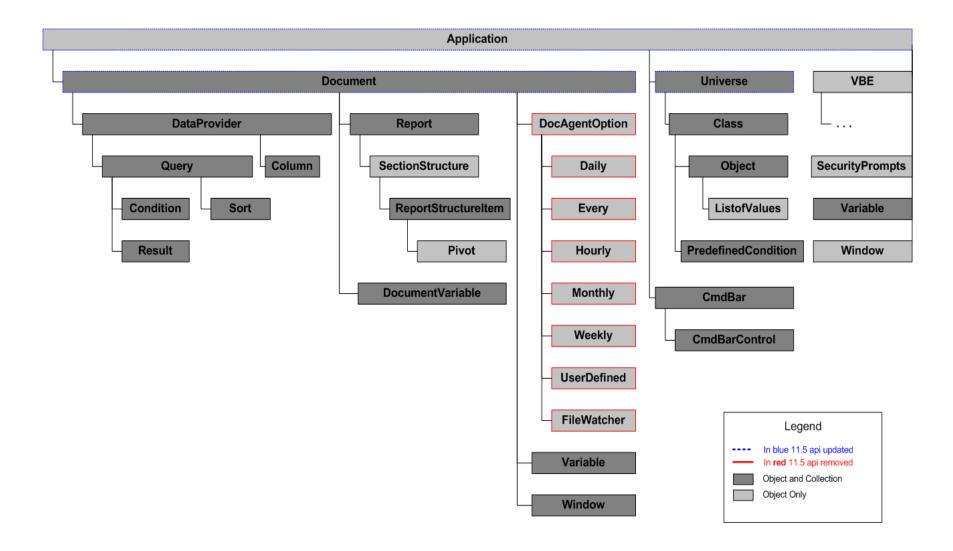
Desktop Intelligence SDK Object Model Diagrams

Desktop Intelligence Object Model - Overview



boUserMode

boSharedDataDirectory boTemplateDirectory boUniverseDirectory boTemporaryDirectory

Desktop Intelligence Object Model - Core

Application Application As Application (R) Parent As Object (R) ActiveDocument As Document (R) ActiveReport As Report (R) BreakOnVBAError As Boolean (R/W) Clipboard ClipBoard As ClipBoard (R) CmdBars As CmdBars (R) Documents As Documents (R) Application As Application (R) ExchangeDomain As String (R/W) Parent As Object (R) ExchangeMode As BoExchangeMode (R/W) Interactive As Boolean (R/W) Sub Clear() Language As String (R/W) Function GetData([Format As Variant]) As StdPicture Macros As Macros (R) Function GetFormat(Format As Long) As Boolean Name As String (R/W) Function GetText([Format As Variant]) As String Variable Universes As Universes (R) Sub SetData(Picture As StdPicture, [Format As Variant]) Variables As Variables (R) Sub SetText(Str As String, [Format As Variant]) Application As Application (R) VBE As VBE (R) Parent As Object (R) Version As String (R) Name As String (R/W) Visible As Boolean (R/W) Value As String (R/W) Window As Window (R) IsUserPrompt As Boolean (R) Variables PossibleValues As String (R) Function GetVersion((ByRef) Major As Integer, (ByRef) Minor As MultiValued As Boolean (R) Integer, (ByRef) Maintenance As Integer) As Boolean (R) Application As Application (R) InterpretAs As Sub ExecuteMacro(MacroName As String) Parent As Object (R) BoVariableInterpretAs (R/W) Function GetInstallDirectory(DirectoryID As BoDirectoryID) As String Count As Long (R) Function GetInstalledLanguages As Variant Property Item(Index As Variant) As Variable Sub Delete() Function LoginAs([User As String], [Pass As String], [Offline As Boolean], [RepositoryName As String]) As Boolean Function Add(Name As String) As Variable Function Logon(User As String, Password As String, CMS As String, Mode As String, ThreeTier As Boolean, Offline As Boolean) As Boolean Macros Legend Function LogonWithToken(token As String) As Boolean Function LogonDialog() As Boolean In red 11.5 api removed Run (FunctionName As String, [arg1 As Variant],...,[arg30 As Application As Application (R) In blue 11.5 api added Variant]) As Variant Parent As Object (R) Sub Quit() Count As Long (R) Collection Sub RegisterDPVBAProc(procName As String, friendlyName As Function Item(Index As Long) As String (R) String, description As String) Object Macroln As BoMacroln (R/W) Sub SetInstallDirectory(DirectoryID As BoDirectoryID. Path As Enum String, Temporary As Boolean) Sub SetSecurityPrompt(UserName As String, UserPasswordvarName As String, UserPassword As String, DBName Window As String, DBPasswordVarName As String, DBPassword As String) Sub UnregisterDPVBAProc(procName As String, friendlyName As Application As Application (R) String, description As String) Parent As Object (R) Caption As String (R) BoExchangeMode Event DocumentActivate (ByVal Doc As busobi.IDocument) Height, Width, Top, Left As Long (R/W) Event DocumentBeforeRefresh (ByVal Doc As busobi IDocument, State As BoWindowState (R/W) boDocAgentMode Cancel As Boolean) boRepositoryMode Event DocumentAfterRefresh (ByVal Doc As busobj.IDocument) Sub Activate() boRepositoryModeNoOverwrite Event DocumentBeforeClose (ByVal Doc As busobi.IDocument, Sub Close() Cancel As Boolean) Event DocumentBeforeSave (ByVal Doc As busobj.IDocument, Cancel As Boolean) **BoVariableInterpretAs** Event DocumentDeactivate (ByVal Doc As busobi.IDocument) **BoClipboardFormat** BoMacroln BoDirectoryID Event DocumentOpen (ByVal Doc As busobi.IDocument) Event NewDocument (ByVal Doc As busobj.IDocument) boBusObiDirectory boDateVariable boClipboardFormatBitmap boActiveDocument boDocumentDirectory boNumericVariable boClipboardFormatMetafile boAllAddIns boLocDataDirectory boStringVariable boClipboardFormatText boAllOpenedDocuments boAddInsDirectory

Desktop Intelligence Object Model - Documents

Documents

Application As Application (R) Parent As Object (R) Count As Long (R) Property Item(Index As Variant) As Document

Function Add() As Document

Function Open([Name As String], [NoAutomaticRefresh As Boolean], [ReadOnly As Boolean], [Password As String], [WriteResPassword As String]) As Document

Function OpenFromEnterprise(Name As String) EntepriseFolder, As String) As Document Function OpenFromEnterpriseDialog() As Document

Sub Receive([Name As String], [DestDir As String])

BolnstallStatus

bolnstalled bolnstalledAndLocked boNotInstalled

BoWindowState

boMaximized boMinimized boNormal

BoObjectQualification

boDetail hoDimension boMeasure

BoExchangeMode

boUserMode boRepositoryMode boRepositoryModeNoOverwrite boDocAgentMode

Legend In red 11.5 api removed

In blue 11.5 api added Collection

Object

Enum

BoEvaluationMode

Bo41Behavior BoAllValues boUniqueValues

BoCloseOption

boSavelfModified boDontSave boPromptUser

BoVariableInterpretAs

boDateVariable boNumericVariable boStringVariable

boHTMLLayout

boHTMLOnePage boHTMLSectionBySection boHTMLBoth

boDocumentLocation

boEnterpriseFolder

Document

Application As Application (R) Application As Application (R) Parent As Object (R) Parent As Object (R) Author As String (R/W) Count As Long (R) ActiveReport As Report (R) AutoRefreshWhenOpening As Boolean (R/W) Comments As String (R/W) As DocumentVariable DataProviders As DataProviders (R) DocAgentOption As DocAgentOption (R) DocumentVariables As DocumentVariables (R) FullName As String (R)

Installed As BolnstallStatus (R/W) IsAddin As Boolean (R/W) Keywords As String (R/W) LastPrintDate As String (R) LastSaveDate As String (R) Name As String (R)

CUID As String (R) PartialResults As Boolean (R) Path As String (R)

Reports As Reports (R) Saved As Boolean (R) Subject As String (R/W) Title As String (R/W)

Variables As Variables (R) Windows As Windows (R)

Sub Activate()

Sub Close([CloseOption As BoCloseOption]) Function Evaluate(Formula As String, [EvaluationMode As BoEvaluationMode)

Sub ExecuteMacro(MacroName As String) Sub ExportAsPDF(fileName As String)

Sub ExportAsXML(FileName As String) Function ExportSheetsAsHtml(FileName As String, [SheetsName As String], [Graphs As Boolean], [Borders As Boolean], [Background As Boolean], [Foreground As Boolean], [Font As Boolean], [FreeForm As Boolean], [Frames As Boolean], [AutoRefreshTime As Long], [BusObjDoc As Boolean], [HtmlLayout As

boHTMLLayout]) As Long Function GetSecurityPrompts() As SecurityPrompts Sub PrintOut([PrinterName As String]) Sub PrintDialog()

Sub Refresh()

Sub SaveToEnterprise(Folder As string, CategoryList

As String, Overwrite As Boolean) Sub SaveToEnterpriseDialog() Sub Save()

Sub SaveAs([Name As String], [ForAllUsers As Boolean])

Sub Send([User As String], [StoreGeneratedHTML As Boolean], [HtmlLayout As BoHTMLLayout], [CategoryList As String, [ExchangeMode As BoExchangeMode], [ExchangeDomain As String])

Event ACTIVATE()

Event BeforeCLose(Cancel As Boolean) Event BeforeRefresh(Cancel As Boolean) Event AFTERREFRESH() Event BeforeSave(Cancel As Boolean) Event DEACTIVATE() Event OPEN()

Property Item(Index As Variant)

DocumentVariables

Function Add(Formula As String, [Name As String]) As **DocumentVariable**

DocumentVariable

Application As Application (R) Parent As Object (R) Name As String (R/W) Qualification As BoObjectQualification (R/W) Formula As String (R/W) IsDataProviderObject As Boolean (R) Values (Evaluation Mode As BOEvaluationMode) As Variant (R)

Sub Delete()

Variable

Application As Application (R)

Variables

Application As Application (R) Parent As Object (R) Count As Long (R) Property Item(Index As Variant) As Variable

Function Add(Name As String) As Variable

Parent As Object (R) Name As String (R/W) InterpretAs As BoVariableInterpretAs (R/W) Value As Variant (R/W) IsUserPrompt As Boolean (R) PossibleValues As String (R) MultiValued As Boolean (R)

Sub Delete()

Application As Application (R) Parent As Object (R) Count As Long (R) Property Item(Index as Variant) As Window

Windows

SecurityPrompts

Application As Object (R) Parent As Object (R) Count As Long (R)

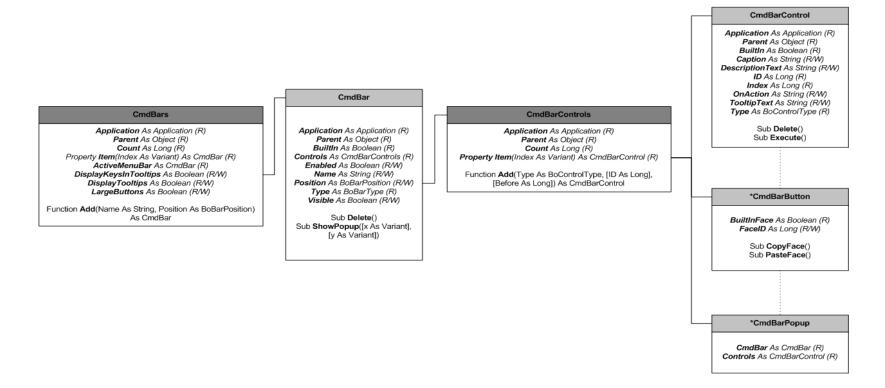
Function GetPrompt(Index As Long, Title As String, UserName As String. UserPasswordVarName As String, DBName As String, DBPasswordVarName As String) As Boolean

Window

Application As Application (R) Parent As Object (R) Caption As String (R) Height, Width, Top, Left As Long (R/W) State As BoWindowState (R/W)

> Sub Activate() Sub Close()

Desktop Intelligence Object Model - CmdBars



BoControlType

boControlButton boControlPopup

BoBarPosition

boBarLeft boBarTop boBarRight boBarBottom boBarFloating boBarPopup

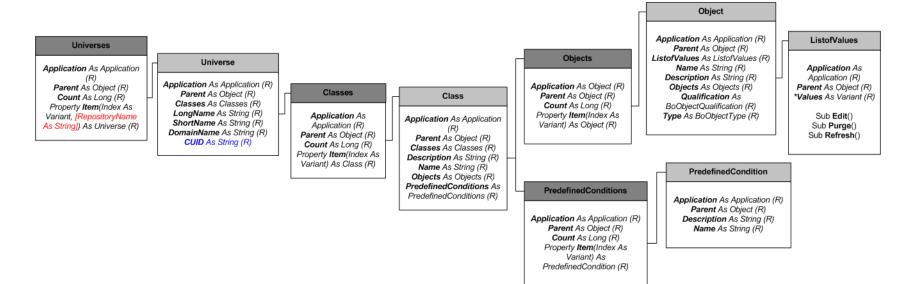
BoBarType

boBarTypeNormal boBarTypeMenuBar boBarTypePopup

*These objects inherit all of CmdBarControl's properties and methods



Desktop Intelligence Object Model - Universes



BoObjectQualification

boDetail boDimension boMeasure

BoObjectType

boBlobCharacterObject boBlobObject boCharacterObject boDateObject boNullObject boNumericObject *Returns an array containing the list of values.

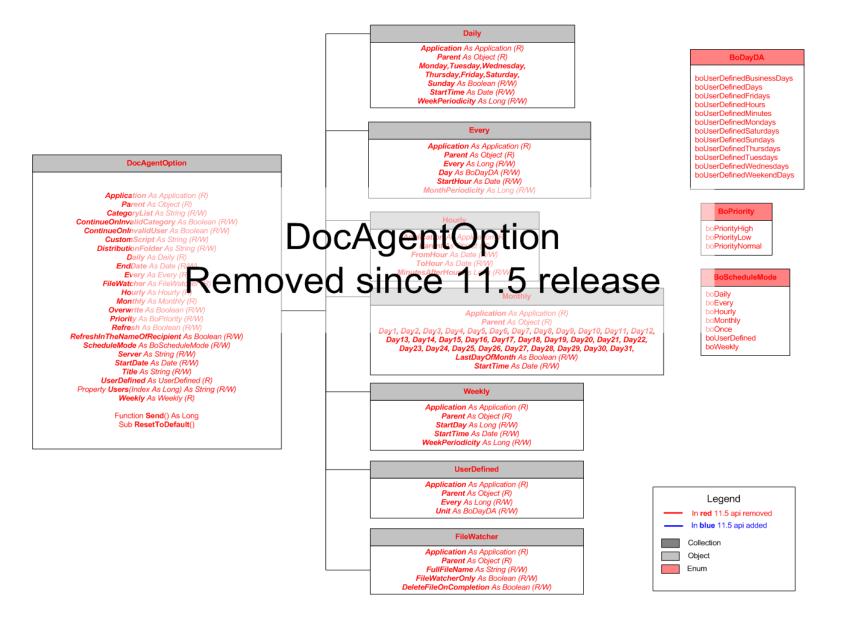


Desktop Intelligence Object Model - Data Providers

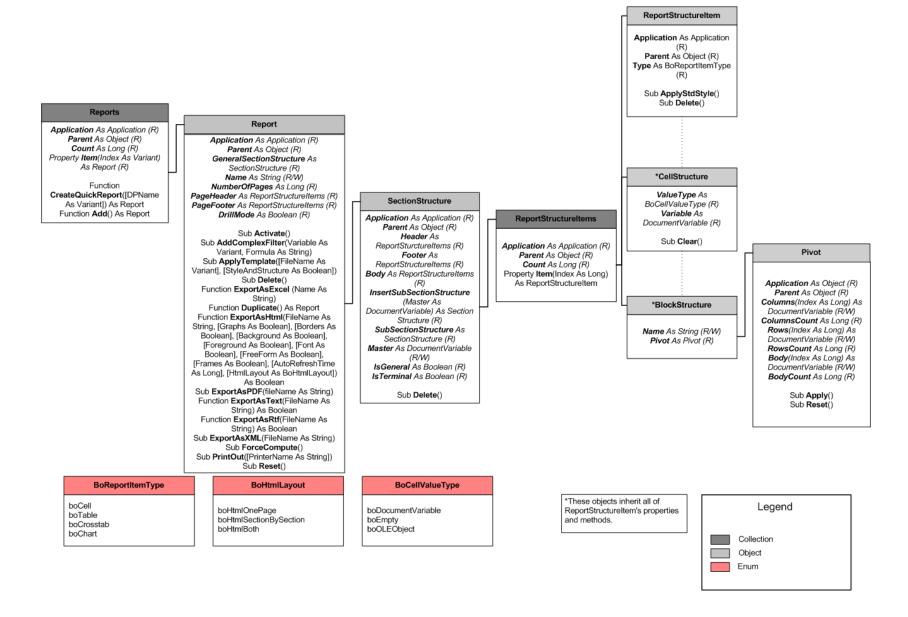
Column

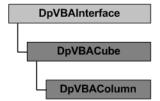
Conditions Application As Application (R) Columns Parent As Object (R) Application As Application (R) Count As Long (R) Parent As Object (R) Condition Application As Application (R) Property Item Count As Long (R) Parent As Object (R) (Index As Long) (R) Property Item(Index As Long) Count As Long (R) Name As String (R) DataProvider As Condition (R) Application As Application (R) Property Item(Index As Format As String (R/W) Parent As Object (R) **DataProviders** Variant) As Column (R) Sub CustomSort Application As Application (R) Class As String (R) (SortOrder As String) Columns As Columns (R) Function Add(Class As String, Level As Long (R) Application As Application (R) Duration As Long (R) ObjectOrCondition As String, Object As String (R) Parent As Object (R) IsEditable As Boolean (R/W) [Operator As String], Property Operand(Index As Count As Long (R) IsRefreshable As Boolean (R/W) [Operand1 As String], Long) As String (R) Property Item(Index As LastExecutionTime As String (R) [Operand1Type As String], OperandCount As Long (R) Variant) As DataProvider Name As String (R/W) [Operand2 As String], Property OperandType(Index Queries Query MaxDuration As Long (R/W) [Operand2Type As String]) As Long) As String (R) Function MaxNbLines As Long (R/W) As Condition Operator As String (R) AddDPVBA(procName As Application As Application (R) NbCubes As Long (R) Application As Application (R) Sub Remove(Index As Long) String) As DataProvider NbRowsFetched As Long (R) Parent As Object (R) Parent As Object (R) Function AddQueryTechnique Conditions As Conditions (R) Parent As Object (R) Count As Long (R) (UniverseName As String, PartialRefresh As Boolean (R) Property Item(Index As Name As String (R) Operator As BoQueryOperator [UniverseDomainName As Queries As Queries (R) Variant) As Query (R) Results String]) As DataProvider (R/W) SQL As String (R/W) * DuplicateRows As Boolean Results As Results (R) Universe As Universe (R) (R/W) Application As Application (R) Result DeleteTrailingBlanks As UniverseName As String (R) Parent As Object (R) Boolean (R/W) Count As Long (R) Application As Application (R) Sub ChangeUniverse(newUniverse As ScopeOfAnalysis As Property Item(Index As Long) Parent As Object (R) Universe) BoScopeOfAnalysis (R/W) As Result Class As String (R) Sub ConvertTo(Type As Sorts() As Sorts (R) Object As String (R) BoConvertToType, CubeNb As Long, Function Add(Class As String, [FileName As String]) Function Add() As Query Object As String) As Result Sub ExportToRDBMS(ConnectionName Sub Remove(Class As String, As String, ConnectionType As Object As String) BoConnectionType) Sub RemoveByIndex Sub Edit() (Index As Long) Function GetType() As String Sub Load() Sub Refresh() Sorts Sub Unload() Sort Application As Application (R) Parent As Object (R) Application As Application (R) Count As Long (R) Parent As Object (R) Property Item(Index As Long) BoConvertToType Class As String (R) As Sort Object As String (R) **BoScopeOfAnalysis BoQueryOperator** Ascending As Boolean (R) boExpAsciiCSV Function Add(Class As String, BoConnectionType boExpAsciiTab Object As String, Ascending As boOneLevelsDown boOperatorIntersection boExpDbase Boolean) As Sort boOperatorMinus boTwoLevelsDown boExpExcel Sub Remove(Item As Long) boPersonalConnection boExpExcel97 boThreeLevelsDown boOperatorNone boSharedConnection boZerol evelsDown boOperatorUnion boExpLotus The SQL property in the DataProvider class is Legend Writable only in the case of a Query Technique data provider Collection Object Enum

Desktop Intelligence Object Model - Send To Broadcast Agent



Desktop Intelligence Object Model - Reports







DpVBAInterface Automation Object Model - Core

DPVBAInterface

EnableChangeSource As Boolean (R/W)
IsChangeSource As Boolean (R)
SaveAndClose As Boolean (R/W)
QueryName As String (R/W)
SourceName As String (R/W)
ConnectionInfo As String (R/W)
DataProviderType As String (R/W)
Parent As Object (R)
CancelOnExit As Boolean (R/W)
DpVBACubes As DpVBACubes (R)
IsEdit As Boolean (R)
Property UserString(Index As Long) As String
(R/W)

UserStringCount As Long (R) ShowSelectionDialogOnEdit As Boolean (R/W)

CheckDataIntegrity(Level As BoCheckLevel)

DPVBACubes

Parent As Object (R)
Count As Long (R)
Property Item(Index As Long) As
DpVBACube (R)

DPVBACube

Parent As Object (R)
DpVBAColumns As DpVBAColumns (R)

DPVBAColumns

Parent As Object (R)
Count As Long (R)
Property Item(Index As Long) As DPVBAColumn (R)
NbLines As Long (R/W)

Function Add(sColName As String) As Long *Function AddLine(NewValue As Variant) As Long Sub SetNbColumns(nNbColumns As Long)

DPVBAColumn

Parent As Object (R)
Aggregation As BoObjectAggregation (R/W)
Qualification As BoObjectQualification (R/W)
Type As BoObjectType (R/W)
Name As String (R/W)
Index As Long(R)
Property Item(Index As Long) As Variant (R/W)
MaxWidth As Long (R/W)

†Function **Add**(Val As Variant) As Long Function **Delete**() As Boolean

BoCheckLevel

boCheckAll boCheckAutoTyping boCheckChangeType boCheckColumnsName boCheckNumberOfCube boNoCheck

BoObjectAggregation

boAggregateByAvgObject boAggregateByCountObject boAggregateByMaxObject boAggregateByMinObject boAggregateByNullObject boAggregateBySumObject

BoObjectQualification

boDetail boDimension boMeasure

BoObjectType

boCharacterObject boDateObject boNullObject boNumericObject

- *The parameter Newvalue must be declared as an array. This array may be:
- A one-dimensional array with the same size as the number of columns in the data cube.
- A two-dimensional array. The first dimension represents the rows and the second dimension represents the columns. The second dimension must be equal to the number of columns in the data cube.

†If several values are added, Val must be declared as an array.

