

Description: Guide to configure a Windows to publish GraphWorX32 displays via FTP for WebHMI.

OS Requirement: Win 2000, XP Pro, Server 2003, Vista, Server 2008, Windows 7

General Requirement: Installation of GENESIS32 v9.x, WebHMI v9.x, and FTP Services

Introduction

Due to security vulnerabilities windows does not support HTTP publishing since Windows Server 2003. However, it is still possible to publish your displays via FTP.

This document lists the steps regarding how to publish your displays via FTP channel. Publishing displays is a 2 step procedure 1st you have to set-up FTP sites and then create a Virtual FTP directory then use GraphWorx32 to publish pages.

Installing the FTP Service

Windows XP / Server 2003

1. Go to Start → Settings → Control Panel → Add/Remove Programs
2. Click on “Add/Remove Windows Component” button.
3. Click on “Application Server for Windows Server 2003 ” and click “Details”
4. For Windowx XP goto Click on “IIS” and then click “Details”
5. Check the box besides FTP Services and click “OK”.

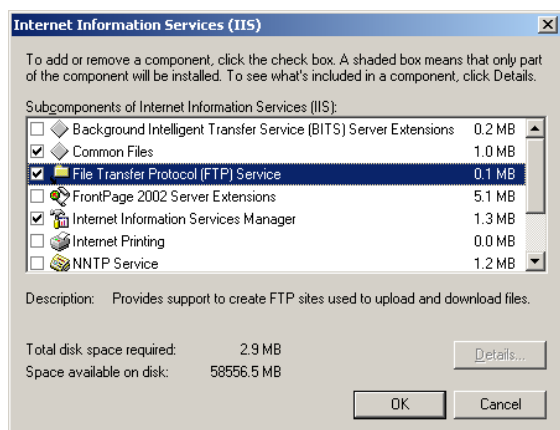


Figure 1 - Installing FTP Services on Windows Server 2003 / XP

6. Click “OK” until you reach the Add/Remove Windows Component dialog. Click “Next” to install the FTP Service.

Windows Vista / Windows 7

1. Go to Start → Settings → Control Panel → Programs and Features.

2. Turn Windows Feature On or Off.
3. Select Internet Information Service / FTP Publishing.
4. Check FTP Mamangement / Server and Press OK.

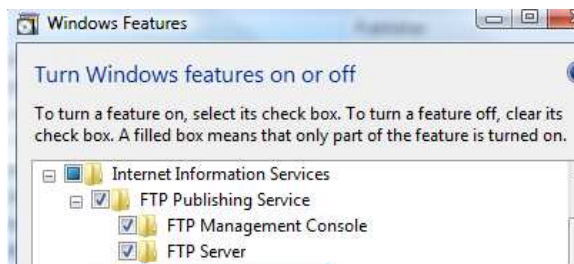


Figure 2 - Installing FTP Services on Windows Vista

NOTE: Some of the features listed upon cannot be present, because the features are differend for Windows Vista, 7 and 2008 . We recommended install all available features for the IIS.

Windows Server 2008

1. On the **Start** menu, click **Administrative Tools**, and then click **Server Manager**.
2. In the **Server Manager Pane**, in the **Roles Summary** section, click **Web Server (IIS)**.
3. In the **Web Server (IIS)** section, click **Add Role Services**.
4. Under **Role services**, select **FTP Publishing Service**. This will install the FTP service and the FTP management console.
5. Click **Next**, and then click **Install**.

Creating a Virtual Directory in IIS Server

Currently there are two version of the IIS. IIS v6.0 and IIS v7.0. We are using IIS v6.0 on Windows XP / Server 2003 and Vista and IIS 7.0 on Windows 7 and 2008.

Windows XP / Server 2003 / Vista

1. Open the IIS Manager by going to Start → Settings → Control Panel → Administrative Tools → Internet Information Services
2. In the tree control on the left-hand side in the IIS Manager, expand your computer → FTP Sites.
3. Right-click on Default FTP Sites and select New → Virtual Directory.

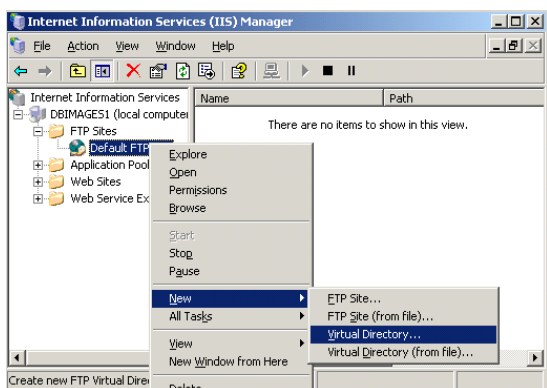


Figure 3 - Creating a Virtual Directory

4. Type in “WebHMI” (without quotes) as the Alias of the directory and click “Next”.
5. Click on the “Browse” button and browse to C:\Program Files\ICONICS\WebHMI, and click “Next”
6. Check both Read and Write Permissions for the virtual directory if it is not already checked. Click “Next”
7. It should confirm that you have successfully created a virtual directory. Click “Finish” to complete the process.
8. In the IIS Manager window, right-click on Default FTP Site and select Properties.
9. Go to the Home Directory tab and check Write to give write permissions and click “OK”

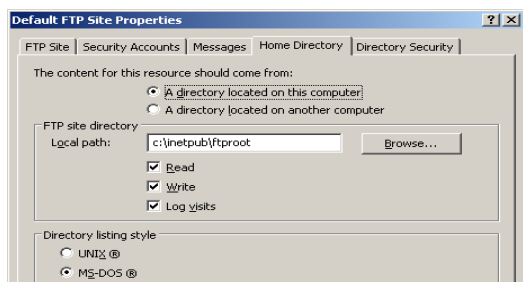


Figure 4 - Default FTP Site Home Directory

10. You can close the IIS Manager

Windows 7 / Server 2008

1. Go to Start → Settings → Control Panel → Items\Administrative Tool → Internet Information Services (IIS) Manager .
2. Expand Sites → Add FTP Site.

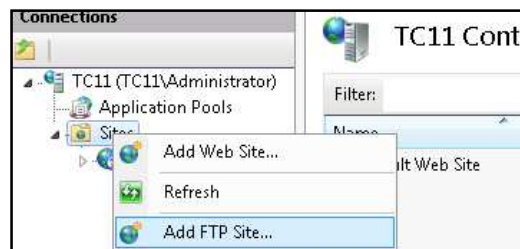


Figure 5 - Adding FTP Site

3. Enter FTP site name (WebHMI) and locate WebHMI directory and Click Next.

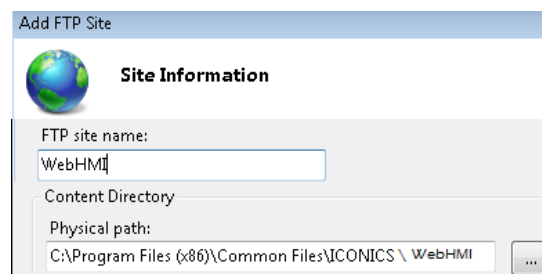


Figure 6 - FTP Physical Directory

7. Select All Unassigned / Start FTP Site Automatically.
8. No SSL and Press NEXT.
9. For Authentication, check anonymous and BASICa and Authorization / Permission Check All User or Specific User.



Figure 7 - Authorization and Permissions

4. Check Read and Write Under Permissions

NOTE: By default, the FTP service is not installed on IIS 7. X Web Server (IIS). In the Web Server (IIS).

Publishing Displays Using GraohWorx32

1. Create or Open a GrahpWorx32 display to be published.
2. Save your GraphWorX32 display without VBA



Figure 8 - Saving GraphWorx32 Display

3. After saving, lick on the “Publish to HTML”  button and click on Advance Tab.

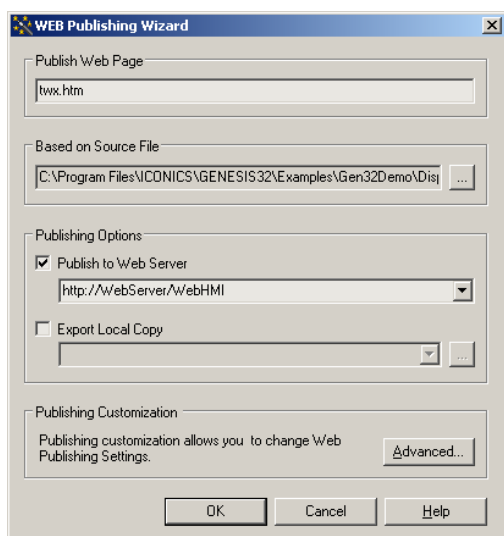


Figure 9 - Publishing GraphWorx32 Display

NOTE: Do not change the path in Publish to Web Server to a FTP path. You should leave that as HTTP.

4. Click on Publishing Channel tab and select to use the FTP Channel, and then click “OK”.

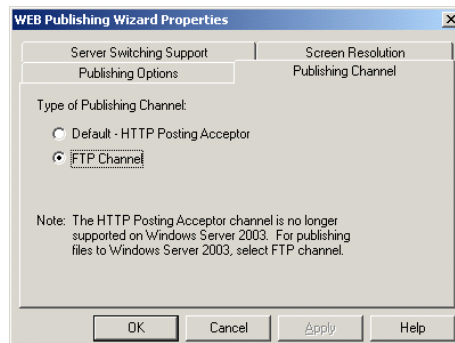


Figure 10 - Publishing Channel

5. Click “OK” to Publish in the Web Publishing Wizard.
6. An FTP Connection window will pop-up, fill in the FTP Path as: <ftp://WebServer/WebHMI> (you should replace WebServer with the name of your computer or your IP address)
7. Enter a user name and password and then click “OK” to finish Publishing.

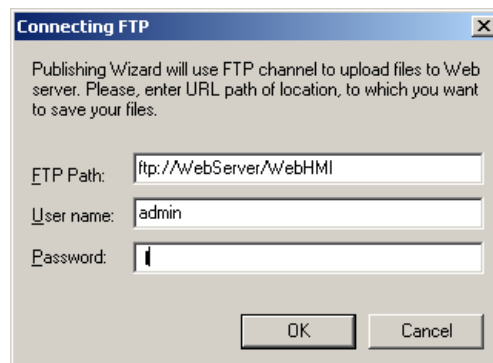


Figure 11 - FTP Connection Credentials

NOTE: For successful publishing, you must use an administrator account which must have a password. An administrator account with a blank password will not work.

8. You should get a confirmation that the pages published successfully or a failure message.
9. Once you have published successfully, you can try to view your pages on a client machine without GENESIS32 You would view the page on your client machine by going to <http://WebServer/WebHMI/PublishedPage.htm>