

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.

Installing FTP Service

The steps to install FTP Service are slightly different depending on the operating system you are using. Here, we will only cover those steps for Windows Server 2008 R2, Vista and Windows 7. To find out how to install the FTP service on other operating systems, please refer to version 9 Application Notes.

Installing FTP on Windows Server 2008 R2

1. Open the Control Panel and select Programs and Features.
2. In the Programs and Features dialog, select the **Turn Windows Feature on or off** option on the left hand side.

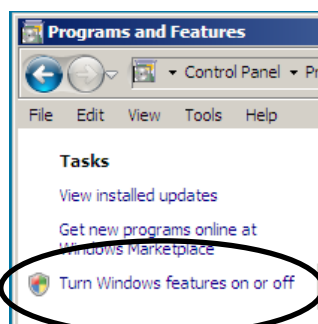


Figure 1 - Turn Windows Features On or Off

3. In the Server Manager MMC that comes up, scroll down to find Roles Summary to check that you have the Web Server (IIS) role listed.

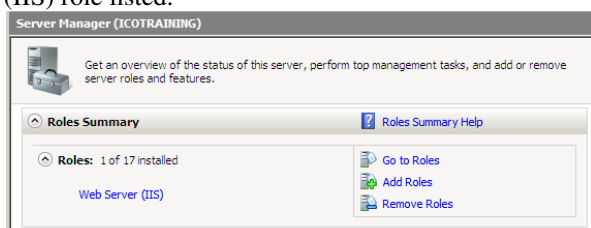


Figure 2 - Web Server (IIS) Role

4. If you have this role as shown in Figure 2, skip to step 7, if not, click the **Add Roles** link to bring up the Add Roles Wizard.
5. In the Wizard, select **Server Roles** on the left hand side, and check the Web Server (IIS) and follow through the dialog to complete the IIS installation.
6. You should now be in the Server Manager MMC again.
7. Click **Roles** on the left hand side and select **Web Server (IIS)**.
8. Scroll down to find the Role Services Section and click the **Add Role Services** link.

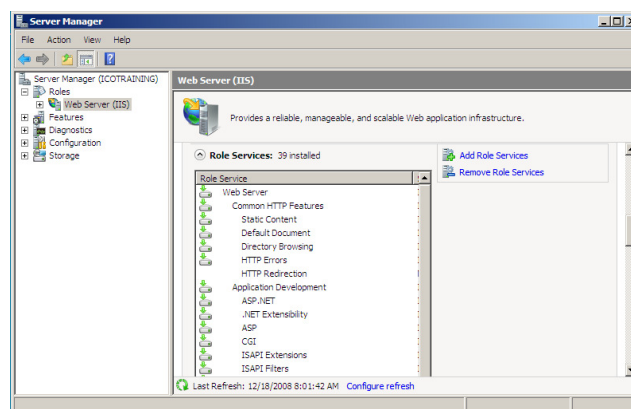


Figure 3 - Web Server Role Services

9. In the Select Role Service dialog, scroll down to the bottom and check the FTP Publishing Service option. Click **Next** and follow through the dialog to install your FTP Service.
10. Your FTP service should now be installed. To check this, you can open up Internet Explorer (IE) and just type <http://localhost/> in the URL and see if it will open an IIS welcome page. If it does, then it is installed properly.

Installing FTP on Windows Vista and Windows 7

1. Open the Control Panel and select **Programs and Features**.
2. In the **Programs and Features** dialog, select the **Turn Windows Feature on or off** option on the left hand side.
3. In the Windows Features dialog, check the Internet Information Services option if it's not already checked.
4. Expand Internet Information Services and check the FTP Publishing Service.
5. Then click OK and following the installation dialog to install these services.

Setting Up Your FTP Sites and Virtual Directory

1. Once you have successfully installed your FTP service, open an Internet Information Services (IIS) Manager from Control Panel → Administrative Tools.

NOTE: If you have two IIS Manager, please use the one with no version as it is usually the latest (v7.0) version that we want to use.

- Expand your local computer. If you have an FTP site configured, skip to step 5. If you don't have a Default FTP Site, you can create one by right-clicking on **Sites** and select 'Add FTP Site'. You can give the FTP site name any name you want (e.g. Default FTP Site) and the physical path should be something that is accessible (C:\Program Files\ICONICS\GENESIS64\WebSites) via internet. Then click **Next**.
- For the Binding and SSL settings, leave the IP address as **All Unassigned** and the port to 21, then check the 'Start FTP Site Automatically', and set it to No SSL required. Select **Next**.

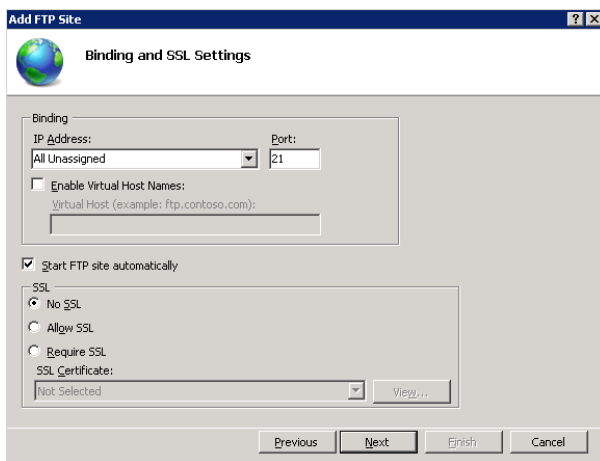


Figure 4 – Add FTP Site (Binding and SSL Settings)

- In the Authentication, check both **Anonymous** and **Basic**. Set the Authorization to All Users, and allow **Read** and **Write** permissions. Click **Finish**.

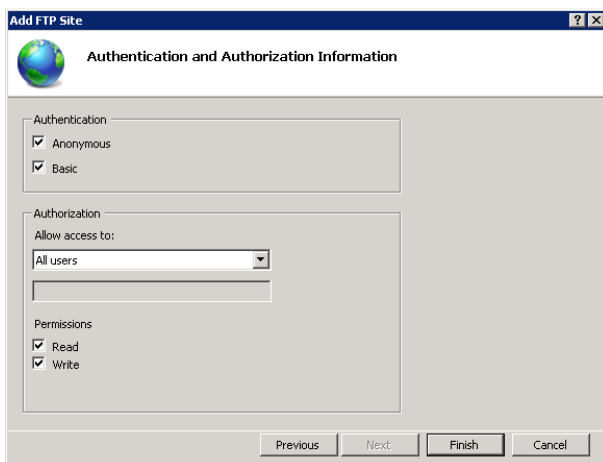


Figure 5 – Add FTP Site (Authentication and Authorization Information)

- Now we need to create a Virtual Directory: Right-click on Default FTP site and select **Add Virtual Directory...**
- Name the virtual directory and alias, let's call it "GENESIS64" and the physical path should be one that's internet accessible. Here, we will point it to C:\Program Files\ICONICS\GENESIS64.
- Click the **Test Settings...** to make sure you can connect. If not, you will need to modify the user connection (**Connect as...**) to use different user that have access to the folder pointed before. This usually is a local administrator user.
- Click **OK** to finish after test is successful. You should now see your virtual directory listed under your FTP Site.

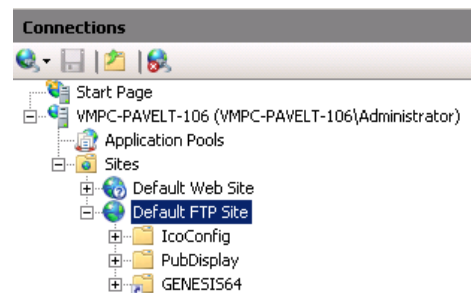


Figure 4 - Virtual Directory

- Right-click your Default FTP Site then go to Manage FTP Site, if it's stopped, start it. You may want to set the FTP Service to automatically start in the future.

Publishing a Display

- You are now ready to publish your display. Open GraphWorX64 and click the **GraphWorX64** button to select **Publish**
- 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 web server dialog, click the **New...** button to create a new server to publish our displays.
- In the Web Server Configuration dialog, change the protocol to FTP 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 it to display a friendly name for this connection instead of the connection path.

8. Your finished Web Service Configuration should look similar to Figure 5.

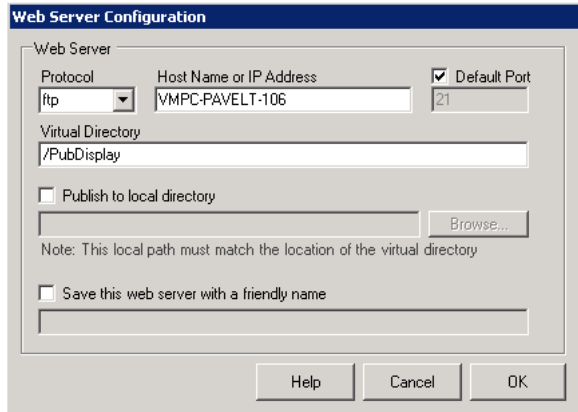


Figure 5 - Web Server Configuration

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

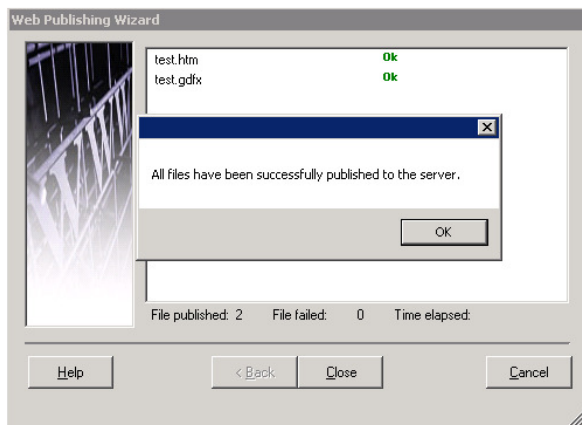


Figure 6 – Publishing Completed

NOTE: Please notice that published display is located in the following folder: C:\Program Files\ICONICS\GENESIS64\WebSites\PubDisplay. If you want to access this display via WEBHMI Client please refer to application note "GENESIS64 - Running in Internet Explorer".