

Description: Guide to installing the BizViz Manufacturing Intelligence Suite of products.

OS Requirement: Windows XP / Windows Vista / Windows 7 / Windows 8 / Windows Server 2003 / Windows Server 2008 / Windows Server 2008 R2 / Windows Server 2012

General Requirement:

Installing the BizViz Suite

BizViz DVD has an option for a simplified installation by providing a “BizViz Suite” installation with BizViz V9.2. This installation option allows you to pick and choose which BizViz components you would like to install, and through consolidation of our database and configuration wizards, allows you to install multiple BizViz products in much less time! For convenience purposes, the standalone installations for each product are still available and can be launched directly from the BizViz V9.2 DVD as well.

Product Requirements

Each product in the BizViz Suite has its own specific set of requirements in addition to the shared .NET-based requirements (i.e. the Microsoft .NET Framework 2.0). The most notable of those is that **PortalWorX** can only be installed on Server Class operating systems (i.e. Windows Server 2003/2008). The other BizViz products (BridgeWorX, Productivity Analytics, Alarm Analytics, ReportWorX, Unified WebInterface and MobileHMI) can be installed on Windows XP, Windows Server 2003/2008, Windows Vista, or Windows 7. PortalWorX and Unified WebInterface require WebHMI to be installed as well.

Please note that while it is perfectly fine to install everything on the same machine, for optimal performance it is recommended that you use a distributed architecture. By having your BizViz products (with IIS) on one machine and your SQL Server on another machine, you can drastically improve the performance of your application. This is because both IIS and SQL Server can be memory-intensive processes.

If at any stage during the installation, InstallShield detects that your system is missing one of the required components, it will notify you immediately and give you some general instructions on how to install or obtain that required component.

The prerequisites, with the exception of Internet Information Services (IIS) and Windows SharePoint Services, are available on the BizViz DVD and are launched automatically as soon as you authorize their installation. One note for the Microsoft .NET Framework however, is that if you are running a *non-English* operating system, it is highly recommended that you download the .NET Framework in your native language (from Windows Update), because the one installed from the DVD is in English.

Internet Information Services must be installed through the Add/Remove Windows Components and Features dialog.

Windows SharePoint Services is available free of charge from the Microsoft website, but we do require users to download it themselves due to the variety of different languages in which it is offered. For more information on downloading and installing Windows SharePoint Services, see the applications note titled *PortalWorX – Installing SharePoint Services*.

Installing the BizViz Suite

Since version 9.2, we have added a one click installation to help you quickly install all of the products within the BizViz Suite. Using this option, you can choose to install the different products within BizViz going through a single installation wizard. If you choose to use this option to install, you can follow the easy on screen instruction to install the products you need. When you are done with the installation, restart the machine to begin working with the different products.



Figure 1 - BizViz Suite Installation

The rest of this application note will talk about installing the BizViz individual products.

Installing the BizViz FrameWorX

The first time you install any BizViz application, you will most likely be prompted to install a set of prerequisites including the BizViz FrameWorX. All BizViz products require this component. You will see the following dialog when it is time to install it.

Depending on your system a Windows Installer dialog will appear which determines the prerequisites required for BizViz installation similar to Figure 2.

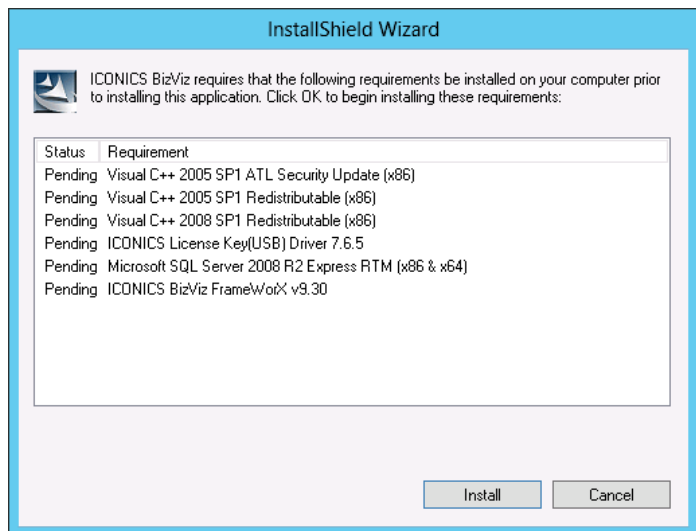


Figure 2 - BizViz Requirement Dialog

After this the main screen of the BizViz FrameWorX installation will appear. Click Next through the dialogs (the defaults are perfectly fine for installing), and wait for the installation to finish. If during the installation you choose to run ICONICS Application Setup Utility (default) the following dialog is displayed (see Figure 3).

Choose an account under which the ICONICS services will be running and click OK.

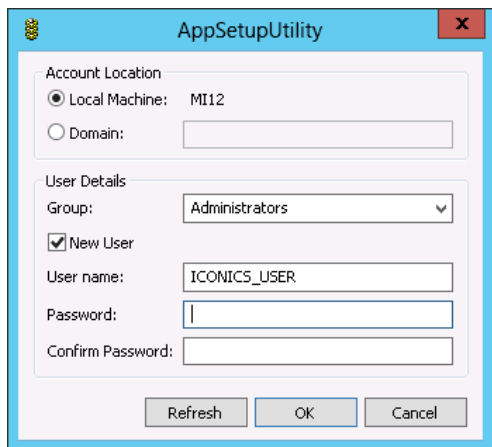


Figure 3 - Application Setup Utility Dialog

Once the installation is complete you will be prompted to reboot. Click “Yes” to Reboot for the FrameWorX installation to complete.

NOTE: You only need to install the BizViz FrameWorX once per server. After that, the rest of your BizViz product installations will detect that it is already installed and run uninterrupted.

In the following sections, each product is listed with some helpful hints about their respective installations. Note that there is *no particular order* in which these products need to be installed.

BridgeWorX

The BridgeWorX calls a User Configuration Wizard during the installation. The first screen of the wizard looks like the one in

Figure 4. Please note that there is a very remote possibility that if you click somewhere else while this wizard is launching, it may get hidden in the background. If the BridgeWorX installation doesn’t appear to be doing anything, try using Alt+Tab to switch windows until the BridgeWorX User Configuration Wizard window is found.



Figure 4 - BridgeWorX User Configuration Wizard

Click Next to begin. The first page asks you to select or create a BridgeWorX user (see

Figure 5). This is the account under which the BridgeWorX Service will run. You can dedicate a specific user for that purpose, or you can use an existing Administrative account. Note that the account you select must have Administrative privileges so that BridgeWorX can access things like OPC Servers and other COM objects. Existing User is usually the best option, especially if you are on a domain.

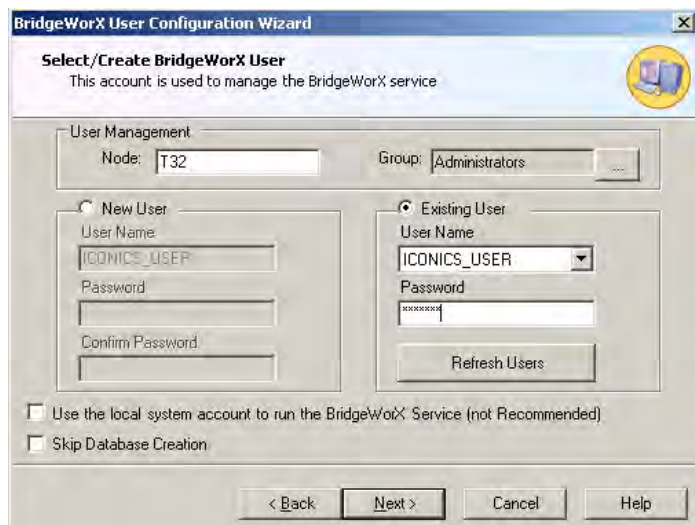


Figure 5 - Select/Create BridgeWorX User

Click Next and the BridgeWorX Database Creation Wizard starts. When the database is created, click Finish to complete your installation. At the end you will be prompted to reboot. You can do so now, or if you have other BizViz products to install, you can do it later.

ReportWorX

Follow the BridgeWorX installation steps for the ReportWorX one, since it uses the exact same User Configuration and Database Creation Wizards as BridgeWorX.

Alarm Analytics

The Alarm Analytics installation is similar to the BridgeWorX one, and it uses the exact same User Configuration and Database Creation Wizards as BridgeWorX, so refer to the BridgeWorX section for help with that wizard.

NOTE: Installation ReportWorX installs Alarm Analytics and vice versa.

MobileHMI

The MobileHMI installation is extremely simple. You only need to make a decision about is which Web site you would like to install MobileHMI on. Typically the Default Web Site is a suitable choice here, unless you want to run MobileHMI on its own dedicated Web site.

Productivity Analytics

The Productivity Analytics installation requires the same steps as the BridgeWorX one. Refer to the BridgeWorX section for the installation help.

NOTE: Productivity Analytics additional requires SQL Server 2005 and higher.

PortalWorX

Once you get through the requirements of IIS, SharePoint, and the BizViz FrameWorX you will see that PortalWorX also requires WebHMI. There are two very good reasons for that: Many PortalWorX Web Parts are built on top of WebHMI components, requiring WebHMI cab files for quick client install. Those components require WebHMI communication technology (via GenBroker, through a .gbx file) to obtain Licensing, Security, and tag browsing capabilities.

NOTE: It is extremely important to know that you will need a WebHMI license in order to make full use of the points noted above. Without a WebHMI license, the PortalWorX server will run correctly, but remote PortalWorX clients will only run in 2-hour demo mode for web parts that require ICONICS licensing.

The WebHMI installation is included in PortalWorX. For WebHMI you only need to enter your computer name in SetHostUtility popup dialog. The PortalWorX Database creation wizard is called during the installation. After it finishes the installation should run without any other interruptions.

Choose a web site on which to install PortalWorX when prompted. The Default Web Site is usually a suitable choice.

Unified Web Interface

The Unified Web Interface installation is very straightforward. Similar to PortalWorX, it also includes WebHMI. You do not need to run a separate WebHMI installation. The Unified Web Interface Database creation wizard is called during the installation. After the database is created the only option you may be asked about is on which web site you would like to install the Unified Web Interface. If you are asked that question, most of the time the Default Web Site is an acceptable answer, but if for some reason you would like to install the Web Interface on a different web site, just be sure to choose one that has not already been extended by SharePoint Services. In other words, stay away from your SharePoint and PortalWorX-related web sites. Anything else should be fine.



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APPLICATIONS NOTE

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