The provider URL in the query

vtProviderType: The provider type in the query

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.



Example

Declare Function HypSetConnectionInfo Lib "HsAddin" (ByVal vtServerName As Variant, ByVal vtUserName As Variant, ByVal vtPassword As Variant, ByVal vtApplicationName As Variant, ByVal vtDatabaseName As Variant, ByVal vtFriendlyName As Variant, ByVal vtURL As Variant, ByVal vtProviderType As Variant) As Long

```
Sub Example_HypSetConnectionInfo()
  Dim vtGrid As Variant
  Sts = HypConnect(Empty, "UserName", "Password", "DemoBasic")
  Sts = HypRetrieve(Empty)
  Range("B2").Select
  Sts = HypGetSourceGrid(Empty, vtGrid)
  Sts = HypSetConnectionInfo("localhost", "UserName", "Password", "Sample",
"Basic", "SampleBasic", "http://localhost:13080/aps/SmartView", provider)
End Sub
```

HypGetRowCount

Describes the Oracle Smart View for Office VBA function, HypGetRowCount.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypGetRowCount() returns the number of row dimensions.



(i) Note

It is assumed that a call has already been made to HypGetSourceGrid to initialize the dynamic link query, which contains the information about the active data provider and the grid on the worksheet.

Syntax

HypGetRowCount()

Return Value

Returns number of row dimensions if successful; otherwise, returns the appropriate error code.

```
Declare Function HypGetRowCount Lib "HsAddin" () As Long
Sub Example_HypGetRowCount()
  Dim vtGrid As Variant
  Sts = HypConnect(Empty, "UserName", "Password", "MyDemoBasic")
```



```
Sts = HypRetrieve(Empty)
  Range ("B2").Select
  Sts = HypGetSourceGrid (Empty, vtGrid)
  Sts = HypGetRowCount ()
End sub
```

HypGetColCount

Describes the Oracle Smart View for Office VBA function, HypGetColCount.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypGetColCount() returns the number of column dimensions.



Note

It is assumed that a call has already been made to HypGetSourceGrid to initialize the dynamic link query, which contains the information about the active data provider and the grid on the worksheet.

Syntax

HypGetColCount()

Return Value

Returns the number of column dimensions if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypGetColCount Lib "HsAddin" () As Long
Sub Example_HypGetColCount()
  Dim vtGrid As Variant
  Sts = HypConnect(Empty, "UserName", "Password", "MyDemoBasic")
  Sts = HypRetrieve(Empty)
  Range ("B2").Select
   Sts = HypGetColCount ()
End sub
```

HypGetPOVCount

Describes the Oracle Smart View for Office VBA function, HypGetPOVCount.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)



On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypGetPOVCount() returns the number of dimensions in the POV from the dynamic link query.



Note

It is assumed that a call has already been made to HypGetSourceGrid to initialize the dynamic link query, which contains the information about the active data provider and the grid on the worksheet.

Syntax

HypGetPOVCount()

Return Value

Returns the number of dimensions in the POV if successful; otherwise, returns the appropriate error code.

Example

```
Declare Function HypGetPOVCount Lib "HsAddin" () As Long
Sub Example_HypGetPOVCount()
  Dim vtGrid As Variant
  Sts = HypConnect(Empty, "UserName", "Password", "MyDemoBasic")
  Sts = HypRetrieve(Empty)
  Range ("B2"). Select
  Sts = HypGetSourceGrid (Empty, vtGrid)
  Sts = HypGetPOVCount ()
End sub
```

HypGetRowItems

Describes the Oracle Smart View for Office VBA function, HypGetRowItems.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypGetRowltems() returns the members present for the nth row dimension in the dynamic link query.





It is assumed that a call has already been made to HypGetSourceGrid to initialize the dynamic link query, which contains the information about the active data provider and the grid on the worksheet.

Syntax

HypGetRowItems(vtRowID, vtDimensionName, vtMemberNames)

ByVal vtRowID As Variant

ByRef vtDimensionName As Variant

ByRef vtMemberNames As Variant

Parameters

vtRowID: The row number *n*.

vtDimensionName: Output parameter; the nth row dimension name

vtMemberNames: Output parameter; the members for the nth row dimensions

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

End sub

```
Declare Function HypGetRowItems Lib "HsAddin" (ByVal vtRowID As Variant,
ByRef vtDimensionName As Variant, ByRef vtMemberNames As Variant) As Long
Sub Example_HypGetRowItems()
  Dim vtGrid As Variant
  Dim vtDimName As Variant
  Dim vtMembers As Variant
  Sts = HypConnect(Empty, "UserName", "Password", "DemoBasic_Connection")
  Sts = HypRetrieve(Empty)
  Range ("B2").Select
  Sts = HypGetSourceGrid (Empty, vtGrid)
  Sts = HypGetRowItems(1, vtDimName, vtMembers)
```

HypSetRowItems

Describes the Oracle Smart View for Office VBA function, HypSetRowltems.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)



Description

Sets the members for the nth row dimension for this dynamic link query. If the nth row does not exist, a new row is appended.



(i) Note

It is assumed that a call has already been made to HypGetSourceGrid to initialize the dynamic link query, which contains the information about the active data provider and the grid on the worksheet.

Syntax

HypSetRowItems (vtRowID, vtDimensionName, ParamArray MemberList())

ByVal vtRowID As Variant

ByVal vtDimensionName As Variant

ParamArray MemberList() As Variant

Parameters

vtRowID: The row number *n*

vtDimensionName: The dimension name

ParamArray MemberList: The list of member names

Return Value

Long. Returns 0 if successful; otherwise, returns the appropriate error code.

Example

End sub

```
Declare Function HypSetRowItems Lib "HsAddin" (ByVal vtRowID As Variant,
ByVal vtDimensionName As Variant, ParamArray MemberList() As Variant) As Long
Sub Example_HypSetRowItems()
  Dim vtGrid As Variant
  Sts = HypConnect(Empty, "UserName", "Password", "DemoBasic")
  Sts = HypRetrieve(Empty)
  Range ("B2").Select
  Sts = HypGetSourceGrid (Empty, vtGrid)
  Sts = HypSetRowItems(1, "Product", "100", "200", "300", "400", "Diet",
"Product")
```

HypGetColltems

Describes the Oracle Smart View for Office VBA function, HypGetColItems.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)



On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypGetColltems() returns the members present in the dynamic link query for the nth column dimensions.



(i) Note

It is assumed that a call has already been made to HypGetSourceGrid to initialize the dynamic link query, which contains the information about the active data provider and the grid on the worksheet.

Syntax

HypGetColltems(vtColID, vtDimensionName, vtMemberNames)

ByVal vtColID As Variant

ByRef vtDimensionName As Variant

ByRef vtMemberNames As Variant

Parameters

vtCollD: The column number n

vtDimensionName: Returns the nth column dimension name

vtMemberNames: Returns members for the nth column dimensions

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Declare Function HypGetColItems Lib "HsAddin" (ByVal vtColID As Variant,
ByRef vtDimensionName As Variant, ByRef vtMemberNames As Variant) As Long
```

```
Sub Example_HypGetColItems()
  Dim vtGrid As Variant
  Dim vtDimensionName As Variant
  Dim vtMembers As Variant
  Sts = HypConnect(Empty, "UserName", "Password", "AnamikaDemoBasic")
  Sts = HypRetrieve(Empty)
  Range ("B2").Select
  Sts = HypGetSourceGrid (Empty, vtGrid)
  Sts = HypGetColItems(1, vtDimensionName, vtMemberNames)
End sub
```



HypSetColltems

Describes the Oracle Smart View for Office VBA function, HypSetColltems.

Cloud data provider types: Oracle Essbase, Planning, Planning Modules, Financial Consolidation and Close, Tax Reporting

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning, Oracle Hyperion Financial Management

Description

HypSetColltems() sets the members for the nth column dimension for the dynamic link query. If the nth column does not exist, a new column is appended.



(i) Note

It is assumed that a call has already been made to HypGetSourceGrid to initialize the dynamic link query, which contains the information about the active data provider and the grid on the worksheet.

Syntax

HypSetColltems (vtColID, vtDimensionName, ParamArray MemberList())

ByVal vtCoIID As Variant

ByVal vtDimensionName As Variant

ParamArray MemberList() As Variant

Parameters

vtColID: The column number n

vtDimensionName: The dimension name

ParamArray MemberList: The list of member names

Return Value

Long. Returns 0 if successful, otherwise, returns the appropriate error code.

```
Declare Function HypSetColItems Lib "HsAddin" (ByVal vtColID As Variant,
ByVal vtDimensionName As Variant, ParamArray MemberList() As Variant) As Long
Sub Example_HypSetColItems()
  Dim vtGrid As Variant
  Sts = HypConnect(Empty, "Username", "Password", "SalesDemoBasic")
  Sts = HypRetrieve(Empty)
  Range("B2").Select
  Sts = HypGetSourceGrid(Empty, vtGrid)
  Sts = HypSetColItems(1, "Market", "East", "West", "South", "Central",
```



"Market") End Sub

HypGetPOVItems

Describes the Oracle Smart View for Office VBA function, HypGetPOVItems.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypGetPOVItems() returns the dimensions in the POV and the currently selected member for each dimension.



Note

It is assumed that a call has already been made to HypGetSourceGrid to initialize the dynamic link query, which contains the information about the active data provider and the grid on the worksheet.

Syntax

HypGetPOVItems(vtDimensionNames, vtPOVNames)

ByRef vtDimensionNames As Variant

ByRef vtPOVNames As Variant

Parameters

vtDimensionNames: The dimension names in the POV

vtPOVNames: The currently selected member for each dimension in the POV.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Declare Function HypGetPOVItems Lib "HsAddin" (ByRef vtDimensionNames As
Variant, ByRef vtPOVNames As Variant) As Long
Sub Example_HypGetPOVItems()
  Dim vtGrid As Variant
  Dim vtDimNames As Variant
  Dim vtPOVNames As Variant
  Sts = HypConnect(Empty, "UserName", "Password", "MyDemoBasic")
  Sts = HypRetrieve(Empty)
  Range ("B2").Select
  Sts = HypGetSourceGrid (Empty, vtGrid)
```



```
Sts = HypGetPOVItems (vtDimNames, vtPOVNames) 
End sub
```

HypSetPOVItems

Describes the Oracle Smart View for Office VBA function, HypSetPOVItems.

Cloud data provider types: Oracle Essbase, Planning (ad hoc only), Planning Modules (ad hoc only), Financial Consolidation and Close (ad hoc only), Tax Reporting (ad hoc only)

On-premises data provider types: Oracle Essbase, Oracle Hyperion Planning (ad hoc only), Oracle Hyperion Financial Management (ad hoc only)

Description

HypSetPOVItems() sets the POV dimensions for the dynamic link query.



It is assumed that a call has already been made to HypGetSourceGrid to initialize the dynamic link query, which contains the information about the active data provider and the grid on the worksheet.

Syntax

HypSetPOVItems (ParamArray MemberList())

ParamArray MemberList() As Variant

Parameters

ParamArray MemberList(): The list of desired POV items in the form Dimension#Current Member

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Declare Function HypSetPOVItems Lib "HsAddin" (ParamArray MemberList() As
Variant) As Long
Sub Example_HypSetPOVItems()
   Dim vtGrid As Variant
   Sts = HypConnect(Empty, "UserName", "Password", "MyDemoBasic")
   Sts = HypRetrieve(Empty)
   Range ("B2").Select
   Sts = HypGetSourceGrid (Empty, vtGrid)
   Sts = HypSetPOVItems ("Scenario#Scenario", "Measures#Measures")
End sub
```

MDX Query Functions

Describes the Oracle Smart View for Office MDX query functions.

Related Topics

About MDX

Multidimensional Expressions (MDX) language is used to develop scripts or applications to query and report against data and metadata in Oracle Essbase databases.

HypExecuteMDXEx

Describes the Oracle Smart View for Office VBA function, HypExecuteMDXEx.

About MDX

Multidimensional Expressions (MDX) language is used to develop scripts or applications to query and report against data and metadata in Oracle Essbase databases.

For information about MDX, see the Essbase documentation set.

HypExecuteMDXEx

Describes the Oracle Smart View for Office VBA function, HypExecuteMDXEx.

Cloud data provider types: Oracle Essbase

On-premises data provider types: Oracle Essbase

Description

HypExecuteMDXEx() executes an MDX query whose results are output in a data structure but are not displayed on the worksheet. (If you want to display the query results on a worksheet, use HypExecuteQuery instead.)

Syntax

```
HypExecuteMDXEx (
ByVal vtSheetName As Variant,
ByVal vtQuery As Variant,
ByVal vtBoolHideData As Variant,
ByVal vtBoolDataLess As Variant,
ByVal vtBoolNeedStatus As Variant,
ByVal vtMbrIDType As Variant,
ByVal vtAliasTable As Variant,
ByRef outResult As MDX_AXES_NATIVE
) As Long
```



Parameters

vtSheetName: The name of worksheet on which to run the function. If vtSheetName is Null or Empty, the active worksheet is used.

vtQuery: The MDX query to be executed

vtBoolHideData: The Boolean flag to hide or unhide data in the result

vtBoolDataLess: The Boolean flag to get or avoid data in the result

vtBoolNeedStatus: The Boolean flag to get or avoid status info in the result

vtMbrIDType: The member type identifier for the result (name or alias)

vtAliasTable: The alias table to be used

outResult: Pointer to a structure of type MDX_AXES. It contains the query output. (See <u>Data Types Specific to HypExecuteMDXEx</u> for data types and support functions for this API.)

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Data Types Specific to HypExecuteMDXEx

The following data types apply exclusively to HypExecuteMDXEx:

MDX_CELL: The data type corresponding to a cell

MDX_PROPERTY: The data type containing properties info for members and dimensions

MDX_MEMBER: The data type for members information

MDX_DIMENSION: The data type for dimensions information

MDX_CLUSTER: The data type for cluster information

MDX AXIS: The data type representing an axis

MDX AXES: The root level structure containing a collection of axes and cells

MDX_AXES_NATIVE: The data type used as an out parameter for HypExecuteMDXEx. This structure should be converted to MDX_AXES using procedure GetVBCompatibleMDXStructure.

Example

Sub GetVBCompatibleMDXStructure(ByRef inStruct As MDX_AXES_NATIVE, ByRef outStruct As MDX_AXES)

Public Declare Function HypExecuteMDXEx Lib "HsAddin" (ByVal vtSheetName As Variant, ByVal vtQuery As Variant, ByVal vtBoolHideData As Variant, ByVal vtBoolDataLess As Variant, ByVal vtBoolNeedStatus As Variant, ByVal vtMbrIDType As Variant, ByVal vtAliasTable As Variant, ByRef outResult As MDX_AXES_NATIVE) As Long

Sub Example_HypExecuteMDXEx()

Dim Query As Variant
Dim vtBoolHideData As Variant



```
Dim vtBoolDataLess As Variant
Dim vtBoolNeedStatus As Variant
Dim vtMbrIDType As Variant
Dim vtAliasTable As Variant
Dim result_Native As MDX_AXES_NATIVE
Dim result_VBCompatible As MDX_AXES
Query = "select {Jan} on COLUMNS, {Profit} on ROWS from Sample.Basic"
vtBoolHideData = True
vtBoolDataLess = True
vtBoolNeedStatus = True
vtMbrIDType = "alias"
vtAliasTable = "none"
sts = HypConnect(Empty, "UserName", "Password", "SB")
If sts = 0 Then
sts = HypExecuteMDXEx(Empty, Query, vtBoolHideData, vtBoolDataLess,
vtBoolNeedStatus, vtMbrIDType, vtAliasTable, result_Native)
sts = GetVBCompatibleMDXStructure(result_Native, result_VBCompatible)
sts = HypDisconnect(Empty, True)
Else
End If
End Sub
```

Oracle Journals for Financial Management Functions

Describes the Oracle Smart View for Office Oracle Journals for Oracle Hyperion Financial Management VBA functions.

Related Topics

- About Oracle Journals for Financial Management Functions
 VBA functions support operations when connected to an Oracle Hyperion Financial Management data source.
- Registering the Oracle Journals VBA Functions Using RegAsm
 Before you begin creating and editing VBA functions for Oracle Journals for Financial Management, you must register the Oracle Journals for Financial Management DLL using RegAsm.
- Preparing to Work with Oracle Journals for Financial Management Functions
 Continue the setup process for creating and editing VBA functions for Oracle Journals for Financial Management by adding references to the Journals type library.
- Instantiating an Oracle Journals for Financial Management Extension Object
 The Oracle Journals for Oracle Hyperion Financial Management extension exposes its automation interface through COM.
- Oracle Journals for Financial Management Extension Functions
 Describes the Oracle Smart View for Office Oracle Journals for Oracle Hyperion Financial Management VBA functions.

About Oracle Journals for Financial Management Functions

VBA functions support operations when connected to an Oracle Hyperion Financial Management data source.

To use the VBA functions in this chapter, Financial Management 11.1.2.4.204 with the 11.1.2.4.204 PSE 25575478 is required. Additionally, you must install Oracle Smart View for Office 11.1.2.5.700 and the Oracle Journals for Financial Management extension that is included with the 11.1.2.5.700 release.

You must complete the following procedures in order before you begin working with the VBA functions for Oracle Journals for Financial Management.

- 1. Registering the Oracle Journals VBA Functions Using RegAsm
- 2. Preparing to Work with Oracle Journals for Financial Management Functions
- 3. Instantiating an Oracle Journals for Financial Management Extension Object



Registering the Oracle Journals VBA Functions Using RegAsm

Before you begin creating and editing VBA functions for Oracle Journals for Financial Management, you must register the Oracle Journals for Financial Management DLL using RegAsm.

To register the Oracle Journals DLL using RegAsm:

1. Note the file location of the Oracle Journals DLL (Journals.dll); generally, located in:

```
%APPDATA%\Oracle\SmartView\extensions\Bin\Oracle.SmartView.SVFMJournal\bin
```

2. From Windows Explorer, navigate to the Oracle Smart View for Office installation directory; generally located in:

```
C:\Oracle\SmartView\bin
```

- 3. Copy the Oracle.SmartView.Interop.SVRC.dll file from this location to the Oracle Journals file location noted in step 1.
- 4. As administrator, open a command prompt and navigate to one of the following locations:
 - For Microsoft Office 64-bit:

```
C:\Windows\Microsoft.NET\Framework64\v4.0.30319
```

For Microsoft Office 32-bit:

```
C:\Windows\Microsoft.NET\Framework\v4.0.30319
```

5. Execute the following command:

```
regasm /codebase /tlb <file path from Step 1>\Journals.dll
You should see this message:
```

```
"Assembly exported to %APPDATA% \Oracle\SmartView\extensions\Bin\Oracle.SmartView.SVFMJournal\bin\Journals.tlb and the type library was registered successfully."
```

Any warnings can be ignored.

Continue with Preparing to Work with Oracle Journals for Financial Management Functions.



Preparing to Work with Oracle Journals for Financial **Management Functions**

Continue the setup process for creating and editing VBA functions for Oracle Journals for Financial Management by adding references to the Journals type library.



(i) Note

Before you begin this procedure, you must complete the steps in Registering the Oracle Journals VBA Functions Using RegAsm.

To add Oracle Journals for Oracle Hyperion Financial Management references:

- Start the Visual Basic Editor from a Microsoft Office application; for example, from Excel.
- Select **Tools**, then **References**.
- In Available References, check the reference Journals.

Continue with Instantiating an Oracle Journals for Financial Management Extension Object.

Instantiating an Oracle Journals for Financial Management **Extension Object**

The Oracle Journals for Oracle Hyperion Financial Management extension exposes its automation interface through COM.

To make an automation call, an Oracle Journals for Financial Management COM object must first be instantiated.

All Oracle Journals for Financial Management automation functions are defined in the IJournalVBA interface, and the JournalVBA class implements those functions. Therefore, in any Oracle Journals automation call, you must include the variable declarations that are described in the following procedure.



Note

Before you begin this procedure, you must first complete the steps in Registering the Oracle Journals VBA Functions Using RegAsm, and second, Preparing to Work with Oracle Journals for Financial Management Functions.

To create the variable declarations that will be included in all functions:

- Declare a variable of type IJournalVBA.
- Set the variable to an object of type JournalVBA.



The resulting lines are:

```
Dim jObj As IJournalVBA
Set jObj = New JournalVBA
```

Include the lines from the previous step in each of your functions.

You are ready to begin creating and working with the Oracle Journals for Financial Management functions. See <u>Oracle Journals for Financial Management Extension Functions</u> for a complete listing of the functions available and their usage.

Oracle Journals for Financial Management Extension Functions

Describes the Oracle Smart View for Office Oracle Journals for Oracle Hyperion Financial Management VBA functions.

Related Topics

ListJournals

Describes the Oracle Smart View for Office VBA function, ListJournals.

OpenJournal

Describes the Oracle Smart View for Office VBA function, OpenJournal.

SetJournalProperty

Describes the Oracle Smart View for Office VBA function, SetJournalProperty.

ListTemplates

Describes the Oracle Smart View for Office VBA function, ListTemplates.

CreateJournal

Describes the Oracle Smart View for Office VBA function, CreateJournal.

SaveJournal

Describes the Oracle Smart View for Office VBA function, SaveJournal.

PerformAction

Describes the Oracle Smart View for Office VBA function, PerformAction.

ValidateJournal

Describes the Oracle Smart View for Office VBA function, ValidateJournal.

ListJournals

Describes the Oracle Smart View for Office VBA function, ListJournals.

Description

ListJournals() lists all the available Oracle Hyperion Financial Management journals.

Syntax

Function ListJournals(

dims() As String,

dimVals() As String,

jrnIIDs() As String,

irnlLabels() As String



) As Long

Parameters

dims: An input argument. Provide the list of dimensions as an array of strings.

dimVals: An input argument. Provide the list of dimension values as an array of strings.

jrnIIDs: An output argument. Returns the Journal IDs as an array of strings.

jrnlLabels: An output argument. Returns the Journal Labels as an array of strings.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

Example

The following example sets the option to display no messages.

```
Public Declare Function HypConnect Lib "HsAddin" (ByVal vtSheetName As
Variant, ByVal vtUserName As Variant, ByVal vtPassword As Variant, ByVal
vtFriendlyName As Variant) As Long
Sub TestListJournals
'Connect to an HFM data source
HypConnect "Sheet1", "admin", "password", "connName"
Set jObj = New JournalVBA
         jObj.UseActiveConnectionContext
        dims(0) = HFM_JOURNAL_DIM_SCENARIO
dims(1) = HFM_JOURNAL_DIM_YEAR
        dims(2) = HFM_JOURNAL_DIM_PERIOD
        dims(3) = HFM_JOURNAL_DIM_VALUE
        dimVals(0) = "Actual"
        dimVals(1) = "2022"
        dimVals(2) = "January"
        dimVals(3) = "<Entity Curr Adjs>"
        Dim jrnlIds() As String
        Dim jrnlLabels() As String
    Dim retVal as Long
        retVal = jObj.ListJournals(dims, dimVals, jrnlIds, jrnlLabels)
        If retVal = 0 Then
        Debug.Print "Following are the Journal IDs and their Labels..."
        Debug.Print "Journal Id
                                       Name"
        Dim i As Integer
        For i = 0 To UBound(jrnlIds)
            Debug.Print Spc(5); jrnlIds(i); Spc(10); jrnlLabels(i)
        Next
        Else
        Debug.Print "ListJournals Failed!!!"
```

End If



End Sub

OpenJournal

Describes the Oracle Smart View for Office VBA function, OpenJournal.

Description

OpenJournal() Opens the specified journal.

Syntax

```
Function OpenJournal(
jrnID As String,
dims() As String,
dimVals () As String
) As Long
```

Parameters

jrnIID: An input argument. Provide the journal ID of the journal to be opened. Journals IDs can be obtained by calling ListJournals().

dims: An input argument. Provide the list of dimensions as an array of strings.

dimVals: An input argument. Provide the list of dimension values as an array of strings.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Sub OpenJournal
'Firstly, get the list of Journals
ListJournals

Dim jrnlID As String
jrnlID = 1

    retVal = jObj.OpenJournal(jrnlID, dims, dimVals)

    If retVal = 0 Then
        Debug.Print "OpenJournal Succeeded"
        Else
        Debug.Print "OpenJournal Failed!!!"
        End If
End Sub
```



SetJournalProperty

Describes the Oracle Smart View for Office VBA function, SetJournalProperty.

Description

SetJournalProperty() sets the specified properties for the currently open journal.

Syntax

```
Function SetJournalProperty(
sheetName As String,
props() As String,
propVals() As String
) As Long
```

Parameters

sheetName: An input argument. Provide the name of the sheet in which a Journal is open.

props: An input argument. Provides the list of properties as an array of strings.

propVals: An input argument. Provide the list of property values as an array of strings.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Public Declare Function HypRetrieve Lib "HsAddin" (ByVal vtSheetName As
Variant) As Long
Sub SetJournalProperty()
    Dim props(6) As String
    props(0) = HFM_JOURNALPROP_LABEL
    props(1) = HFM_JOURNALPROP_DESCRIPTION
    props(2) = HFM_JOURNALPROP_TYPE
    props(3) = HFM_JOURNALPROP_BALANCE_TYPE
    props(4) = HFM_JOURNALPROP_GROUP
    props(5) = HFM_JOURNALPROP_SECURITY
    props(6) = HFM_JOURNALPROP_READONLY
    Dim propVals(6) As String
    propVals(0) = "J001"
    propVals(1) = "Test1"
    propVals(2) = HFM_JOURNALPROP_TYPE_REGULAR
    propVals(3) = HFM_JOURNALPROP_BALANCETYPE_BALANCED
    propVals(4) = HFM_JOURNALPROP_GROUP_ALLOCATION
    propVals(5) = HFM_JOURNALPROP_SECURITY_ACCOUNTS
    propVals(6) = "0"
    Dim retVal As Long
    Set jObj = New JournalVBA
```



ListTemplates

Describes the Oracle Smart View for Office VBA function, ListTemplates.

Description

ListTemplates() lists all the available journal templates.

Syntax

```
Function ListTemplates(
templateType() As String,
templateName() As String
) As Long
```

Parameters

templateType: An output argument. Returns the available template types(Standard or Recurring) as an array of strings.

templateName: An output argument. Returns the template names an array of strings.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.



CreateJournal

Describes the Oracle Smart View for Office VBA function, CreateJournal.

Description

CreateJournal() creates a blank journal or a journal based on a Standard or Recurring template.

Syntax

```
Function CreateJournal(
dims() As String,
dimVals () As String,
templateType As String,
templateNames() As String
) As Long
```

Parameters

dims: An input argument. Provide the list of dimensions as an array of strings.

dimVals: An input argument. Provide the list of dimension values as an array of strings.

templateType: An input argument. Value is one of the following:

- HFM_JOURNAL_TEMPLATE_TYPE_BLANK
- HFM_JOURNAL_TEMPLATE_TYPE_STANDARD
- HFM_JOURNAL_TEMPLATE_TYPE_RECURRING

These are defined in HFMJournalVBA.bas.

templateNames: An input argument. Provide the template names as an array of strings.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.



Example

```
Sub CreateJournal
'Connect to an HFM data source
HypConnect "Sheet1", "admin", "password", "connName"
Set jObj = New JournalVBA
jObj.UseActiveConnectionContext
dims(0) = HFM_JOURNAL_DIM_SCENARIO
dims(1) = HFM_JOURNAL_DIM_YEAR
        dims(2) = HFM_JOURNAL_DIM_PERIOD
        dims(3) = HFM_JOURNAL_DIM_VALUE
        dimVals(0) = "Actual"
        dimVals(1) = "2022"
        dimVals(2) = "January"
dimVals(3) = "<Entity Curr Adjs>"
        Dim templateNames(0) As String
        templateNames(0) = "Template1"
retVal = jObj.CreateJournal(dims, dimVals,
HFM_JOURNAL_TEMPLATE_TYPE_STANDARD, templateNames)
        If retVal = 0 Then
        Debug.Print "Create Journal from Template Succeeded"
        Debug.Print "Create Journal from Template Failed!!!"
        End If
End Sub
```

SaveJournal

Describes the Oracle Smart View for Office VBA function, SaveJournal.

Description

SaveJournal() saves a journal on the Oracle Hyperion Financial Management server.

Syntax

```
Function SaveJournal(
props() As String,
propVals() As String,
dims() As String,
dimVals () As String
) As Long
```

Parameters

props: An input argument. Provide the list of properties as an array of strings.



propVals: An input argument. Provide the list of property values as an array of strings.

dims: An input argument. Provide the list of dimensions as an array of strings.

dimVals: An input argument. Provide the list of dimension values as an array of strings.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Sub SaveJournal()
Connect to an HFM data source
HypConnect "Sheet1", "admin", "password", "connName"
Set jObj = New JournalVBA
jObj.UseActiveConnectionContext
        Dim props(6) As String
        props(0) = HFM_JOURNALPROP_LABEL
        props(1) = HFM JOURNALPROP DESCRIPTION
        props(2) = HFM JOURNALPROP TYPE
        props(3) = HFM_JOURNALPROP_BALANCE_TYPE
        props(4) = HFM_JOURNALPROP_GROUP
        props(5) = HFM_JOURNALPROP_SECURITY
        props(6) = HFM JOURNALPROP READONLY
        Dim propVals(6) As String
        propVals(0) = "J001"
        propVals(1) = "Test1"
        propVals(2) = HFM JOURNALPROP TYPE REGULAR
        propVals(3) = HFM JOURNALPROP BALANCETYPE BALANCED
        propVals(4) = HFM JOURNALPROP GROUP ALLOCATION
        propVals(5) = HFM_JOURNALPROP_SECURITY_ACCOUNTS
        propVals(6) = "0"
    dims(0) = HFM JOURNAL DIM SCENARIO
        dims(1) = HFM JOURNAL DIM YEAR
        dims(2) = HFM_JOURNAL_DIM_PERIOD
        dims(3) = HFM JOURNAL DIM VALUE
        dimVals(0) = "Actual"
        dimVals(1) = "2022"
        dimVals(2) = "March"
        dimVals(3) = "<Entity Curr Adjs>"
        retVal = jObj.SaveJournal(props, propVals, dims, dimVals)
        If retVal = 0 Then
        Debug.Print "SaveJournal Succeeded"
        Else
        Debug.Print "SaveJournal Failed!!!"
        End If
End Sub
```



PerformAction

Describes the Oracle Smart View for Office VBA function, PerformAction.

Description

PerformAction() performs one of the following operations: POST, UNPOST, SUBMIT, UNSUBMIT, APPROVE, REJECT or DELETE.

Syntax

```
Function PerformAction(
action As String
) As Long
```

Parameters

```
action: An input argument. Value is one of the following:

HFM_JOURNAL_ACTION_POST or

HFM_JOURNAL_ACTION_UNPOST or

HFM_JOURNAL_ACTION_SUBMIT or

HFM_JOURNAL_ACTION_UNSUBMIT or

HFM_JOURNAL_ACTION_APPROVE or

HFM_JOURNAL_ACTION_REJECT or

HFM_JOURNAL_ACTION_DELETE.

These are defined in HFMJournalVBA. bas.
```

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Sub TestPerformAction()
   Set jObj = New JournalVBA

retVal = jObj.PerformAction(HFM_JOURNAL_ACTION_UNSUBMIT)
   If retVal = 0 Then
        Debug.Print "PerformAction Succeeded."
   Else
        Debug.Print "PerformAction Succeeded!!!"
   End If
End Sub
```



ValidateJournal

Describes the Oracle Smart View for Office VBA function, ValidateJournal.

Description

ValidateJournal() validates dimensions, members, and journal properties by communicating with Oracle Hyperion Financial Management server.

Syntax

```
Function ValidateJournal(
errNames() As String,
errValues() As String
) As Long
```

Parameters

errNames: An output argument. Returns the categories of validations that failed as an array of strings.

errValues: An output argument. Returns which validation failed as an array of strings.

Return Value

Returns 0 if successful; otherwise, returns the appropriate error code.

```
Sub TestValidateJournal()
   'Call TestCreateJournal
  TestCreateJournal
  Dim errNames() As String
  Dim errValues() As String
  retVal = jObj.ValidateJournal(errNames, errValues)
  If retVal = 0 Then
     Debug.Print "Validation Succeeded"
     If (Not Not errNames) <> 0 Then
         Debug.Print "Following are the Validation Errors"
         Debug.Print "Error Type
                                       Description"
         Dim i As Integer
         For i = 0 To UBound(errNames)
            Debug.Print errNames(i); Spc(10); errValues(i)
        Next
     Else
         Debug. Print "No Validation Errors."
     End If
  Debug.Print "ValidateJournal Failed: " + GetErrorMessage(retVal)
End If
End Sub
```

Oracle Analytics Cloud Functions

Related Topics

- About Oracle Analytics Cloud Functions
 - VBA functions support Oracle Smart View for Office operations when connected to an Oracle Analytics Cloud data source.
- Preparing to Work with Oracle Analytics Cloud Functions
 Before you begin creating and editing VBA functions for Oracle Analytics Cloud, you must first add references to the Oracle Smart View BI Extension type library and Oracle Smart View for Office type library.
- Instantiating an Oracle Smart View BI Extension Object
 The Oracle Smart View BI Extension exposes its automation interface through COM interface. To make an automation call to Oracle Smart View BI Extension, an Oracle Smart View BI Extension COM object must first be instantiated.
- Oracle Smart View BI Extension Functions

 Describes the Oracle Smart View for Office BI extension VBA functions.

About Oracle Analytics Cloud Functions

VBA functions support Oracle Smart View for Office operations when connected to an Oracle Analytics Cloud data source.

Preparing to Work with Oracle Analytics Cloud Functions

Before you begin creating and editing VBA functions for Oracle Analytics Cloud, you must first add references to the Oracle Smart View BI Extension type library and Oracle Smart View for Office type library.

To add Oracle Smart View BI Extensionand Smart View references:

- 1. Start the Visual Basic Editor from a Microsoft Office application; for example, from Excel.
- Select Tools, then References.
- In Available References, check the following items:
 - Oracle Smart View BI Extension
 - Oracle SmartView RC 1.0 Type Library
- 4. Click OK.

Continue with Instantiating an Oracle Smart View BI Extension Object.



Instantiating an Oracle Smart View BI Extension Object

The Oracle Smart View BI Extension exposes its automation interface through COM interface. To make an automation call to Oracle Smart View BI Extension, an Oracle Smart View BI Extension COM object must first be instantiated.

All Oracle Analytics Cloud automation functions are defined in the IBIReport interface, and the SmartViewOBIEEAutomation class implements those functions. Therefore, in any Oracle Analytics Cloud automation call, you must include the variable declarations that are described in the following procedure.

To create the variable declarations that will be included in all functions:

- **1.** Declare a variable of type IBIReport.
- 2. Set the variable to an object of type SmartViewOBIEEAutomation.

The resulting lines are:

```
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
```

3. Include the lines from step ep 2 in each of your functions.

You are ready to begin creating and working with the Oracle Smart View BI Extension functions. See <u>Oracle Analytics Cloud Functions</u> for a complete listing of the functions available and their usage.

Oracle Smart View BI Extension Functions

Describes the Oracle Smart View for Office BI extension VBA functions.

Related Topics

InsertView

Describes the Oracle Smart View for Office BI extension VBA function, InsertView.

EditPrompts

Describes the Oracle Smart View for Office BI extension VBA function, EditPrompts

EditPagePrompts

Describes the Oracle Smart View for Office BI extension VBA function, EditPagePrompts.

GetPagePrompts

Describes the Oracle Smart View for Office BI extension VBA function, GetPagePrompts.

Retrieve

Describes the Oracle Smart View for Office BI extension VBA function, Retrieve.

DeleteView

Describes the Oracle Smart View for Office BI extension VBA function, DeleteView.

AnalysisProperties

Describes the Oracle Smart View for Office BI extension VBA function, AnalysisProperties.

<u>DirProperties</u>

Describes the Oracle Smart View for Office BI extension VBA function, DirProperties.

InvokeMenu

Describes the Oracle Smart View for Office BI extension VBA function, InvokeMenu.



- CopyView
- PasteView

InsertView

Describes the Oracle Smart View for Office BI extension VBA function, InsertView.

Description

Insert an Oracle Analytics Cloud view into an Office application.

Syntax

Function InsertView(

connectionContext As String,

sourcePath As String,

viewName As String,

prompt() As BIReportPrompt,

format As SVREPORT_RENDER_FORMAT,

insertOption As SVREPORT_COMPOUND_VIEW_INSERT_OPTION) As Boolean

Parameters

connectionContext: The Oracle Analytics Cloud provider URL.

sourcePath: The location of the view in the Oracle Analytics Cloud Catalog.

To express the path of the view, in a web browser, access the Oracle Analytics Cloud Catalog, navigate to the view folder, and note the URL of the folder. The path of the folder can then be derived after decoding the folder URL (which is encoded with URL encoding). To specify a location of the view, include the analysis name in the path. For example, in the browser, the URL of a folder in Oracle Analytics Cloud is:

http://xxxx.com:xxxx/analytics/saw.dll?catalog#%7B%22location%22%3A%22%2Fusers%2Fadministrator%2Fsvc_auto_bugs%22%7D

Decoding the URL and the URL is changed to:

http://xxxx.com:xxxx/analytics/saw.dll?catalog#{"location":"/users/administrator/svc_auto_bugs"}

After getting the folder path, append the analysis name to the path. In the end, the path looks like.

/users/administrator/svc_auto_bugs/AnalysisName

viewName: The name of the view.

prompt: The prompts for inserting the view.

Prompts are an array of BIReportPrompt. BIReportPrompt is a class with only one member which is an array of strings. All prompt input should be converted to strings. The order of the



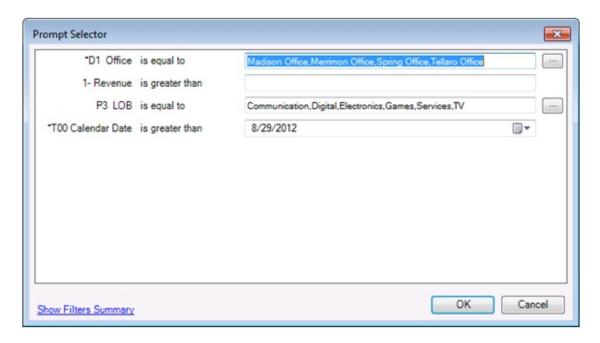
BIReportPrompt array should be same as the order of the prompts in the Prompt Selector dialog box.

For example, to specify prompt values for the prompts in the <u>Figure 1</u>, you must create an array of four BIReportPrompts:

- The first element contains the selection for "D1 Office"
- The second element is for "1 Revenue"
- The third element is for "P3 LOB"
- The fourth element is for "T00 Calendar Date"

The sample code follows Figure 1.

Figure 17-1 Prompt Selector Dialog Box with Selections for Office, Line of business, and Calendar Date



Dim prompts(0 To 3) As BIReportPrompt

```
Dim firstPrompt(0 To 3) As String
firstPrompt(0) = "Madison Office"
firstPrompt(1) = "Merrimon Office"
firstPrompt(2) = "Spring Office"
firstPrompt(3) = "Tellaro Office"
prompts(0).Values = firstPrompt

Dim secondPrompt(0 To 0) As String
secondPrompt(0) = "500"
prompts(1).Values = secondPrompt

Dim ThirdPrompt(0 To 5) As String
ThirdPrompt(0) = "Communication"
ThirdPrompt(1) = "Digital"
ThirdPrompt(2) = "Electronics"
```



```
ThirdPrompt(3) = "Games"
ThirdPrompt(4) = "Services"
ThirdPrompt(5) = "TV"
prompts(2).Values = ThirdPrompt

Dim FourthPrompt(0 To 0) As String
ForthPrompt(0) = "5/15/2009"
prompts(3).Values = ForthPrompt
```

format: The format to be rendered. Valid render format values are described in Table 1.

Table 17-1 Render Formats and View Types

Render Format Value	View Types to be Used
Default_Format	All Views
ExcelPivot	Pivot Table View Only
ExcelTable	Table View Only
Image	Chart View Only

insertOption: For compound views only. This option specifies how to insert all the views in a compound view and is ignored for individual views.

Valid values:

- NewSheet—Inserts each view in the compound view in a new sheet.
- SameSheet—Inserts each view in the compound view in the same sheet.

Return Value

Indicates if the operation succeeds or not.

```
Sub InsertTableTest()
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
Dim prompts() As BIReportPrompt
obiee.InsertView "http://xxx.com:xxxx/analytics/jbips", "/shared/SmartView/OBIEE/sv_vba_dev", "tableView!1", prompts, Default_Format, NewSheet
End Sub
Sub InsertPromptTableTest()
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
Dim prompts(0 To 3) As BIReportPrompt
Dim firstPrompt(0 To 3) As String
firstPrompt(0) = "Madison Office"
firstPrompt(1) = "Merrimon Office"
```



```
firstPrompt(2) = "Spring Office"
firstPrompt(3) = "Tellaro Office"
prompts(0).Values = firstPrompt
Dim secondPrompt(0 To 0) As String
secondPrompt(0) = "500"
prompts(1).Values = secondPrompt
Dim ThirdPrompt(0 To 5) As String
ThirdPrompt(0) = "Communication"
ThirdPrompt(1) = "Digital"
ThirdPrompt(2) = "Electronics"
ThirdPrompt(3) = "Games"
ThirdPrompt(4) = "Services"
ThirdPrompt(5) = "TV"
prompts(2).Values = ThirdPrompt
Dim FourthPrompt(0 To 0) As String
ForthPrompt(0) = "5/15/2009"
prompts(3).Values = ForthPrompt
obiee.InsertView "http://xxx.com:xxxx/analytics/jbips","/shared/SmartView/
sv_vba_dev/promptAllTypes", "tableView!1", prompts, Default_Format, SameSheet
End Sub
```

EditPrompts

Describes the Oracle Smart View for Office BI extension VBA function, EditPrompts

Description

Edit prompts of a view.

Syntax

Function EditPrompts(
objID As String,
prompt() As BIReportPrompt

) As Boolean

Parameters

objID: The ID of the view to be edited. If an empty ID is passed, the selected view will be used.

prompt: Same as the "prompt" parameter in InsertView.

Return Value

Indicates if the operation succeeds or not.

Example

Sub EditPromptTableTest()



```
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
Dim prompts(0 To 3) As BIReportPrompt
Dim firstPrompt(0 To 3) As String
firstPrompt(0) = "Madison Office"
firstPrompt(1) = "Merrimon Office"
firstPrompt(2) = "Spring Office"
firstPrompt(3) = "Tellaro Office"
prompts(0).Values = firstPrompt
Dim secondPrompt(0 To 0) As String
secondPrompt(0) = "500"
prompts(1).Values = secondPrompt
Dim ThirdPrompt(0 To 5) As String
ThirdPrompt(0) = "Communication"
ThirdPrompt(1) = "Digital"
ThirdPrompt(2) = "Electronics"
ThirdPrompt(3) = "Games"
ThirdPrompt(4) = "Services"
ThirdPrompt(5) = "TV"
prompts(2).Values = ThirdPrompt
Dim ForthPrompt(0 To 0) As String
ForthPrompt(0) = "8/15/2009"
prompts(3).Values = ForthPrompt
obiee.EditPrompts Empty, prompts
```

EditPagePrompts

Describes the Oracle Smart View for Office BI extension VBA function, EditPagePrompts.

Description

Edit the page selections of a view.

Syntax

Function EditPagePrompts(
objID As String,
pageSelections() As String
) As Boolean

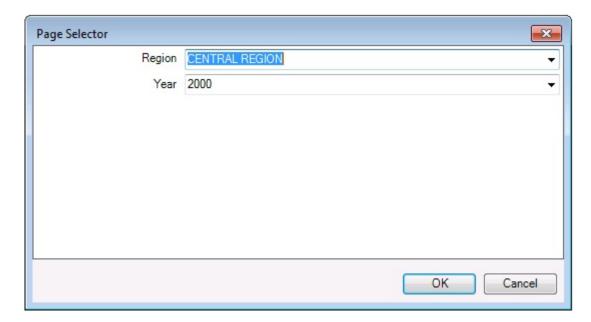
Parameters

objID: The IDid of the view to be edited. If an empty ID is passed, the selected view will be used.



pageSelections: The order of the page selection stored in the string array should be same as the order the page selections appear in the Page Selector dialog box. For example, to specify the page selections shown in <u>Figure 1</u>, use the sample code that follows the figure.

Figure 17-2 Page Selector Dialog Box with Selections for Region and Year



```
Dim pageSelections(0 To 1) As String
pageSelections (0) = "CENTRAL REGION"
pageSelections (1) = "2000"
```

Return Value

Indicates if the operation succeeds or not.

```
Sub EditPagePromptTest()
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
Dim pages(0 To 1) As String
pages(0) = "CENTRAL REGION"
pages(1) = "2000"
obiee.EditPagePrompts Empty, pages
End Sub
```



GetPagePrompts

Describes the Oracle Smart View for Office BI extension VBA function, GetPagePrompts.

Description

Get page selections of a view.

Syntax

Function GetPagePrompts(

objID As String,

PageEdges() As String,

PageSelections() As String

) As Boolean

Parameters

objID: The ID of the view to get page selections from. If an empty ID is passed, the selected view will be used.

PageEdges: An output argument. Returns names of the page edges of the view.

PageSelections: An output argument. Returns the selected page values.

Return Value

Indicates if the operation succeeds or not.

Example

```
Sub TestGetPage()
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
Dim dims() As String
Dim pageSelections() As String
obiee.GetPagePrompts Empty, dims, pageSelections
End Sub
```

Retrieve

Describes the Oracle Smart View for Office BI extension VBA function, Retrieve.

Description

Refreshes Oracle Analytics Cloud content on the active sheet or workbook.

Syntax

Function Retrieve(



refreshAll As Boolean)

As BIRefreshStatus()

Parameters

refreshAll: If the value is True, the function will refresh all Oracle Analytics Cloud content in the entire workbook.

If the value is False, the function will only refresh the active document.

Return Value

An array of BIRefreshStatus. Each element in the array represents the result of refreshing of an Oracle Analytics Cloud view:

- BIRefreshStatus viewName member contains the name of the refreshed view
- isSuccess member indicates if the refresh succeeds or fails
- errMsg member contains the error message if refresh fails

```
Sub testRefresh()
Dim obiee As IBIReport3
Set obiee = New SmartViewOBIEEAutomation
'Call Refresh
Dim result As Variant
result = obiee.Retrieve(True)
'Check for failed refresh
Dim success As Boolean
success = True
Dim i As Integer
For i = LBound(result) To UBound(result)
   Dim status As BIRefreshStatus
    status = result(i)
    If status.isSuccess = False Then
        success = False
    End If
Next
If success = True Then
   MsqBox "Succeeded"
Else
    MsqBox "Failed"
End If
End Sub
```



DeleteView

Describes the Oracle Smart View for Office BI extension VBA function, DeleteView.

Description

Delete a view in an Office application.

Syntax

Function DeleteView(objID As String) As Boolean

Parameters

objID: The ID of the view to be deleted. If an empty ID is passed, the selected view will be used.

Return Value

Indicates if the operation succeeds or not.

Example

```
Sub DeleteViewTest()
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
obiee.DeleteView Empty
End Sub
```

AnalysisProperties

Describes the Oracle Smart View for Office BI extension VBA function, AnalysisProperties.

Description

Fetch the properties of an analysis.

Syntax

Function AnalysisProperties(

connectionContext As String,

sourcePath As String,

analysisName As String

) As SVReportProperty()

Parameters

connectionContext: The Oracle Analytics Cloud provider URL.

sourcePath: The path of the analysis.

analysisName: The name of the analysis.



Return Value

An array of SVReportProperty. Each element in the array represents one property of the analysis. SVReportProperty's name member contains the name of the property, and the value member contains the value of the property.

Example

```
Sub TestAnalysisProp()

Dim BIReport As IBIReport
Set BIReport = New SmartViewOBIEEAutomation

Dim result As Variant

result = BIReport.AnalysisProperties("http://xxx.com:xxxx/analytics/jbips","/shared/SmartView/OBIEE", "svdevusr")

End Sub
```

DirProperties

Describes the Oracle Smart View for Office BI extension VBA function, DirProperties.

Description

Fetch properties of a directory

Syntax

```
Function DirProperties (
connectionContext As String,
sourcePath As String,
) As SVReportProperty()
```

Parameters

connectionContext: The Oracle Analytics Cloud provider URL.

sourcePath: The path of the directory.

Return Value

Same as the return values of AnalysisProperties. An array of SVReportProperty. Each element in the array represents one property of the analysis. SVReportProperty's name member contains the name of the property, and the value member contains the value of the property.

```
Sub TestDirProp()
Dim BIReport As IBIReport
Set BIReport = New SmartViewOBIEEAutomation
```



```
Dim result As Variant
result = BIReport.DirProperties("http://xxx.com:xxxx/analytics/jbips","/
shared/SmartView/OBIEE/sv_vba_dev")
End Sub
```

InvokeMenu

Describes the Oracle Smart View for Office BI extension VBA function, InvokeMenu.

Description

Invoke Smart View Oracle BI EE extension menu ribbon.

Syntax

```
Sub InvokeMenu(
menuID As String
)
```

Parameters

menulD: The ID of the menu items. Valid values are listed in Table 1.

Table 17-2 Oracle BI EE Menu Items and IDs

Menu	ID
View Designer	ViewDesigner
Publish View	PublishView
Refresh	Refresh
Edit Prompts	EditPrompts
Edit Page Prompts	EditPage
Сору	CopyView
Paste	PasteView
Delete	DeleteView
Mask Data	MaskView
Mask Document Data	MaskDocumentView

```
Sub TestMenuInvoke()

Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation

obiee.InvokeMenu "ViewDesigner"

End Sub
```



CopyView

The CopyView function is not supported in the current release.

PasteView

The PasteView function is not supported in the current release.

Oracle BI EE Functions

Related Topics

- About Oracle BI EE Functions
- Instantiating an Oracle Smart View BI Extension Object
 The Oracle Smart View BI Extension exposes its automation interface through COM interface. To make an automation call to Oracle Smart View BI Extension, an Oracle Smart View BI Extension COM object must first be instantiated.
- Oracle Smart View BI Extension Functions

About Oracle BI EE Functions

VBA functions support Oracle Smart View for Office operations when connected to an Oracle Business Intelligence Enterprise Edition data source.

Preparing to Work with Oracle BI EE Functions

Before you begin creating and editing VBA functions for Oracle Business Intelligence Enterprise Edition, you must first add references to the Oracle Smart View BI Extension type library and Oracle Smart View for Office type library.

To add Oracle Smart View BI Extensionand Smart View references:

- 1. Start the Visual Basic Editor from a Microsoft Office application; for example, from Excel.
- 2. Select Tools, then References.
- 3. In Available References, check the following items:
 - Oracle Smart View BI Extension
 - Oracle SmartView RC 1.0 Type Library
- 4. Click OK.

Continue with Instantiating an Oracle Smart View BI Extension Object.

Instantiating an Oracle Smart View BI Extension Object

The Oracle Smart View BI Extension exposes its automation interface through COM interface. To make an automation call to Oracle Smart View BI Extension, an Oracle Smart View BI Extension COM object must first be instantiated.

All Oracle Business Intelligence Enterprise Edition automation functions are defined in the IBIReport interface, and the SmartViewOBIEEAutomation class implements those functions.



Therefore, in any Oracle BI EE automation call, you must include the variable declarations that are described in the following procedure.

To create the variable declarations that will be included in all functions:

- Declare a variable of type IBIReport.
- 2. Set the variable to an object of type SmartViewOBIEEAutomation.

The resulting lines are:

```
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
```

Include the lines from step 2 in each of your functions.

You are ready to begin creating and working with the Oracle Smart View BI Extension functions. See <u>Oracle Smart View BI Extension Functions</u> for a complete listing of the functions available and their usage.

Oracle Smart View BI Extension Functions

Related Topics

- InsertView
- EditPrompts
- EditPagePrompts
- GetPagePrompts
- Retrieve
- DeleteView
- AnalysisProperties
- DirProperties
- InvokeMenu
- CopyView
- PasteView

InsertView

Description

Insert an Oracle Business Intelligence Enterprise Edition view into an Office application.

Syntax

Function InsertView(

connectionContext As String,

sourcePath As String,

viewName As String,

prompt() As BIReportPrompt,



format As SVREPORT_RENDER_FORMAT,

insertOption As SVREPORT_COMPOUND_VIEW_INSERT_OPTION) As Boolean

Parameters

connectionContext: The Oracle BI EE provider URL.

sourcePath: The location of the view in the Oracle BI EE Catalog.

To express the path of the view, in a web browser, access the Oracle BI EE Catalog, navigate to the view folder, and note the URL of the folder. The path of the folder can then be derived after decoding the folder URL (which is encoded with URL encoding). To specify a location of the view, include the analysis name in the path. For example, in the browser, the URL of a folder in Oracle BI EE is:

```
http://xxxx.com:xxxx/analytics/saw.dll?catalog#%7B%22location%22%3A%22%2Fusers%2Fadministrator%2Fsvc_auto_bugs%22%7D
```

Decoding the URL and the URL is changed to:

```
http://xxxx.com:xxxx/analytics/saw.dll?catalog#{"location":"/users/
administrator/svc_auto_bugs"}
```

After getting the folder path, append the analysis name to the path. In the end, the path looks like:

```
/users/administrator/svc_auto_bugs/AnalysisName
```

viewName: The name of the view.

prompt: The prompts for inserting the view.

Prompts are an array of BIReportPrompt. BIReportPrompt is a class with only one member which is an array of strings. All prompt input should be converted to strings. The order of the BIReportPrompt array should be same as the order of the prompts in the Prompt Selector dialog box.

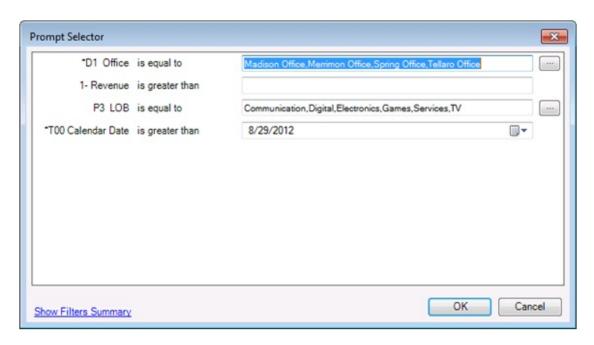
For example, to specify prompt values for the prompts in the <u>Figure 1</u>, you must create an array of four BIReportPrompts:

- The first element contains the selection for "D1 Office"
- The second element is for "1 Revenue"
- The third element is for "P3 LOB"
- The fourth element is for "T00 Calendar Date"

The sample code follows Figure 1.



Figure 18-1 Prompt Selector Dialog Box with Selections for Office, Line of business, and Calendar Date



Dim prompts(0 To 3) As BIReportPrompt Dim firstPrompt(0 To 3) As String firstPrompt(0) = "Madison Office" firstPrompt(1) = "Merrimon Office" firstPrompt(2) = "Spring Office" firstPrompt(3) = "Tellaro Office" prompts(0).Values = firstPrompt Dim secondPrompt(0 To 0) As String secondPrompt(0) = "500" prompts(1).Values = secondPrompt Dim ThirdPrompt(0 To 5) As String ThirdPrompt(0) = "Communication" ThirdPrompt(1) = "Digital" ThirdPrompt(2) = "Electronics" ThirdPrompt(3) = "Games" ThirdPrompt(4) = "Services" ThirdPrompt(5) = "TV" prompts(2).Values = ThirdPrompt Dim FourthPrompt(0 To 0) As String ForthPrompt(0) = "5/15/2009"prompts(3).Values = ForthPrompt

format: The format to be rendered. Valid render format values are described in Table 1.



Table 18-1 Render Formats and View Types

Render Format Value	View Types to be Used	
Default_Format	All Views	
ExcelPivot	Pivot Table View Only	
ExcelTable	Table View Only	
Image	Chart View Only	

insertOption: For compound views only. This option specifies how to insert all the views in a compound view and is ignored for individual views.

Valid values:

- NewSheet—Inserts each view in the compound view in a new sheet.
- SameSheet—Inserts each view in the compound view in the same sheet.

Return Value

Indicates if the operation succeeds or not.

Example

```
Sub InsertTableTest()
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
Dim prompts() As BIReportPrompt
obiee.InsertView "http://xxx.com:xxxx/analytics/jbips", "/shared/SmartView/
OBIEE/sv_vba_dev", "tableView!1", prompts, Default_Format, NewSheet
End Sub
Sub InsertPromptTableTest()
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
Dim prompts(0 To 3) As BIReportPrompt
Dim firstPrompt(0 To 3) As String
firstPrompt(0) = "Madison Office"
firstPrompt(1) = "Merrimon Office"
firstPrompt(2) = "Spring Office"
firstPrompt(3) = "Tellaro Office"
prompts(0).Values = firstPrompt
Dim secondPrompt(0 To 0) As String
secondPrompt(0) = "500"
prompts(1).Values = secondPrompt
Dim ThirdPrompt(0 To 5) As String
```

ThirdPrompt(0) = "Communication"



```
ThirdPrompt(1) = "Digital"
ThirdPrompt(2) = "Electronics"
ThirdPrompt(3) = "Games"
ThirdPrompt(4) = "Services"
ThirdPrompt(5) = "TV"
prompts(2).Values = ThirdPrompt

Dim FourthPrompt(0 To 0) As String
ForthPrompt(0) = "5/15/2009"
prompts(3).Values = ForthPrompt

obiee.InsertView "http://xxx.com:xxxx/analytics/jbips","/shared/SmartView/
sv_vba_dev/promptAllTypes", "tableView!1", prompts, Default_Format, SameSheet
End Sub
```

EditPrompts

Description

Edit prompts of a view.

Syntax

Function EditPrompts(
objID As String,
prompt() As BIReportPrompt
) As Boolean

Parameters

objID: The ID of the view to be edited. If an empty ID is passed, the selected view will be used. **prompt:** Same as the "prompt" parameter in InsertView.

Return Value

Indicates if the operation succeeds or not.

```
Sub EditPromptTableTest()
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
Dim prompts(0 To 3) As BIReportPrompt
Dim firstPrompt(0 To 3) As String
firstPrompt(0) = "Madison Office"
firstPrompt(1) = "Merrimon Office"
firstPrompt(2) = "Spring Office"
firstPrompt(3) = "Tellaro Office"
prompts(0).Values = firstPrompt
```



```
Dim secondPrompt(0 To 0) As String
secondPrompt(0) = "500"
prompts(1).Values = secondPrompt

Dim ThirdPrompt(0 To 5) As String
ThirdPrompt(0) = "Communication"
ThirdPrompt(1) = "Digital"
ThirdPrompt(2) = "Electronics"
ThirdPrompt(3) = "Games"
ThirdPrompt(4) = "Services"
ThirdPrompt(5) = "TV"

prompts(2).Values = ThirdPrompt

Dim ForthPrompt(0 To 0) As String
ForthPrompt(0) = "8/15/2009"
prompts(3).Values = ForthPrompt

obiee.EditPrompts Empty, prompts
```

EditPagePrompts

Description

Edit the page selections of a view.

Syntax

Function EditPagePrompts(
objID As String,
pageSelections() As String
) As Boolean

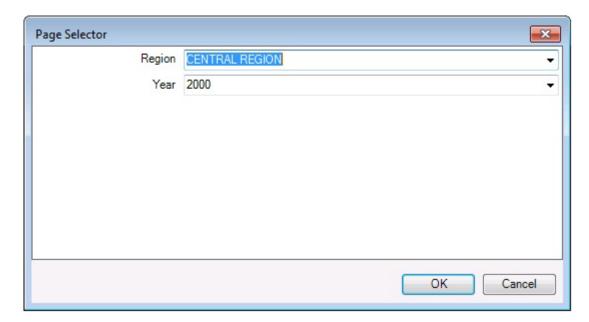
Parameters

objID: The IDid of the view to be edited. If an empty ID is passed, the selected view will be used.

pageSelections: The order of the page selection stored in the string array should be same as the order the page selections appear in the Page Selector dialog box. For example, to specify the page selections shown in Figure 1, use the sample code that follows the figure.



Figure 18-2 Page Selector Dialog Box with Selections for Region and Year



```
Dim pageSelections(0 To 1) As String
pageSelections (0) = "CENTRAL REGION"
pageSelections (1) = "2000"
```

Return Value

Indicates if the operation succeeds or not.

Example

```
Sub EditPagePromptTest()
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
Dim pages(0 To 1) As String
pages(0) = "CENTRAL REGION"
pages(1) = "2000"
obiee.EditPagePrompts Empty, pages
End Sub
```

GetPagePrompts

Description

Get page selections of a view.

Syntax

Function GetPagePrompts(



objID As String,

PageEdges() As String,

PageSelections() As String

) As Boolean

Parameters

objID: The ID of the view to get page selections from. If an empty ID is passed, the selected view will be used.

PageEdges: An output argument. Returns names of the page edges of the view.

PageSelections: An output argument. Returns the selected page values.

Return Value

Indicates if the operation succeeds or not.

Example

```
Sub TestGetPage()
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
Dim dims() As String
Dim pageSelections() As String
obiee.GetPagePrompts Empty, dims, pageSelections
End Sub
```

Retrieve

Description

Refreshes Oracle Business Intelligence Enterprise Edition content on the active sheet or workbook.

Syntax

Function Retrieve(

refreshAll As Boolean)

As BIRefreshStatus()

Parameters

refreshAll: If the value is True, the function will refresh all Oracle BI EE content in the entire workbook.

If the value is False, the function will only refresh the active document.



Return Value

An array of BIRefreshStatus. Each element in the array represents the result of refreshing of an Oracle BI EE view:

- BIRefreshStatus viewName member contains the name of the refreshed view
- isSuccess member indicates if the refresh succeeds or fails
- errMsg member contains the error message if refresh fails

Example

```
Sub testRefresh()
Dim obiee As IBIReport3
Set obiee = New SmartViewOBIEEAutomation
'Call Refresh
Dim result As Variant
result = obiee.Retrieve(True)
'Check for failed refresh
Dim success As Boolean
success = True
Dim i As Integer
For i = LBound(result) To UBound(result)
    Dim status As BIRefreshStatus
    status = result(i)
    If status.isSuccess = False Then
        success = False
    End If
Next
If success = True Then
    MsgBox "Succeeded"
    MsgBox "Failed"
End If
End Sub
```

DeleteView

Description

Delete a view in an Office application.

Syntax

Function DeleteView(objID As String) As Boolean

Parameters

objID: The ID of the view to be deleted. If an empty ID is passed, the selected view will be used.



Return Value

Indicates if the operation succeeds or not.

Example

```
Sub DeleteViewTest()
Dim obiee As IBIReport
Set obiee = New SmartViewOBIEEAutomation
obiee.DeleteView Empty
End Sub
```

AnalysisProperties

Description

Fetch the properties of an analysis.

Syntax

```
Function AnalysisProperties(
connectionContext As String,
sourcePath As String,
analysisName As String
) As SVReportProperty()
```

Parameters

connectionContext: The Oracle Business Intelligence Enterprise Edition provider URL.

sourcePath: The path of the analysis.

analysisName: The name of the analysis.

Return Value

An array of SVReportProperty. Each element in the array represents one property of the analysis. SVReportProperty's name member contains the name of the property, and the value member contains the value of the property.

```
Sub TestAnalysisProp()
Dim BIReport As IBIReport
Set BIReport = New SmartViewOBIEEAutomation
Dim result As Variant
result = BIReport.AnalysisProperties("http://xxx.com:xxxx/analytics/jbips","/shared/SmartView/OBIEE", "svdevusr")
```



End Sub

DirProperties

Description

Fetch properties of a directory

Syntax

```
Function DirProperties (
connectionContext As String,
sourcePath As String,
) As SVReportProperty()
```

Parameters

connectionContext: The Oracle Business Intelligence Enterprise Edition provider URL.

sourcePath: The path of the directory.

Return Value

Same as the return values of AnalysisProperties. An array of SVReportProperty. Each element in the array represents one property of the analysis. SVReportProperty's name member contains the name of the property, and the value member contains the value of the property.

Example

```
Sub TestDirProp()

Dim BIReport As IBIReport
Set BIReport = New SmartViewOBIEEAutomation

Dim result As Variant

result = BIReport.DirProperties("http://xxx.com:xxxx/analytics/jbips","/shared/SmartView/OBIEE/sv_vba_dev")

End Sub
```

InvokeMenu

Description

Invoke Smart View Oracle BI EE extension menu.

Syntax

Sub InvokeMenu(

menuID As String



)

Parameters

menulD: The ID of the menu items. Valid values are listed in Table 1.

Table 18-2 Oracle BI EE Menu Items and IDs

Menu	ID
View Designer	ViewDesigner
Publish View	PublishView
Refresh	Refresh
Edit Prompts	EditPrompts
Edit Page Prompts	EditPage
Сору	CopyView
Paste	PasteView
Delete	DeleteView
Mask Data	MaskView
Mask Document Data	MaskDocumentView

Example

```
Sub TestMenuInvoke()
    Dim obiee As IBIReport
    Set obiee = New SmartViewOBIEEAutomation
    obiee.InvokeMenu "ViewDesigner"
End Sub
```

CopyView

The CopyView function is not supported in the current release.

PasteView

The PasteView function is not supported in the current release.