

Description: Guide to publishing GraphWorX64 displays

OS Requirement: Windows Server 2003 x64/Vista x64/ Server 2008 x64/Windows 7 x64/ Server 2008 R2 x64

General Requirement: Installation of GENESIS64; basic understanding of IIS 7.0

Introduction

GENESIS64 allows you to view displays over the intranet or internet in Internet Explorer. In order to take advantage of this capability, you will need to publish your displays. This document will walk you through the necessary steps to set up your machine to publish your displays using HTTP channel in IIS7.

Installing HTTP Service

The steps to install HTTP Service are slightly different depending on the operating system you are using. Here, we will only cover those steps for Windows Server 2008, Vista and Windows 7. To find out how to install the HTTP service on other operating systems, please refer to version 9 Application Notes.

First of all, we will need to install WebDAV Publishing and enable that.

Installing WebDAV on Windows Server 2008 R2

1. Open the **Server Manager**.
2. Select **Roles** from the tree on the left and under **Role Services**, make sure **WebDAV Publishing** is installed. If not, select **Add Role Services**, then select WebDAV Publishing and hit Next, then Install

NOTE: If you are running IIS 7.0 and does not have WebDAV Publishing listed, you can download "Microsoft WebDAV 7.5 for IIS 7.0 (x64)" from Microsoft website.

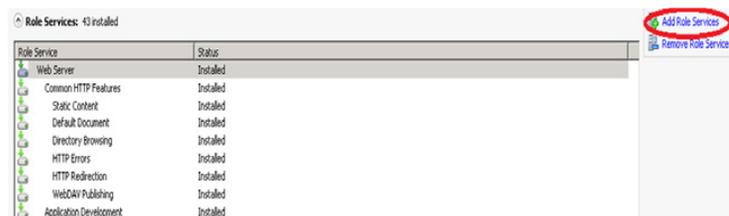


Figure 1 – Add Role Service to install WebDAV Publishing

3. After we install WebDAV, you can close the Server Manager and open the **IIS Manager**. Expand **Sites** on the left side, select the website that you want to configure the WebDAV for (e.g. 'Default Web Site').

4. Double-click on **WebDAV Authoring Rules** in the features View for the site (under **IIS**) and on the **Actions** pane (on the left), click **Enable WebDAV**.



Figure 2 – Enable WebDAV

5. Afterwards, we need to configure the permissions. In the **Connections** pane on the left, click on the directory/virtual directory you want to configure Web Publishing permissions for (it will be the 'PubDisplay').
6. Double-click on **WebDAV Authoring Rules** in the Features View for the PubDisplay (under **IIS**), and then on the **Actions** pane (to the left), click **Add Authoring Rule...**
7. Modify the permissions as you see fit for your server. In order to publish from GraphWorX64 to this directory, you must give the user(s) at least write permission. Click OK when you are finished. The rule should now appear in the list of the WebDAV Authoring Rules. Click OK.

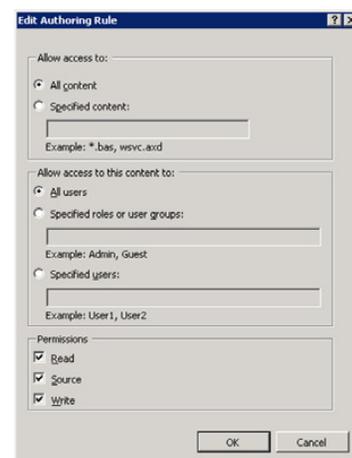


Figure 3 – Edit Authoring Rule

8. Back in the Web Sites → PubDisplay, double-click on **Directory Browsing** in the Features View for the directory/virtual directory. On the **Actions** pane, click on **Enable**.
9. Finally, we want to configure the server-wide authentication. On the Connections pane, click on the server name and double click on the **Authentication** in the

Features View for the server (under **IIS**). Right-click on **Windows Authentication** and click **Enable**.

- Any Windows user who was included in a WebDAV Authoring Rule can now publish from GraphWorX64 to the server.

NOTE: Anonymous Authentication does **NOT** work in IIS7 (by design, anonymous access does not allow uploading files). This however, does work in IIS6.

Installing and Enabling WebDAV on Windows Vista and Windows 7

- Open the Control Panel and select **Programs and Features**.
- In the **Programs and Features** dialog, select the **Turn Windows Feature on or off** option on the left hand side.
- In the Windows Features dialog, check the Internet Information Services → World Web Services → Common HTTP Features → WebDAV Publishing option if it's not already checked.
- After we install WebDAV, you can close the Server Manager and open the **IIS Manager**. Expand **Sites** on the left side, select the website that you want to configure the WebDAV for (e.g. Default Web Site).
- Double-click on **WebDAV Authoring Rules** in the features View for the site (under **IIS**) and on the **Actions** pane (on the left), click **Enable WebDAV**.
- Afterwards, we need to configure the permissions. In the **Connections** pane on the left, click on the directory/virtual directory you want to configure Web Publishing permissions for (it will be the 'PubDisplay').
- Double-click on **WebDAV Authoring Rules** in the Features View for the PubDisplay (under **IIS**), and then on the **Actions** pane (to the left), click **Add Authoring Rule...**
- Modify the permissions as you see fit for your server. In order to publish from GraphWorX64 to this directory, you must give the user(s) at least write permission. Click OK when you are finished. The rule should now appear in the list of the WebDAV Authoring Rules. Click OK.
- Back in the Web Sites → PubDisplay, double-click on **Directory Browsing** in the Features View for the directory/virtual directory. On the **Actions** pane, click on **Enable**.
- Finally, we want to configure the server-wide authentication. On the Connections pane, click on the server name and double click on the **Authentication** in the Features View for the server (under **IIS**). Right-click on **Windows Authentication** and click **Enable**.
- Any Windows user who was included in a WebDAV Authoring Rule can now publish from GraphWorX64 to the server.

NOTE: Anonymous Authentication does **NOT** work in IIS7 (by design, anonymous access does not allow uploading files). This however, does work in IIS6.

Publishing a Display

- You are now ready to publish your display. Open **GraphWorX64** and then select **Publish** from the Menu.
- In the Web Publishing Wizard, click **Next**.
- Select the file you wish to publish. If you do not already have a file, you can choose one from the GenDemo directory. Click **Next** to proceed.
- On the next screen, check the related files that you wish to publish, make sure that you do not check the same file twice and then click **Next**.
- In the "Select a Publishing Location" dialog click the **New...** button to create a new server to publish our displays.
- In the Web Server Configuration dialog, change the protocol to HTTP and enter your host name or IP address for the web server.
- In the Virtual Directory text box, we can enter "/PubDisplay", which should be there by default.

NOTE: You can check the 'Save this web server with a friendly name' option if you wish. This allows you to display a friendly name for this connection instead of the connection path.

- Your finished Web Server Configuration should look similar to Figure 4.

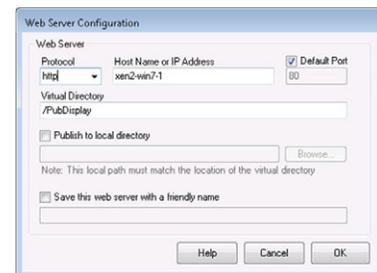


Figure 4 - Web Server Configuration

- Click **OK** to return to the Web Publishing Wizard and then click **Next** to continue.
- Give a local administrator user name and password in this screen. Only a local administrator has default privileges to use HTTP commands.
- Click **Publish** to start publishing your files. You should get a summary of the files status.

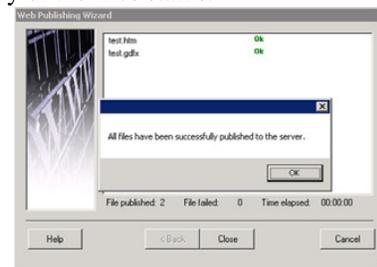


Figure 5 - Publishing Completed