

Oracle® AutoVue
ActiveX Migration Guide
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Contents

Preface	v
Audience	v
Documentation Accessibility	v
Related Documents	v
Conventions	v
 1 Introduction	
1.1 Deployment	1-1
1.2 Initialization	1-1
1.3 Markups	1-2
1.4 Configurations	1-2
 2 APIs	
2.1 AutoVueX Control	2-1
2.2 AvMarkupX Control	2-6
2.3 AvPrintX Control	2-8
2.4 AvCompareX Control	2-9
 A Feedback	
A.1 General AutoVue Information	A-1
A.2 Oracle Customer Support	A-1
A.3 My Oracle Support AutoVue Community	A-1
A.4 Sales Inquiries	A-1

Preface

The *ActiveX Migration Guide* provides information on migrating to the new AutoVue Desktop Deployment ActiveX wrapper from the Desktop Version ActiveX solution.

For the most up-to-date version of this document, go to the AutoVue Documentation Web site on the Oracle Technology Network at

<http://www.oracle.com/technetwork/documentation/autovue-091442.html>.

Audience

This document is intended for those who wish to migrate to the newest release of Oracle AutoVue's ActiveX wrapper. This guide serves as a good starting point for developers and professional services to become more familiar with the ActiveX wrapper.

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Related Documents

For more information, see the following documents in the Oracle AutoVue Desktop Deployment documentation set:

- *Oracle AutoVue Desktop Deployment Release Notes*
- *Oracle AutoVue Desktop Deployment Installation and Configuration Guide*
- *Oracle AutoVue Desktop Deployment Viewing and Configuration Guide*

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Introduction

This ActiveX migration guide provides essential information for system integrators who wish to migrate to the new Oracle AutoVue Desktop Deployment ActiveX wrapper from the Oracle AutoVue Desktop Version ActiveX solution. This new ActiveX control can be used to integrate Oracle AutoVue Desktop Deployment with your application.

Note: Desktop Deployment ActiveX and Oracle AutoVue Desktop Deployment cannot run concurrently.

For more detailed descriptions of the methods mentioned in this document, refer to the `ActiveXAPI.html` document that is located at `<AutoVue Desktop Deployment Installation>\docs`.

1.1 Deployment

To properly deploy the ActiveX wrapper integration with your application, you must take note of the following:

- AutoVue ActiveX Control (`jVueAX.ocx`) is shipped as part of AutoVue Desktop Deployment and is registered with Windows during installation.
- The Desktop Version ActiveX contained 4 controls: "AutoVueX", "AvMarkupX", "AvPrintX" and "AvCompareX". The new Desktop Deployment ActiveX has a single control: "AutoVue ActiveX".
- AutoVue Desktop Deployment contains Java-based technology. As a result, Java Virtual Machine will be loaded into the process of the application that integrates with the ActiveX. The location and initialization of the JVM are handled by the `autovue.jre.path` and `autovue.cmdline` keys, respectively, in `autovue.properties`.
- All the JARs and native binaries needed by the ActiveX are located in the `<AutoVue Desktop Deployment installation directory>\bin` directory.
- Integration to a 64-bit Windows application is not supported as the ActiveX wrapper contains 32-bit native binaries.

1.2 Initialization

When calling the `initActiveX` method, you have the option to pass client parameters (for example, a GUI customization parameter). To do so, you must first call the `setValue` method to pass the parameters and then make a call to `initActiveX`.

The GUI customization parameter, GUIFILE, contains definitions of the application UI. These definitions must be created and placed in the <AutoVue Desktop Deployment installation>\Profiles directory. Note that you must set the GUIFILE parameter to the filename of the GUI file.

1.3 Markups

By default, Oracle AutoVue Desktop Deployment stores markups in an avred sub-folder at the location of the document marked up by AutoVue. This behavior is the same as the default behavior of AutoVue Desktop Version. To save markups at a central location, you must set `jvueserver.markups.local.directory` to a path where you want to store all the markup files.

1.4 Configurations

AutoVue Desktop Version ActiveX control uses a configuration file "`<%WINDIR%>\avx.ini`". In contrast, AutoVue Desktop Deployment ActiveX stores configurations at `<AutoVue installation directory>\Profiles\<username>.ini`. There's also an INI option in `autovue.properties` to specify a custom location for profiles.

You can also set options in files `default.ini` or `allusers.ini`. The first time a user launches AutoVue, the contents of `default.ini` are written to `<username>.ini`. The contents of `allusers.ini` are written to `<username>.ini` every time a user launches AutoVue.

Refer to the *Viewing Configuration Guide* for more information on INI files and INI options. Refer to *AutoVue Desktop Deployment Installation and Configuration Guide* for additional information on configuring AutoVue.

A migration guide is available for customers that are planning to move from the Desktop Version to the Desktop Deployment. Contact an Oracle Customer Support representative for a copy of the migration guide.

The Desktop Version contains the following controls:

- [AutoVueX Control](#)
- [AvMarkupX Control](#)
- [AvPrintX Control](#)
- [AvCompareX Control](#)

The tables in following sections map Desktop Version ActiveX Controls' methods and properties to an equivalent Desktop Deployment ActiveX API.

2.1 AutoVueX Control

Table 2–1 Properties in AutoVueX Control

Properties in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
SRC	setFile method
ShowScrollBars	N/A
ShowMainToolBar	Done through GUI file customization
ShowAuxiToolBar	
MrkMainToolbar	
MrkPensToolbar	
MrkEntitiesToolbar	
MrkColorsToolbar	
ShowStatusBar	
EnablePopupMenu	N/A
MrkFileLocation	"Markups" INI option under [Directory] in VueCore.ini
BgColor	N/A
Rotate	N/A
Page	setPage/getPage methods
Extents	invokeSubAction method on action "VueActionViewFit" and sub-action "FitHoriz" or "FitBoth"

Table 2–1 (Cont.) Properties in AutoVueX Control

Properties in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
ExtMinX ExtMinY ExtMaxX ExtMaxY	setViewExtents/getViewExtentsMinX, getViewExtentsMinY, getViewExtentsMaxX, getViewExtentsMaxY methods

Table 2–2 Methods in AutoVueX Controls

Methods in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
SetAntiAlias	invokeAction method on action "VueActionViewAntiAlias"
	invokeAction method on the following action respectively:
ShowLayersDlg	"VueActionViewLayers"
ShowBlocksDlg	"VueActionViewBlocks"
ShowNamedViewsDlg	"VueActionViewViews"
ShowXRefDlg	"VueActionViewXRefs"
ShowEntityTypeFilterDlg	"EcadActionViewEntityTypeFilter"
ShowVerifyDesignDlg	"EcadActionDesignRuleChecks"
ShowEntityBrowserDlg	"EcadActionViewEntityBrowser"
ShowBillOfMaterialDlg	"EcadActionViewBillOfMaterial"
ShowEntityPropertiesDlg	"EcadActionEntityProperties"
ShowImportDesignDlg	"SMActionFileImportModel"
ShowPMIFilteringDlg	"SMActionPMI"
ShowLightingDlg	"SMActionLight"
ShowUserCoordSystemsDlg	"SMActionCoordinateSystem"
ShowPartAlignmentDlg	"SMActionPartAlignment"
ShowInterferenceCheckDlg	"SMActionCollisionDetection"
ShowConvertDialog	"VueActionFileConvert"
ShowExplodeDialog	"SMActionExplode"
Show3DSearchDialog	"SMActionSearch"
	invokeSubAction method on the following action and sub-action respectively:
ShowDefineSectionDlg	"SMActionViewSection", "Define"
ShowModelTransformDlg	"SMActionTransform", "Apply"
ShowFileVersionInfoDlg	N/A
	invokeSubAction method on the following action and sub-action respectively:

Table 2–2 (Cont.) Methods in AutoVueX Controls

Methods in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
ZoomFit	"VueActionViewFit", "FitBoth"
ZoomPrevious	"VueActionViewZoom", "Previous"
ZoomWidth	"VueActionViewFit", "FitHoriz"
ZoomHeight	"VueActionViewFit", "FitVer"
ZoomFullResolution	"VueActionViewZoom", "FullRes"
ZoomSelected	invokeAction method on action: "SMActionZoomSel" for 3D "EcadActionZoomSelected" for EDA
ZoomByFactor	setZoom method
PrintIt	printIt method
PrintPreview	invokeSubAction method on action "VueActionFilePrint" and sub-action "PrintPreview"
SetPrintOptions	setPrintOptions Please note the following options are not supported: "PRINT_OPT_DISABLE_HEADERSFOOTERS" "PRINT_OPT_DISABLE_WATERMARK" "PRINT_OPT_DISABLE_MARGINS" "PRINT_OPT_DISABLE_STAMPS" "PRINT_OPT_DISABLE_PENSETTINGS" "PRINT_OPT_DISABLE_PRINTTOFILE" "PRINT_OPT_DISABLE_PRINT" "PRINT1PAGEONLY" "OUTPUTFILE" "PDFPAPERSIZE"
GetVcetHandle	N/A
	invokeSubAction method on the following action and sub-action respectively:
EnterMarkupMode	"VueActionFileMarkup", "New"
ExitMarkupMode	"MrkActionFileMarkup", "Exit"
MrkObj	N/A
PrnObj	
GetMode	isMarkupModeEnabled method for markup mode
PageNext	invokeSubAction method on action "VueActionViewPage" and sub-action "Next", "Previous", "Number" respectively
PagePrevious	
PageSelect	
GetMousePos	N/A
ZoomInWorld	setViewExtents method
SetLicenseFilePath	N/A

Table 2–2 (Cont.) Methods in AutoVueX Controls

Methods in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
EnableMarkup EnablePanMode EnableZoomBoxMode EnableRotateMode EnableManipulators	N/A
GetNumCrossProbeEntities GetCrossProbeEntityType GetCrossProbeEntityName ClearCrossProbeEntities AddCrossProbeEntity GetEcadDesignName GetEcadDesignPageType GetEcadDesignPageName GetNumCrossProbeHits ShowCrossProbeHit	N/A
ShowNetConnectivity	invokeAction method on action "EcadActionShowNetConnectivity"
GetNumEcadEntities GetEcadEntityName GetEcadEntityNAttr GetEcadEntityAttrName GetEcadEntityAttrValue GetNumEcadEntityDefs GetEcadEntityDefName GetEcadEntityDefFlags GetEcadEntityDefNAttr GetEcadEntityDefAttrName GetEcadEntityDefAttrFlags GetEcadEntityDefAttrType	N/A
SetPageByTitle SetNamedView SetNamedViewByName	N/A
ReCenter	invokeSubAction method on action "SMActionRecenter" and sub-action "RecenterAll", "Selected" or "RecenterTo"
ResetTransformation	invokeSubAction method on action "SMActionTransform" and sub-action "ResetAll"
AddOverlay RemoveOverlays	addOverlay method removeOverlays method

Table 2–2 (Cont.) Methods in AutoVueX Controls

Methods in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
SelectOverlay LoadOverlay SetOverlayParameters GetOverlayFileName GetOverlayPosX GetOverlayPosY GetOverlayScale GetOverlayParameters	N/A
DumpModelTree	N/A
ConvertIt	convertIt method
SetConvertOptions	setConvertOptions method
Export3DBom ExportEdaBom	export3DBom exportEdaBom
SaveViewStateToFile RestoreViewStateFromFile	N/A
GetNumPages	getPagesNumber method

Table 2–3 Events in AutoVueX Control

Events in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
ModeChanged	onMarkupEvent event with event ID "ONENTERMARKUPMODE" or "ONEXITMARKUPMODE" Notification for entering/exiting print preview is not available
StatusChanged HelpString	onStateEvent event with event ID "ONMESSAGE"
ExtentsChanged	onViewEvent event with event ID "ONVIEWEXTENTS"
PageChanged	onFileEvent event with event ID "ONSETPAGE"
RotateChanged FlipChanged	N/A
OnLMButtonDown OnLMButtonUp OnLMButtonDbIClk OnRMButtonDown OnRMButtonUp OnRMButtonDbIClk OnMMButtonDown OnMMButtonUp OnMMButtonDbIClk	N/A

Table 2–3 (Cont.) Events in AutoVueX Control

Events in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
OnMouseMove	N/A
OnNewDocument	onFileEvent event with event ID "ONSETFILE"
CrossProbeEvent	N/A
BasefileHyperlinkEvent	onViewEvent event with event ID "ONLINKCLICKED"

2.2 AvMarkupX Control

Table 2–4 Properties in AvMarkupX Control

Properties in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
EntityColor	N/A
PenStyle	N/A
LineWidth	N/A

Table 2–5 Methods in AvMarkupX Control

Methods in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
Open CreateNew	invokeSubAction method on action "VueActionFileMarkup" and sub-action "Open" and "New"
OpenMarkup	openMarkup method
Save SaveAs	invokeSubAction method on action "VueActionFileMarkup" and sub-action "Save" and "Save As"
	invokeAction method on the following action respectively:
DrawLine	"MrkActionLine"
DrawPolyline	"MrkActionPolyLine"
DrawArc	"MrkActionArc"
DrawBox	"MrkActionBox"
DrawCircle	"MrkActionCircle"
DrawFilledBox	"MrkActionBox"
DrawFilledCircle	"MrkActionCircle"
DrawFilledPolygon	"MrkActionPolygon"
DrawLeader	"MrkActionLeader"
DrawFreeStyle	"MrkActionFreeStyle"
DrawCloud	"MrkActionCloud"
DrawText	"MrkActionText"
DrawHighlight	"MrkActionHighlight"
DrawNote	"MrkActionNote"
DrawSymbol	"MrkActionSymbol"

Table 2–5 (Cont.) Methods in AvMarkupX Control

Methods in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
MeasureDistance MeasureCumDistance MeasureArea Draw3DVertexCoord Draw3DDistance Draw3DArc Draw3DAngle	invokeSubAction method on action "MrkActionAnalysisMeasure" and sub-action "Distance", "Area", "Vertex", "Distance", "Arc" and "Angle" respectively
DrawOle	N/A
IsCurrentEntity	N/A
ModifyLayers ModifyFont	invokeAction method on action "MrkActionModifyEntityLayer" and "MrkActionModifyEntityFont"
Undo Redo	invokeSubAction method on action "MrkActionUndo" and sub-action "Undo" and "Redo"
IsUndoAvailable IsRedoAvailable	N/A
GetControlHandle	N/A
Rotate	invokeSubAction method on action "MrkActionViewRotateMarkup" and sub-action "CW" or "CCW"
RotateRelative ResetAction	N/A
ShowInfo	invokeSubAction method on action "MrkActionFileMarkup" and sub-action "Information"
DeleteSelEntities	invokeSubAction method on action "MrkActionModifyDelete" and sub-action "Delete"
CopyToClipboard PasteFromClipboard	invokeSubAction method on action "MrkActionClipboard" and sub-action "Copy" and "Paste"
OnMarkupConsolidate	invokeSubAction method on action "MrkActionFileMarkup" and sub-action "Consolidate"
OnModifyMarkupOnoff	invokeAction method on action "MrkActionModifyHideMarkups"
GetFillStyle SetFillStyle	N/A
GetCtlSnapType SetCtlSnapType	N/A
GetAction SetAction	N/A

Table 2–5 (Cont.) Methods in AvMarkupX Control

Methods in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
EditText EditNote EditDimension	N/A
HideDimensions DeleteDimensions	N/A
IsThisEntityAvailable IsThisEntityTypeAvailable IsThisEntitySelected IsThisEntityTypeHidden GetEntityPageIndex IsEntityEditable EditEntity GetEntityLineStyle GetEntityLineWidth	N/A
GetSelCount	N/A
IsThisMarkupVisible ShowThisMarkup	N/A

2.3 AvPrintX Control

Table 2–6 Methods in AvPrintX Control

Methods in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
PrintIt	printIt method
PrintPreview	invokeSubAction method on action "VueActionFilePrint" and sub-action "PrintPreview"
PrintFile PrintPreviewFile	N/A
PreviewPrint PreviewNextPage PreviewPrevPage PreviewNumPage PreviewZoomIn PreviewZoomOut PreviewClose	N/A
SetPrintPageOrientation	setPrintOptions method
EnablePrintOptions	N/A

Table 2–7 Events in Desktop Version ActiveX

Events in Desktop Version Active X	Replacement APIs in Desktop Deployment ActiveX
EndPrintPreview	N/A
EndPrint	N/A

2.4 AvCompareX Control

Table 2–8 Properties in AvCompareX Control

Properties in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
File1	setFile method
File2	setCompareFile method
ShowScrollBars	N/A
ShowMainToolBar	GUI file customization
ShowAuxiToolBar	
ShowStatusBar	
EnablePopupMenu	N/A
CtlBgColor	N/A
Rotate	N/A
Page	setPage/getPage methods
ZoomType	N/A
Extents	invokeSubAction method on action "VueActionViewFit" and sub-action "FitHoriz" or "FitBoth"
ExtMinX	setViewExtents/getViewExtentsMinX, getViewExtentsMinY, getViewExtentsMaxX, getViewExtentsMaxY methods
ExtMinY	
ExtMaxX	
ExtMaxY	
ViewAdditions	invokeSubAction method on action "VueActionOptionCompare" and sub-action "ViewAdditions", "ViewDeletions" and "ViewUnchanged" respectively
ViewDeletions	
ViewUnchanged	

Methods in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
ZoomFit ZoomPrevious ZoomWidth ZoomHeight ZoomByFactor ZoomFullResolution Print PrintPreview PageNext PagePrevious PageSelect SetAntiAlias InvertImage ShowLayersDlg ShowBlocksDlg ShowNamedViewsDlg ShowXRefDlg	Please refer to the respective entry in the methods section of AutoVueX control

Events in Desktop Version ActiveX	Replacement APIs in Desktop Deployment ActiveX
StatusChanged HelpString ExtentsChanged PageChanged RotateChanged FlipChanged	Please refer to the respective entry in the events section of AutoVueX control

If you have any questions or require support for AutoVue please contact your system administrator.

If at any time you have questions or concerns regarding AutoVue, please contact us.

A.1 General AutoVue Information

Web Site <http://www.oracle.com/us/products/applications/autovue/index.html>

Blog <http://blogs.oracle.com/enterprisevisualization/>

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