

Integration Objects' Solution for OPC A&E Controls

OPC A&E ActiveX Version 2.0Rev.2

QUICK USER GUIDE

Integration Objects' OPC AE ActiveX User's Guide Version 2.0Rev.2 Published May 2018 Copyright © 2004-2018 Integration Objects



ABOUT THIS USER GUIDE

This guide is a quick step by step guide on how to install and use the OPC AE ActiveX.

INSTALLATION PRE-REQUISITES

In order to properly run the OPC AE ActiveX, install these software components on the target system:

- The <u>OPC core components 3.00</u> which consist of all shared OPC modules including the DCOM proxy/stub libraries, the OPC Server Enumerator, .NET wrappers, etc. You can alternatively apply the OPC Core Components 3.00 Redistributable delivered with the current package or download it from the OPC Foundation site (<u>www.opcfoundation.org</u>).
- NET Framework 2.0.

INSTALLING OPC AE ACTIVEX

To install the OPC AE ActiveX, run the installation executable using an administrator account and the wizard will take you through the different installation steps.

DEPLOYING THE .NET AE LOGGER IN MICROSOFT VISUAL BASIC 6.0

This section provides the steps on how to deploy the .Net AE logger in the Visual Basic 6.0.

Step1: Create a Standard EXE

Run the Microsoft Visual Basic 6.0 and select a Standard EXE to create a new project as shown below.





Figure 1: Create a VB6 Standard EXE

Step2: Add the OPC AE Net Logger Reference

1. Select the *Project* menu item and click on *References*



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Figure 2: Select Projet Reference

 Click on the Browse button and select the OPC AE Logger tlb file path (.:\Program Files (x86)\Integration Objects\Integration Objects' OPC AE ActiveX\Bin\DotNet\OPCAELoggerActiveX)



References - Project1	×
<u>A</u> vailable References:	ОК
 Visual Basic For Applications Visual Basic runtime objects and procedures Visual Basic objects and procedures OLE Automation AccessControl 1.0 Type Library AccessibilityCplAdmin 1.0 Type Library Active DS Type I ibrary 	Cancel Browse
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OLE Automation Location: C:\Windows\system32\stdole2.tlb Language: Standard	

Figure 3: Browse the OPC AE Net Logger Path

3. Select the "IntegrationObjects.OPCAELoggerDotNetActiveX.tlb" and click on the *Open* button.

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IntegrationObjects.OPCAELoggerDotNetActiveX.tlb	30/01/2017 10:20
IntegrationObjects.OPCNetClientSDK.dll	01/07/2016 12:47
Size: 461	20/01/2017 15:16
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File name: IntegrationObjects.OPCAELoggerDotNetActive>	Open
Files of type: Type Libraries (*.olb;*.tlb;*.dll)	Cancel
	<u>H</u> elp

Figure 4: Select the Type Library (.tlb) File



4. Once the IntegrationObject_OPCAELoggerDotNetActiveX reference is checked, click on OK



Figure 5: Check the OPC AE Net Logger Reference

Step3: Add the OPC AE Net Logger Component to the Toolbar

1. Select the Project menu item and click on Components





Figure 6: Select Projet Components

2. Check the IntegrationObject_OPCAELoggerDotNetActiveX component then click on the OK button



Components	×
Controls Designers Insertable Objects	
GigaSoft ProEssentials 3D Sci-Graph v6 GigaSoft ProEssentials Graph v6 GigaSoft ProEssentials Pie Chart v6 GigaSoft ProEssentials Polar-Smith v6 GigaSoft ProEssentials Sci-Graph v6 GridDTC HHActiveX 1.0 Type Library HybridAppControls iFIX Color Button Control module iFix Key Macro Editor Keyboard Control Integration Objects' OPC AE Controls	
Integration Objects' OPC Event Client ActiveX IntegrationObjects_OPCAELoggerDotNetActive	Browse
IntegrationObjects_OPCAELoggerDotNetActiveX Location: C:\Windows\system32\mscoree.dll	Selected Items Only
ОК	Cancel <u>A</u> pply

Figure 7: Select the OPC AE Net Logger Component

3. Select the IOCSAELoggerActiveXCtrl already added in the toolbar and draw the control in the form as shown below

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Figure 8: Add the OPC AE Logger Component to the Form

DEPLOYING THE EVENT CLIENT .NET ACTIVEX IN MICROSOFT VISUAL BASIC 6.0

This section provides the steps on how to deploy the .Net Event Client ActiveX in the Visual Basic 6.0.

Step1: Create a Standard EXE

Run the Microsoft Visual Basic 6.0 and select a Standard EXE to create a new project as shown below.





Figure 9: Create a VB6 Standard EXE

Step2: Add the OPC Event Client .Net reference

1. Select the Project menu item and click on References



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Figure 10: Select Projet Reference

 Click on the Browse button and select the OPC Event Client tlb file path (.:\Program Files (x86)\Integration Objects\Integration Objects' OPC AE ActiveX\Bin\DotNet\ OPCEventClientActiveX)



References - Project1		×
<u>A</u> vailable References:		ОК
 ✓ Visual Basic For Applications ✓ Visual Basic runtime objects and procedures ✓ Visual Basic objects and procedures ✓ OLE Automation AccessControl 1.0 Type Library AccessibilityCplAdmin 1.0 Type Library Active DS Type Library Active DS Type Library ActiveX DLL to perform Migration of MS Repository V: AdHocReportingExcelClientLib ADOR AgControl 5.1 Type Library AP Client 1.0 HelpPane Type Library AP Client 1.0 Type Library OLE Automation 	Priority	Cancel Browse Help
Location: C:\Windows\system32\stdole2.tlb Language: Standard		

Figure 11: Browse the OPC AE Net Logger Path

3. Select the "IntegrationObjects.OPCEventClientDotNetActiveX.tlb" and click on the *Open* button.

🚖 Add Reference	×
Look in: 🚺 OPCEventClientActiveX 🗾 🗲 🛍) 💣 🎟 🕶
Name	Date modified
IntegrationObjects.Logger.SDK.dll	04/04/2016 09:36
MIntegrationObjects.OPCEventClientDotNetActiveX.dll	30/01/2017 10:04
IntegrationObjects.OPCEventClientDotNetActiveX.tlb	30/01/2017 10:20
IntegrationObjects.OPCNetClientSDK.dll	01/07/2016 12:47
🚳 License.dll	20/01/2017 15:16
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File name: IntegrationObjects.OPCEventClientDotNetActive	<u>O</u> pen
Files of type: Type Libraries (*.olb;*.tlb;*.dll)	Cancel
	Help

Figure 12: Select the Type Library (.tlb) File



4. Once the IntegrationObject_OPCEventClientDotNetActiveX reference is checked, click on OK



Figure 13: Check the OPC Event Client Net ActiveX Reference

Step3: Add the OPC Event Client Net ActiveX Component to the Toolbar

5. Select the Project menu item and click on Components



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Figure 14: Select Projet Components

6. Check the IntegrationObject_OPCEventClientDotNetActiveX component then click on the OK button



Components	×
Controls Designers Insertable Objects HHActiveX 1.0 Type Library HybridAppControls IFIX Color Button Control module	
IOOPCActivex ActiveX Control module IStudio Active Designer Controls KM Rdp Protocol Provider 1.0 Type Library LayoutDTC 1.0 Type Library	Browse elected Items Only
IntegrationObjects_OPCEventClientDotNetActiveX Location: C:\Windows\system32\mscoree.dll	ncel Apply

Figure 15: Select the OPC Event Net ActiveX Component

7. Select the IOEventClientDotNetCtrl already added in the toolbar and draw the control in the form as shown below







Figure 16: Add the OPC Event Client Net ActiveX Component to the Form





For additional information on this guide, questions or problems to report, please contact:

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