Making a Windows 2003 Web Server

December 20, 2010

Building Our Own Web Server

We can build our own web server by utilizing the Internet Information Services (IIS) Manager which we loaded with the Windows 2003 Server.
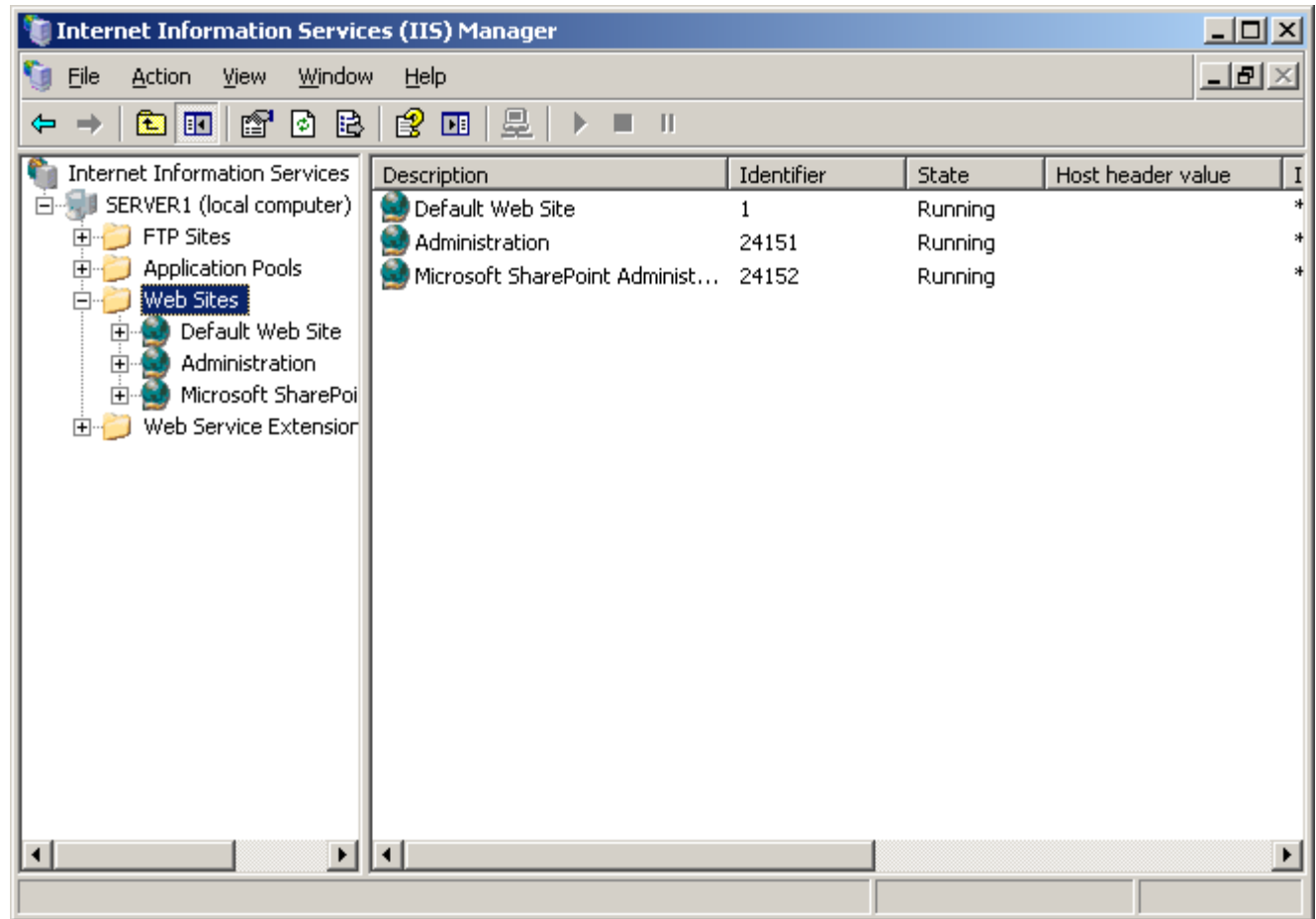
Opening the IIS Manager Window

We can open the IIS Manager by choosing the Start button, then Administrative Tools, and then the IIS Manager.
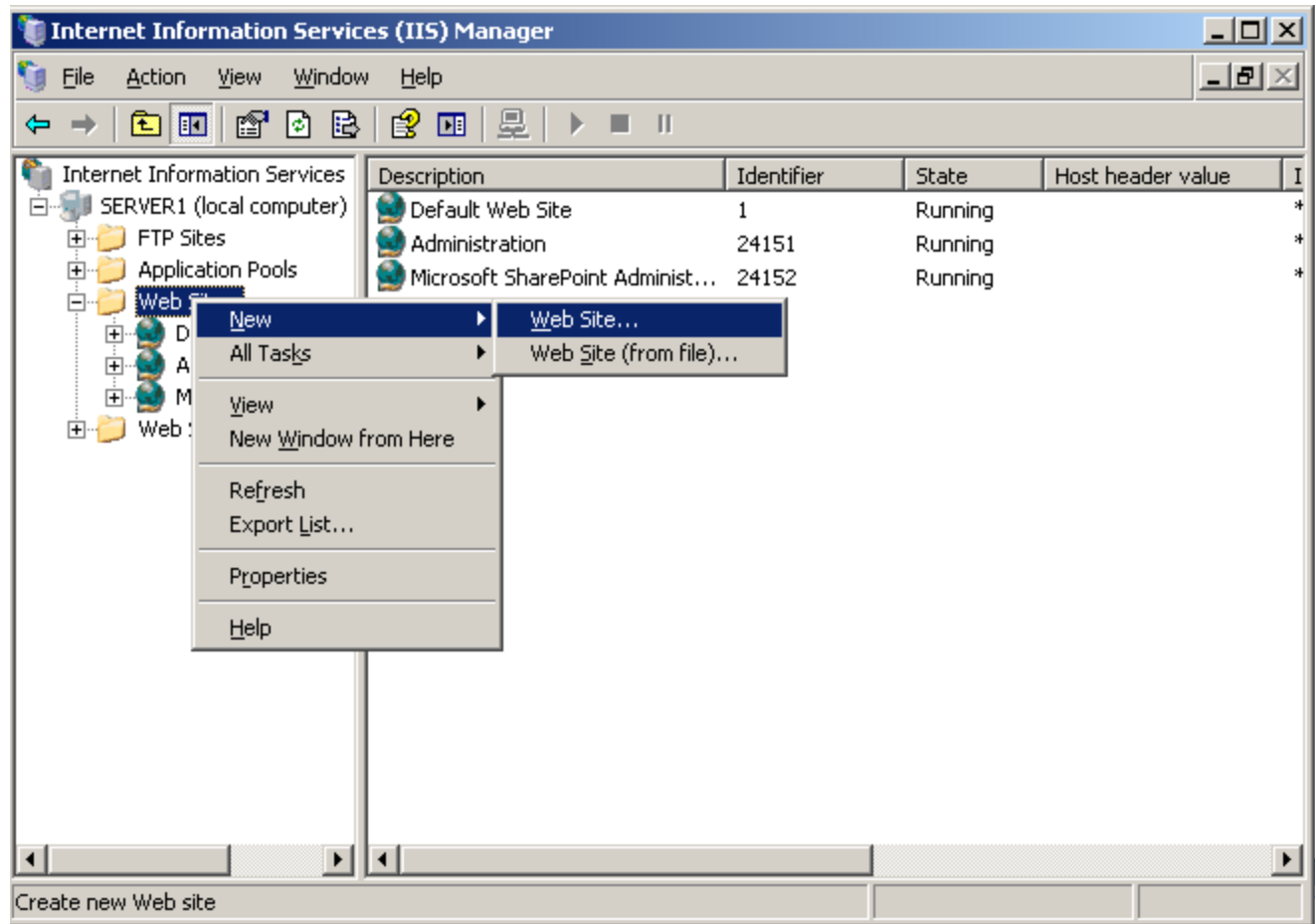
The IIS Manager Window

When we open the IIS Manager, we can expand the folder to view the Web Site directory.

Adding a Website

We then right click on the Web Site folder and pick New from the sub menu and Web Site.
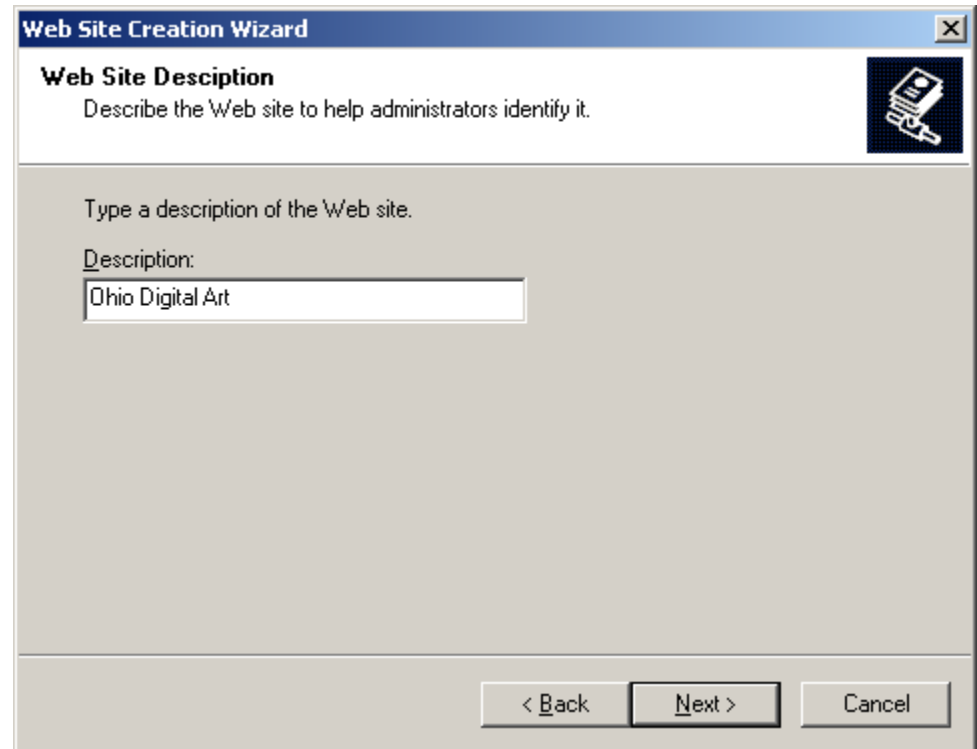
The Web Site Creation Wizard

The Welcome to the Web Site Creation Wizard will appear. We press the Next button to continue.

The Web Site Description

For our web site description, we will type a short phrase describing the site. Our site name is Ohio Digital Art which we made in the HTML Basics online textbook by World Class CAD.
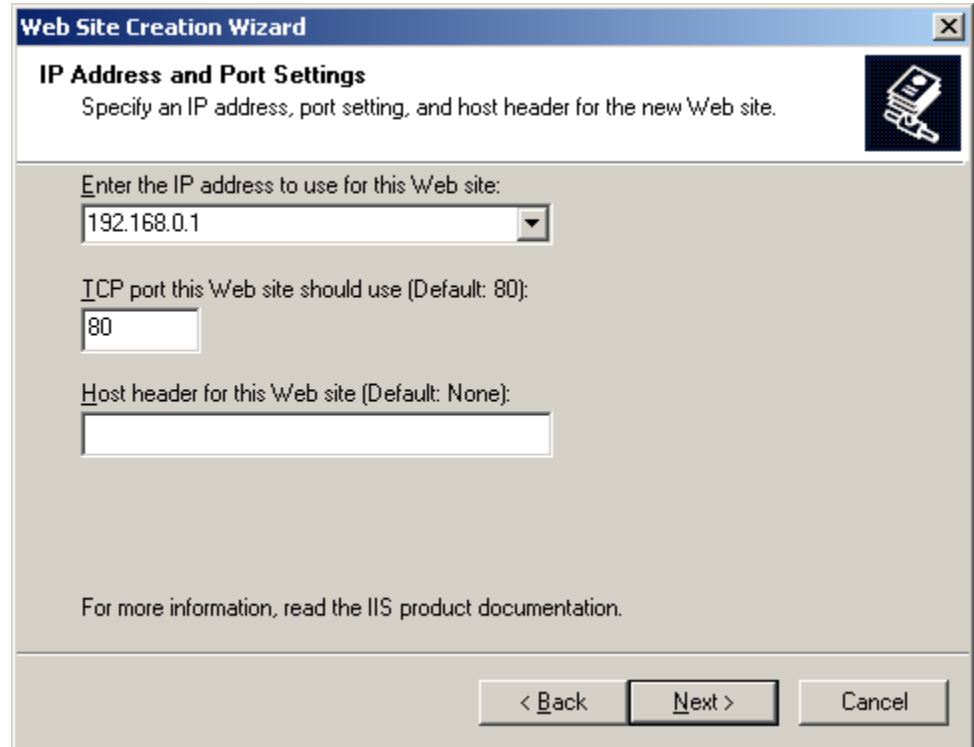
Then we will click on the Next button to advance to the next window.

IP Address and TCP Port

Our server has the IP address of 192.168.0.1, so we will use that address. We will use the default TCP port of 80. Then we will push the Next button to advance to the next window.
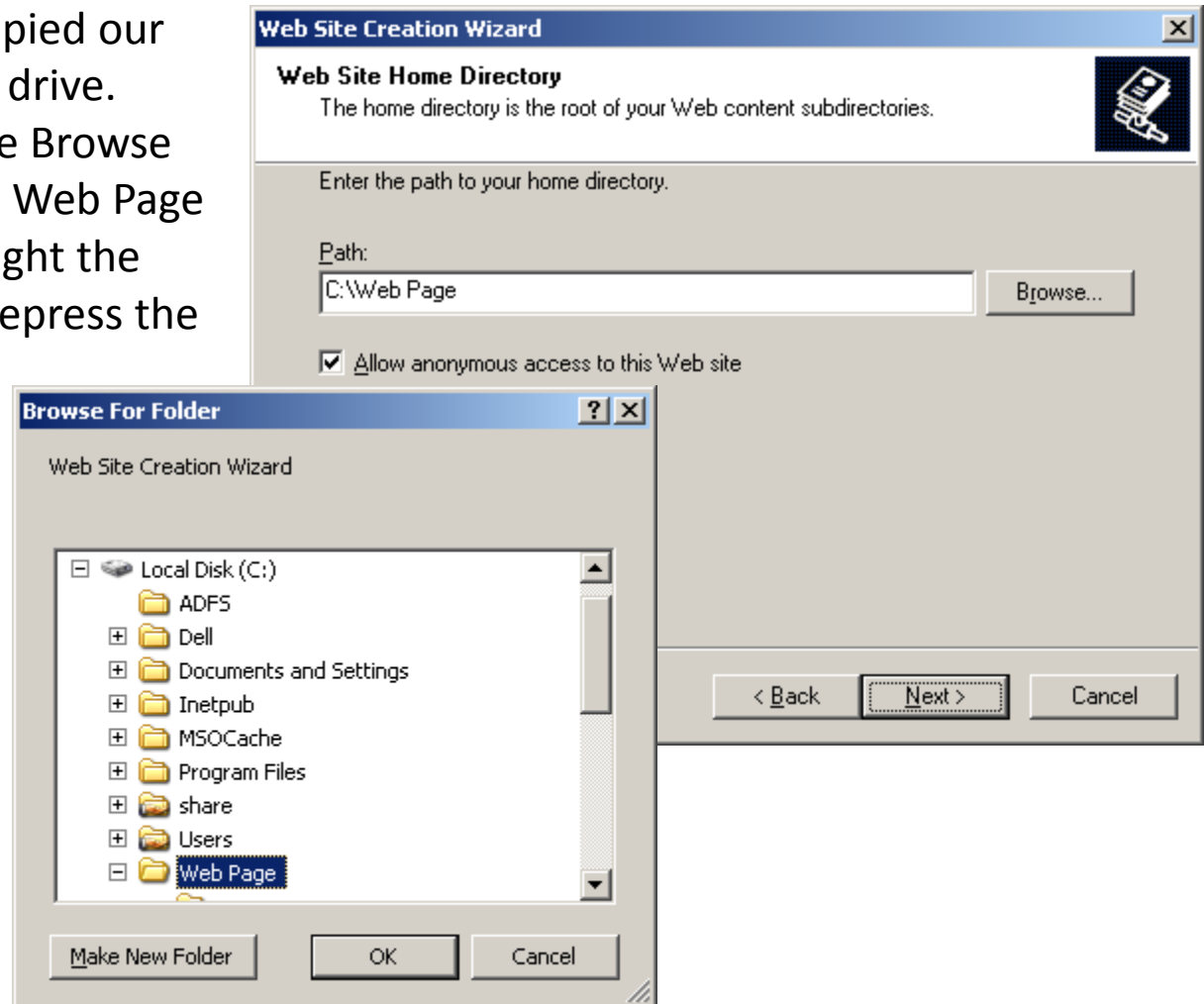
Web Site Home Directory

Prior to this lesson, we copied our web page folder to the C: drive. Therefore, we will pick the Browse button and search for the Web Page directory. When we highlight the Web Page directory, we depress the OK button.

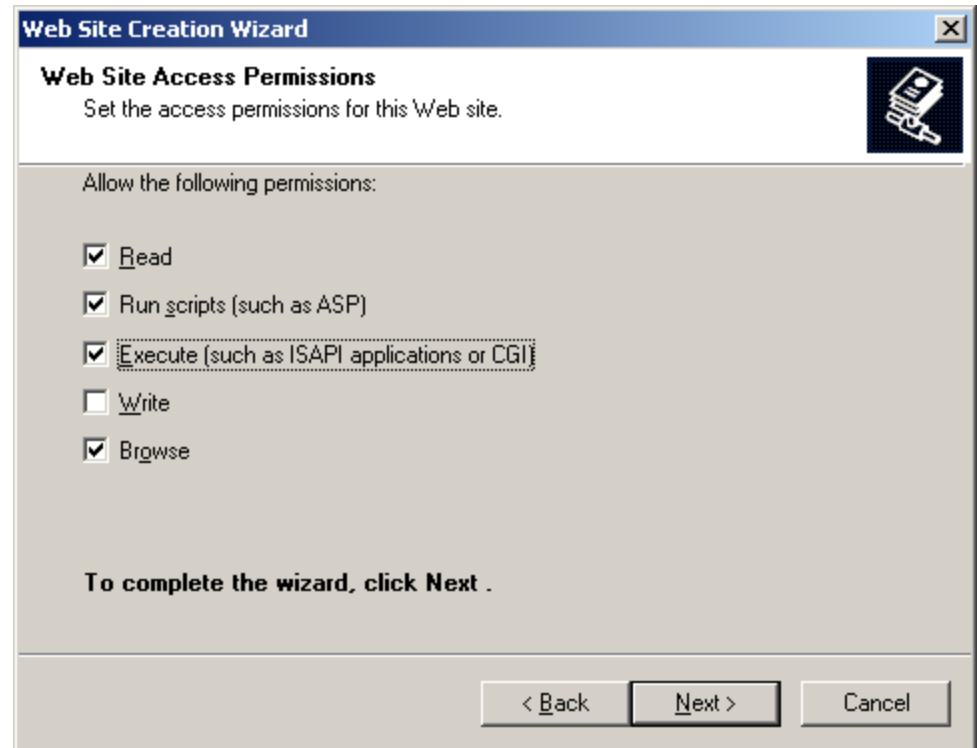The path to the Web Page folder will appear in the Path textbox.

To move along, we choose the Next button.
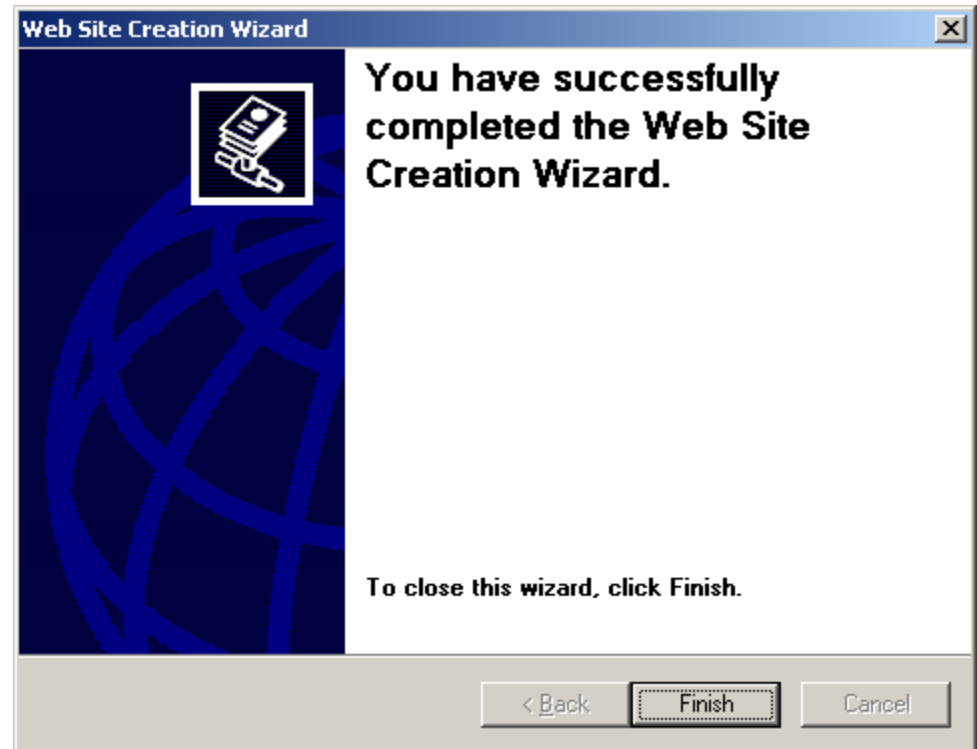
Web Site Access Permissions

We will check the Read, Run Scripts, Execute CGI and Browse checkboxes.

We then will opt for the Next button to proceed.
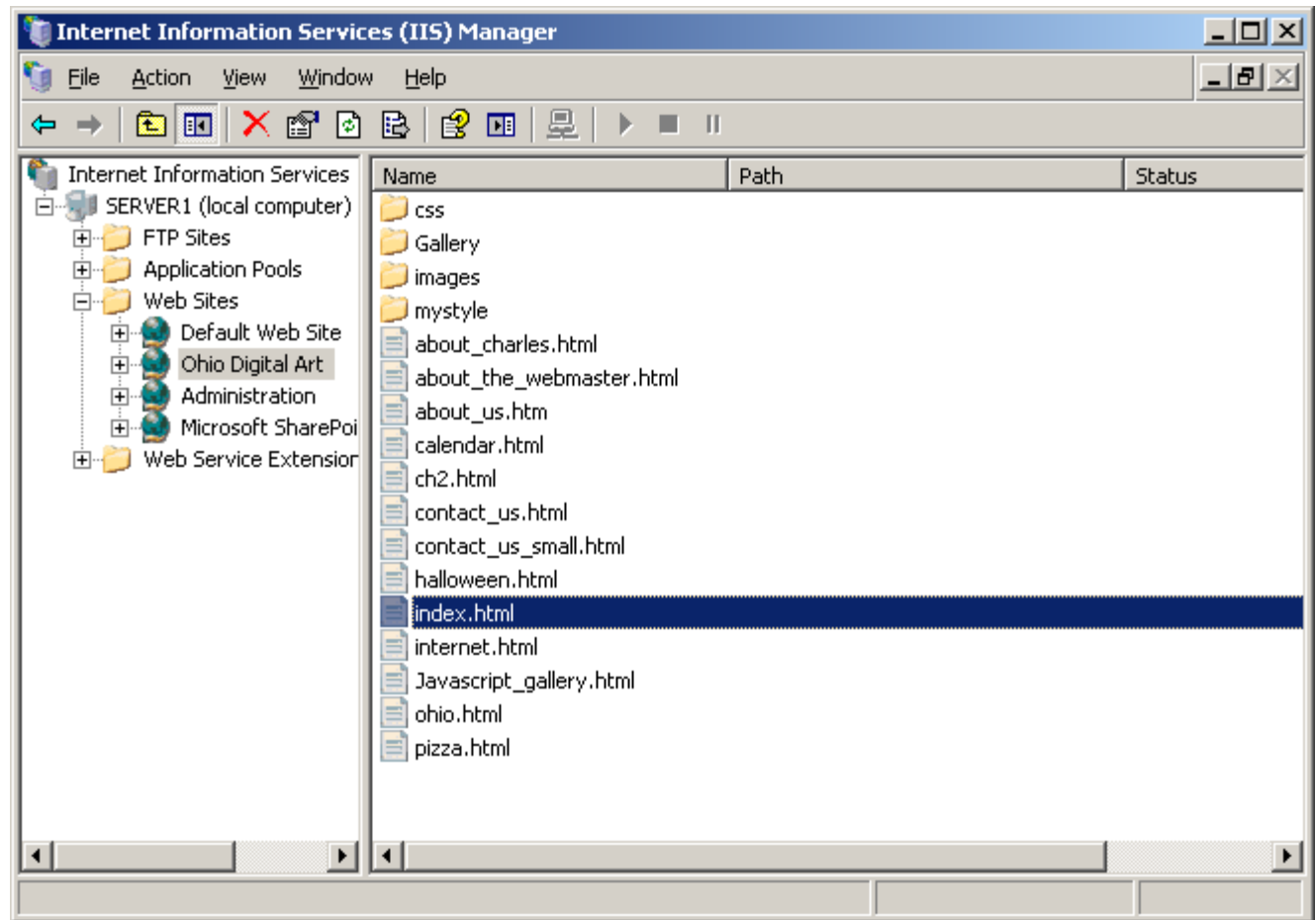
Completing the Web Site Wizard

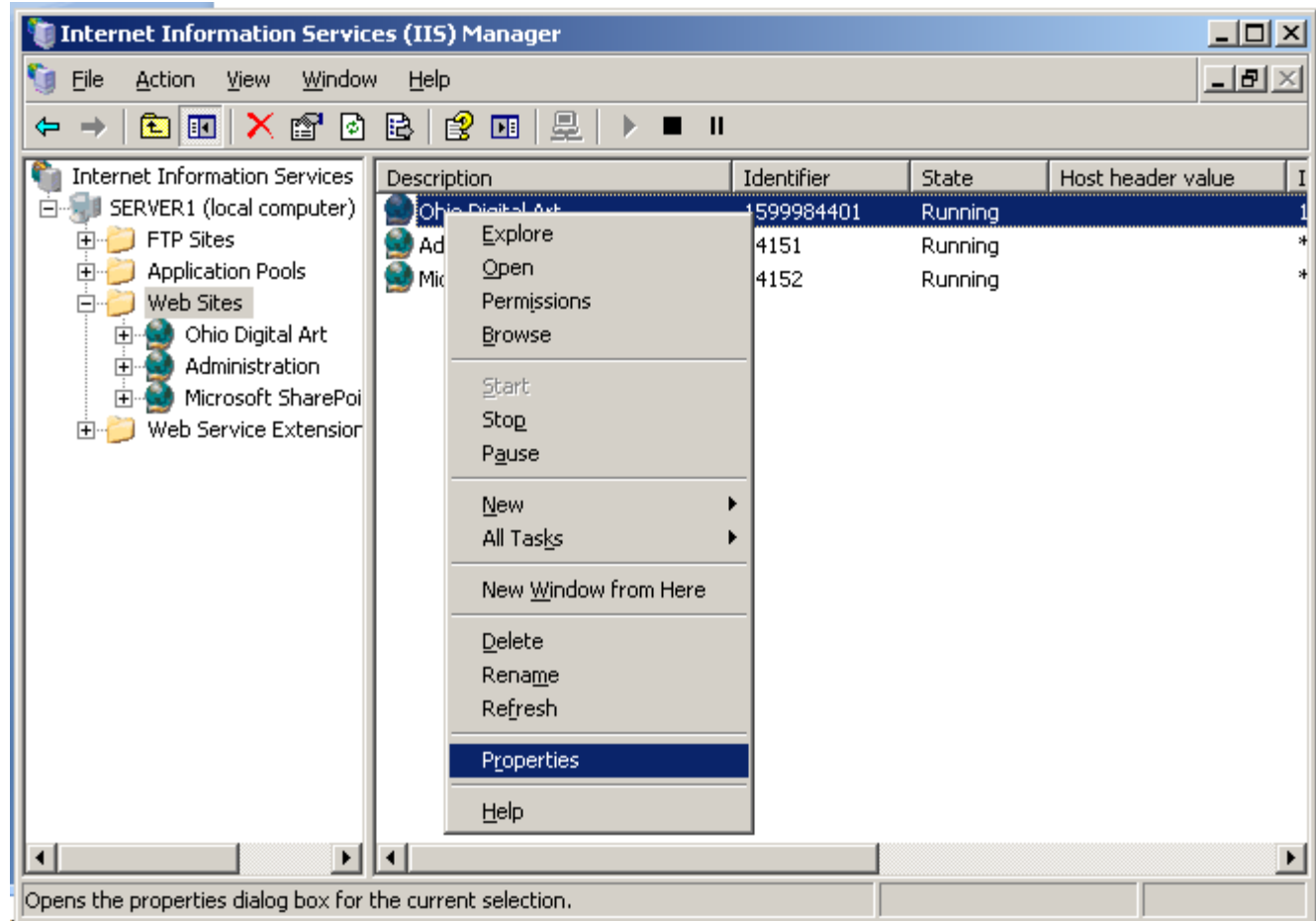We choose the Finish button to complete the setup.

The New Web Site

We can now see the Ohio Digital Art web folder in our IIS Manager.

We will right click on the Default Web Site folder and delete it.
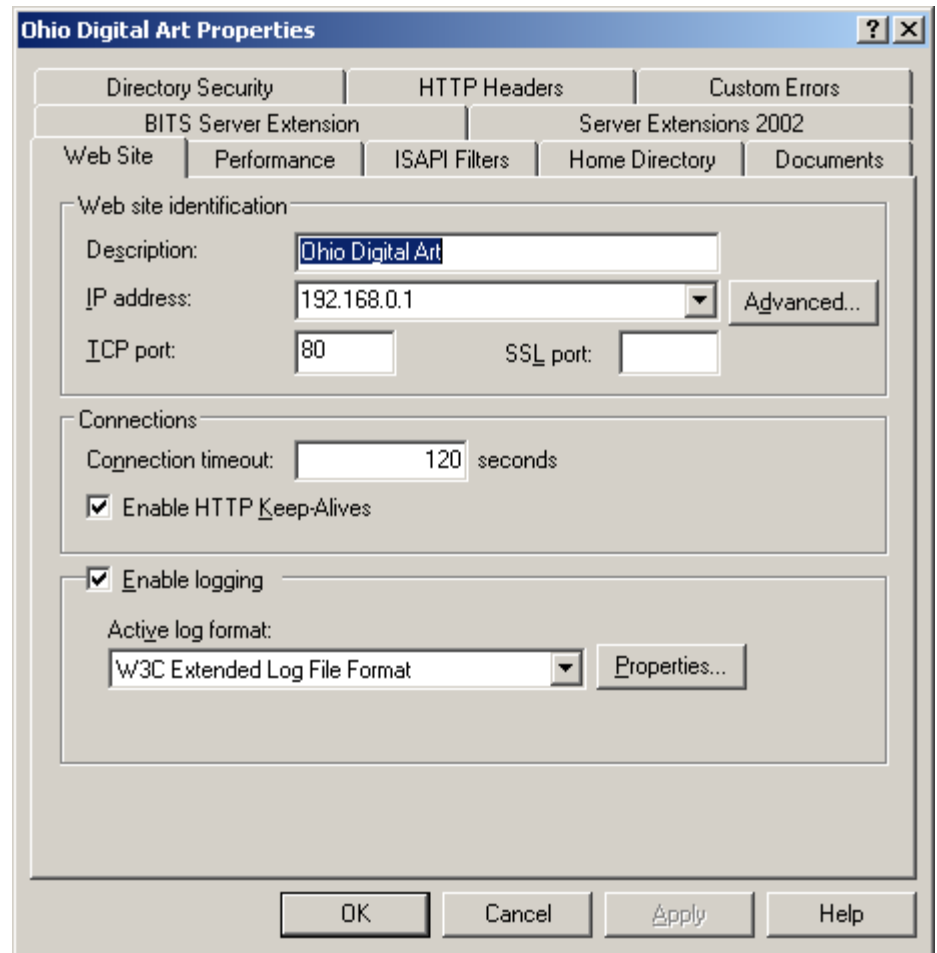
Web Site Properties

To view the web site properties, we right click on the Ohio Digital Art website and we double click on Properties from the sub menu.
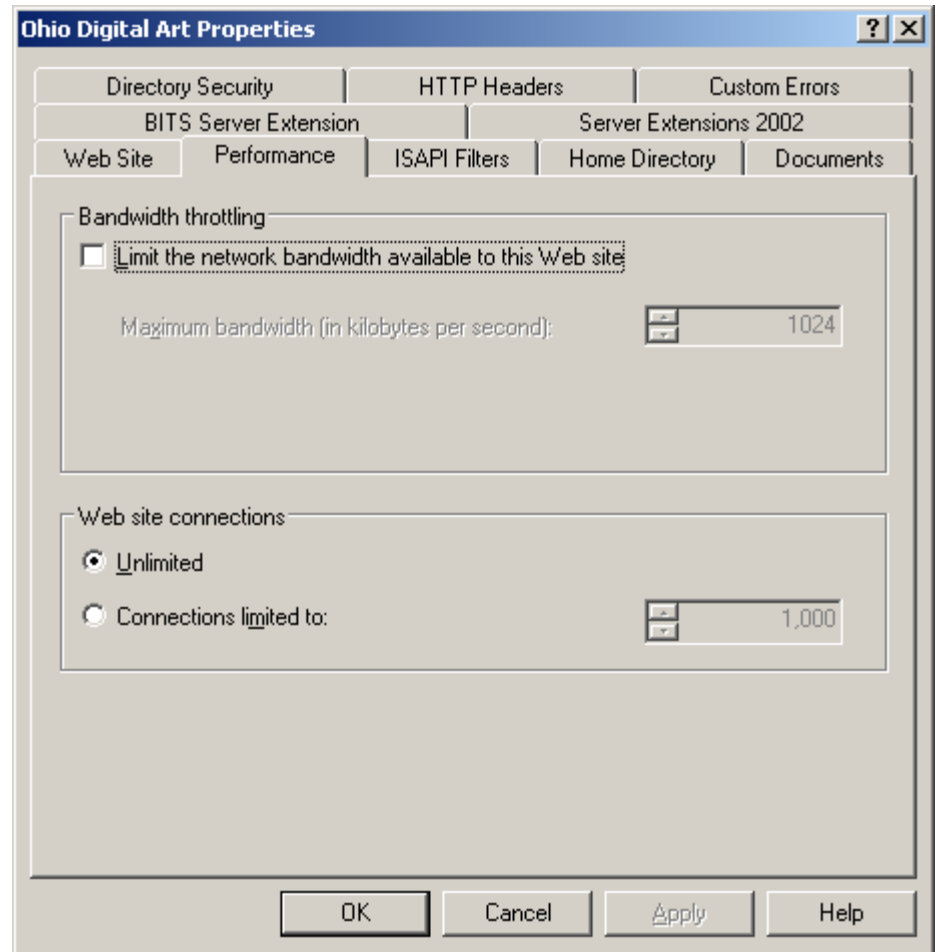
Web Site Tab

We can view the web site description, IP address and TCP port in this tab. Connection timeout is set at 120 seconds (2 minutes).
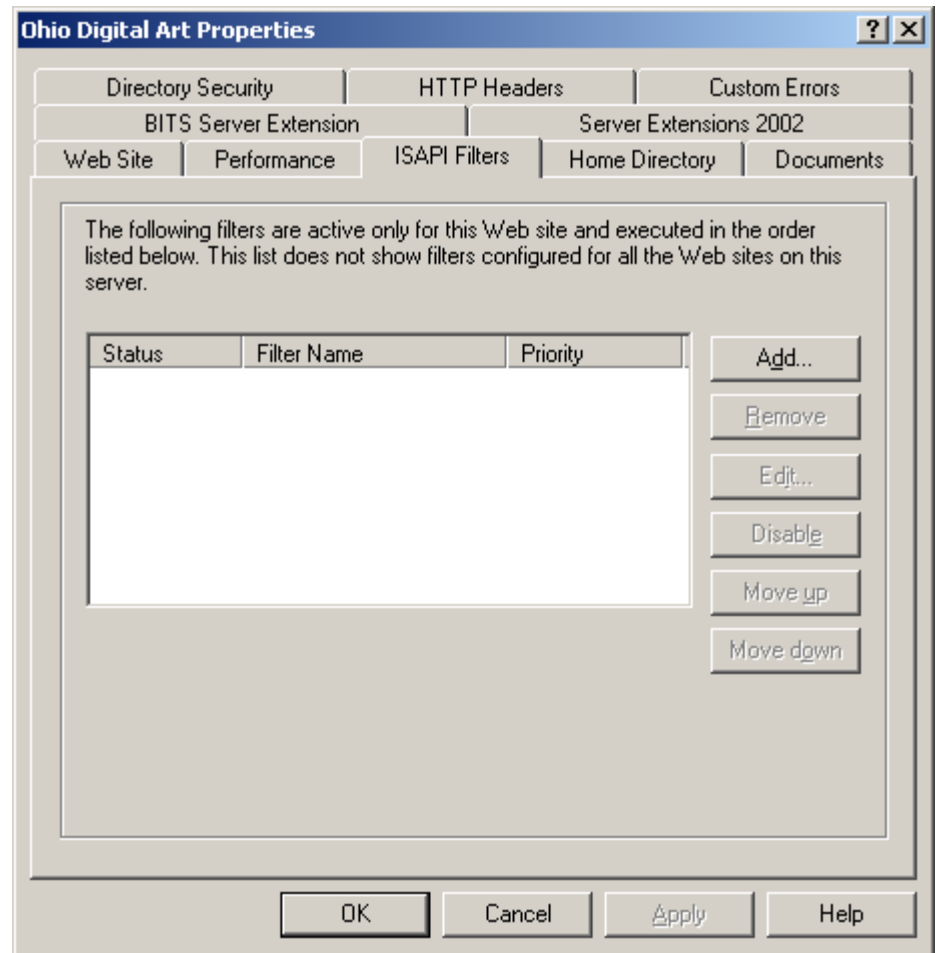
Performance Tab

If we choose to limit bandwidth, we will annotate the checkbox and set the type the number of kilobytes per seconds allowed.
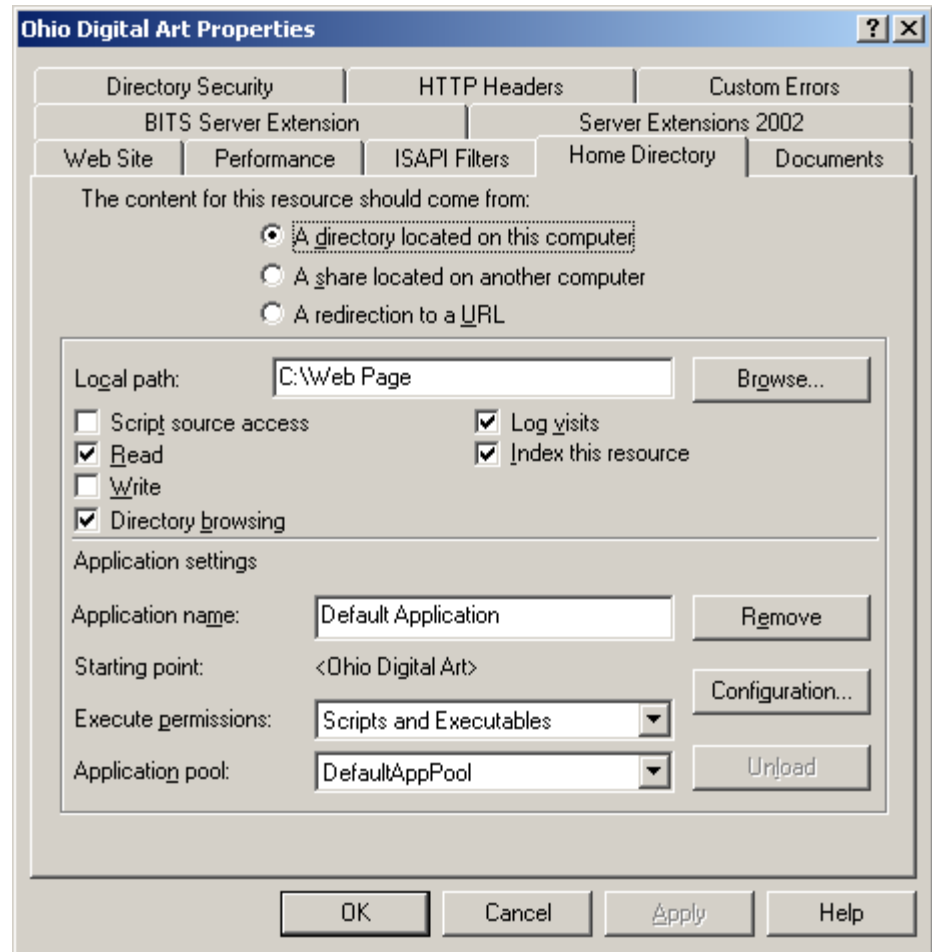
We opted for unlimited websites.

ISAPI Filters Tab

We will not set an Internet Server Application Programming Interface (ISAPI) filter in this lesson.
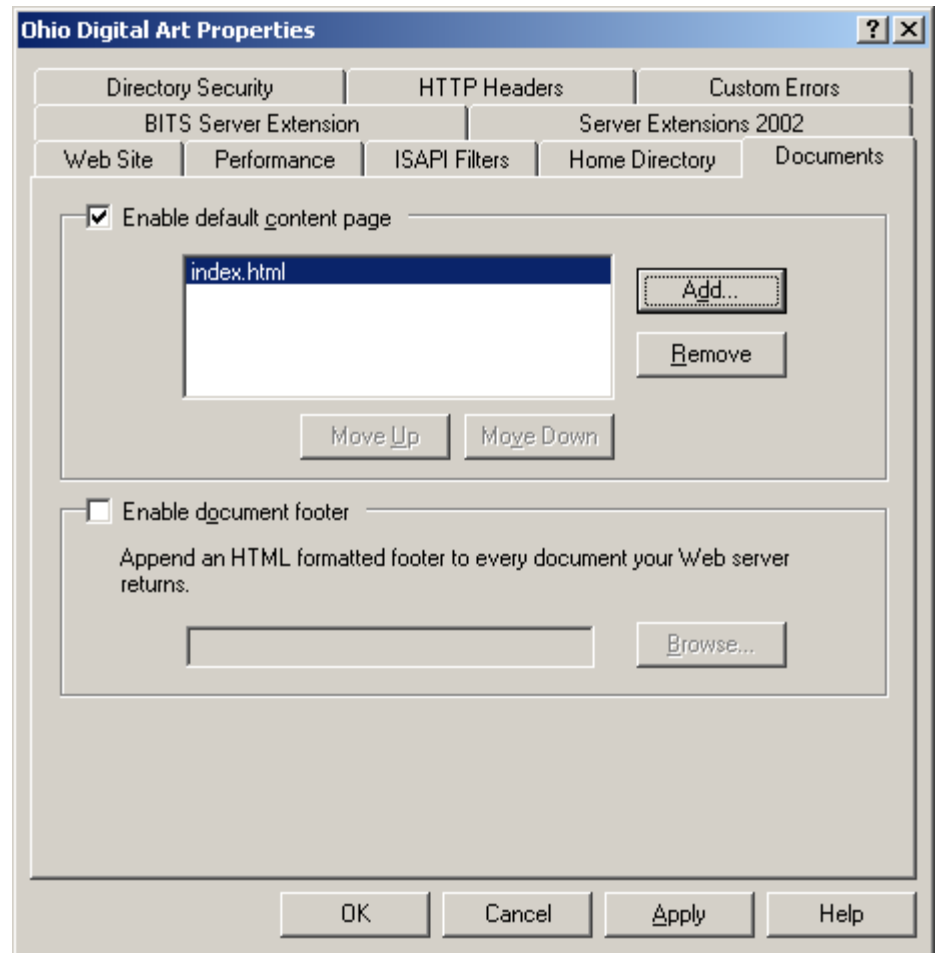
Home Directory Tab

The home directory is set on this local computer and the local path is shown along with the permissions. We can also see the applications settings.
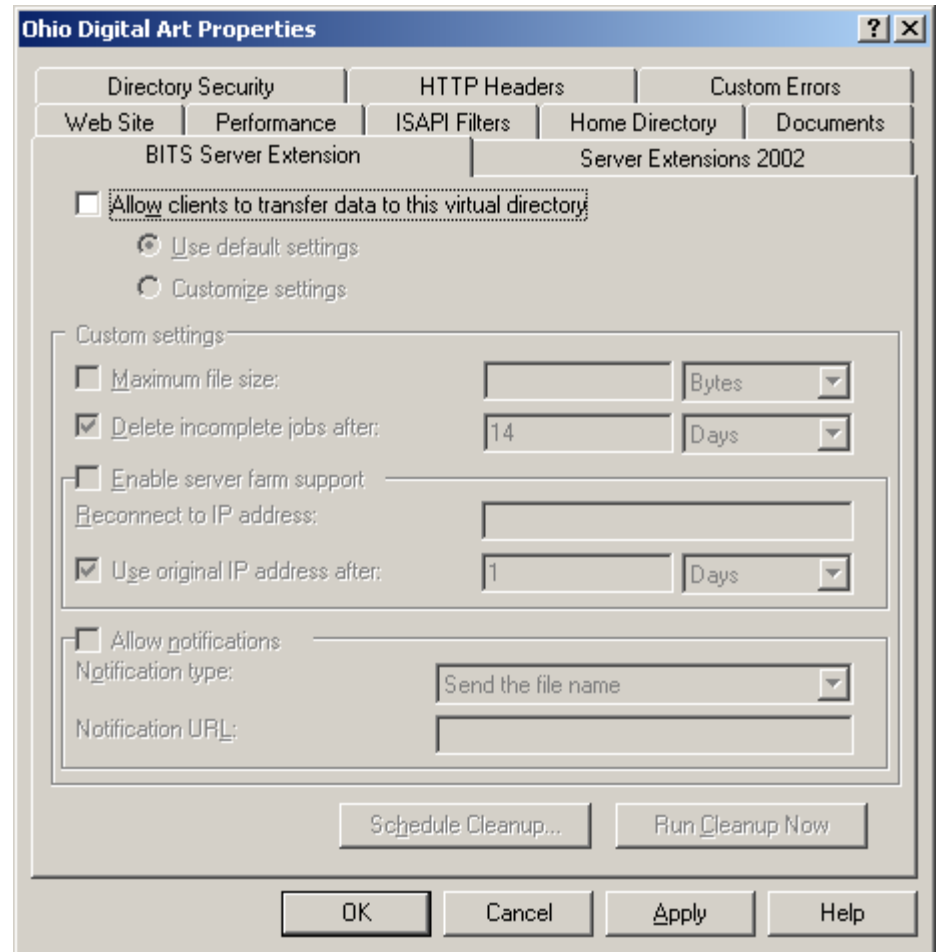
Documents Tab

We removed the original list of documents and added "index.html" to the list box. Index.html is our root page.
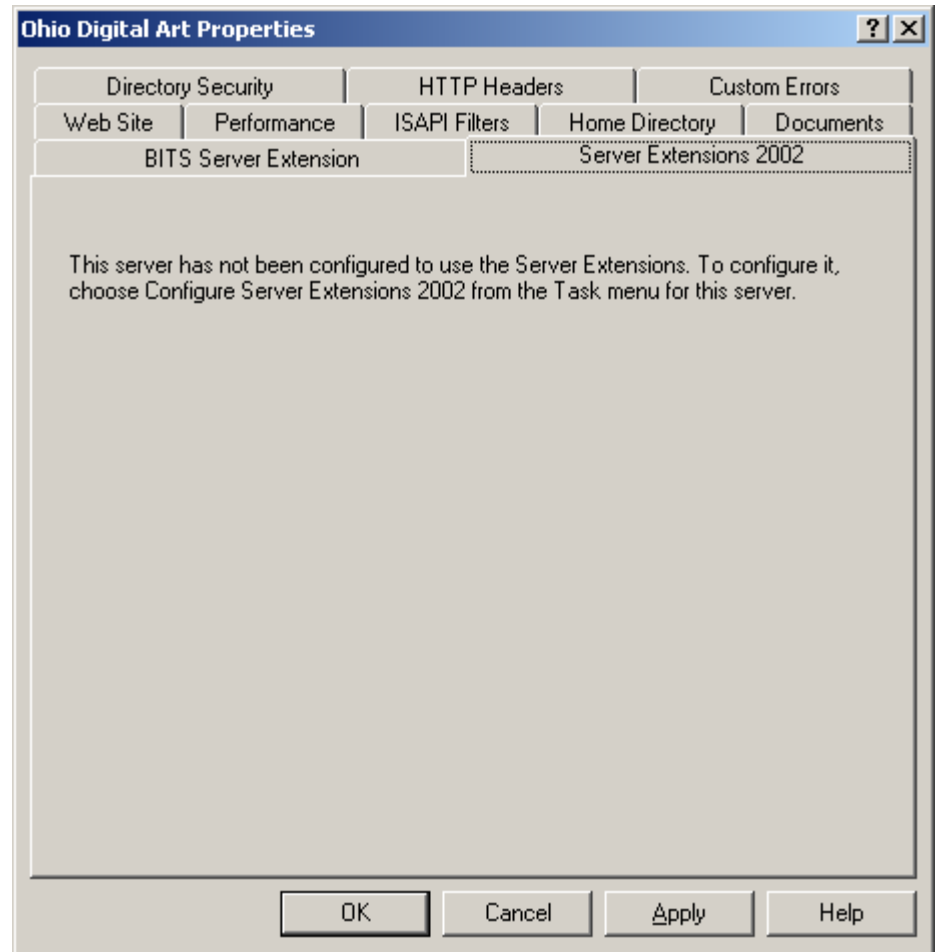
BITS Server Extension

We will not allow clients to transfer information to the virtual directory in this lesson.
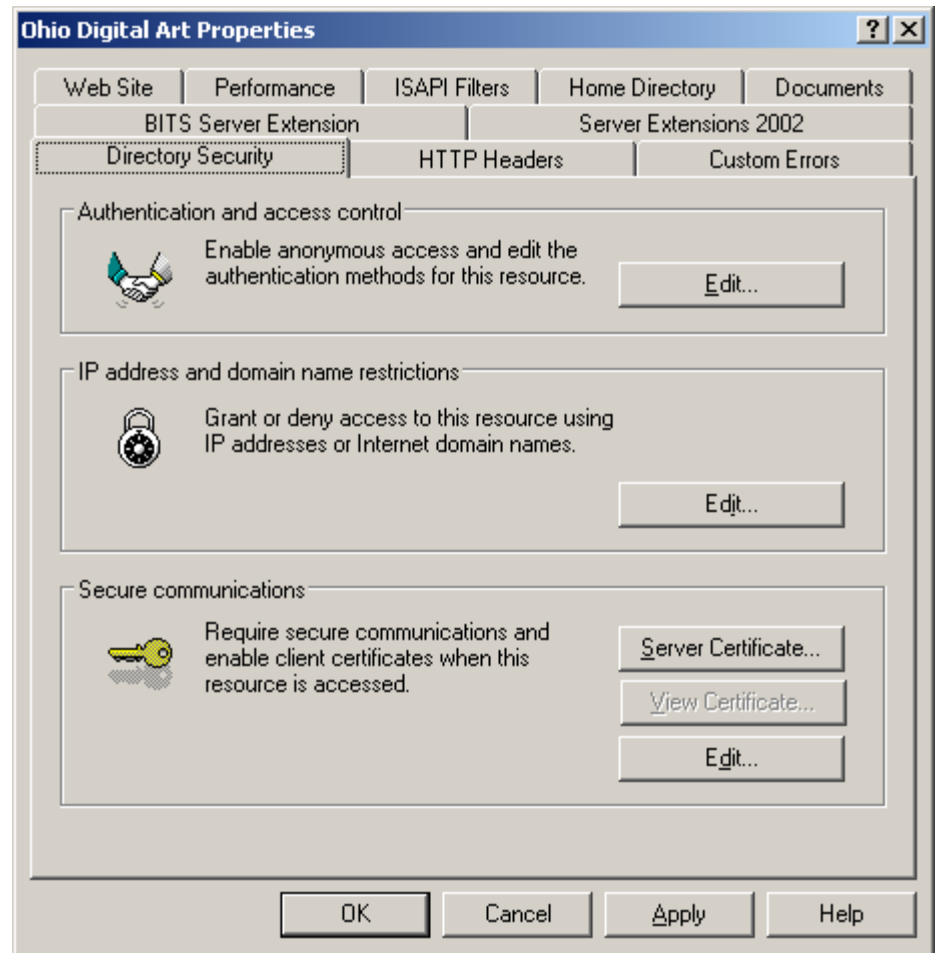
Server Extensions 2002 Tab

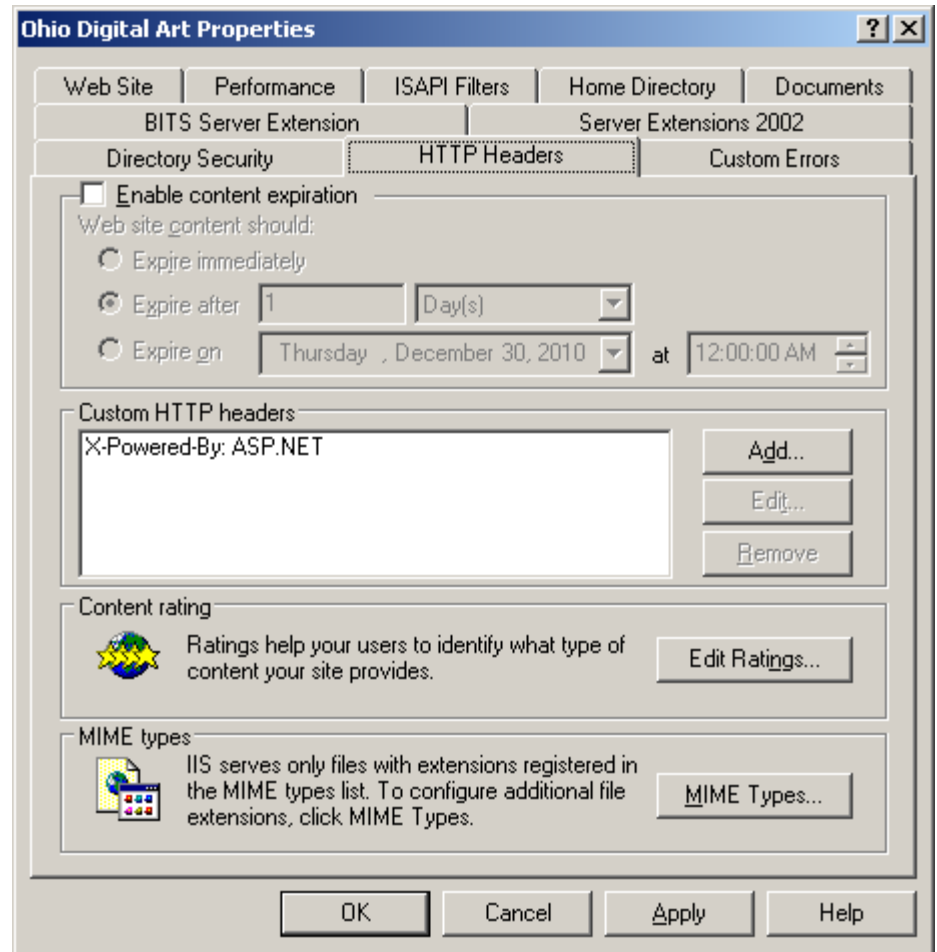Our server has not been configured to use server extensions.

Directory Security Tab

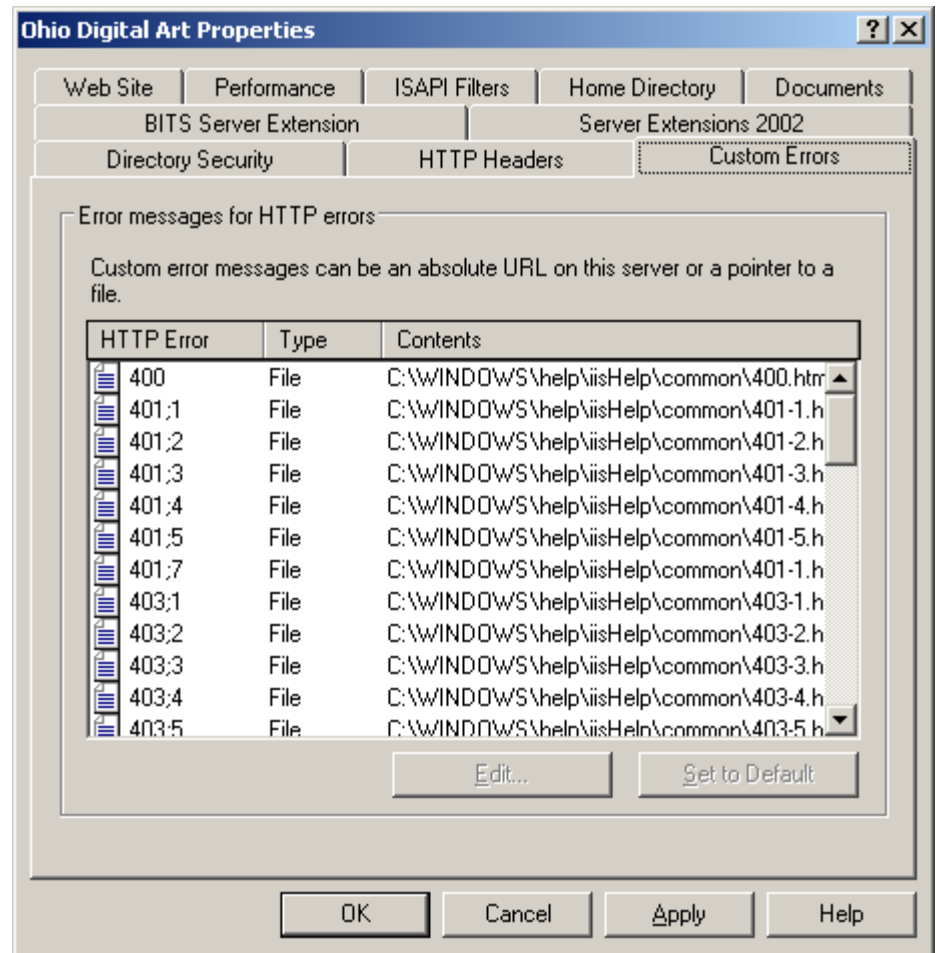We will not add any addition levels of security for the web server.

HTTP Headers Tab

We can control content by expiration date in this tab. We can also rate the content. We will not do so at this time.

Custom Errors Tab

We can see HTTP errors. We will check any errors. We press the Apply button to close the Properties window.

Checking the Website with the Web Browser

We can type 192.168.0.1 in the address bar of the Internet Explorer window and the Ohio Digital Art homepage will appear. We test computers on our network and they get the same results.