

# 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.



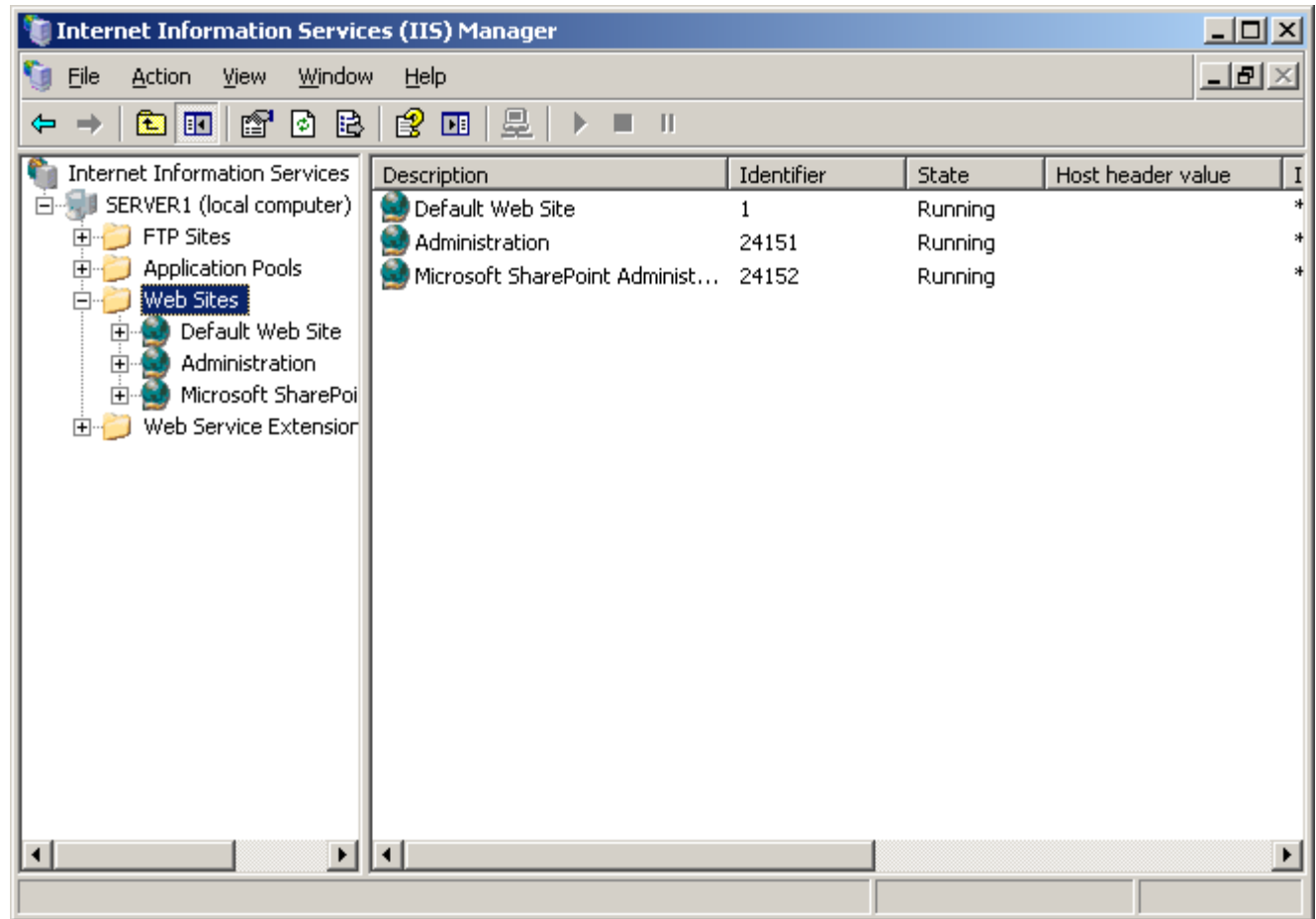
# Opening the IIS Manager Window

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



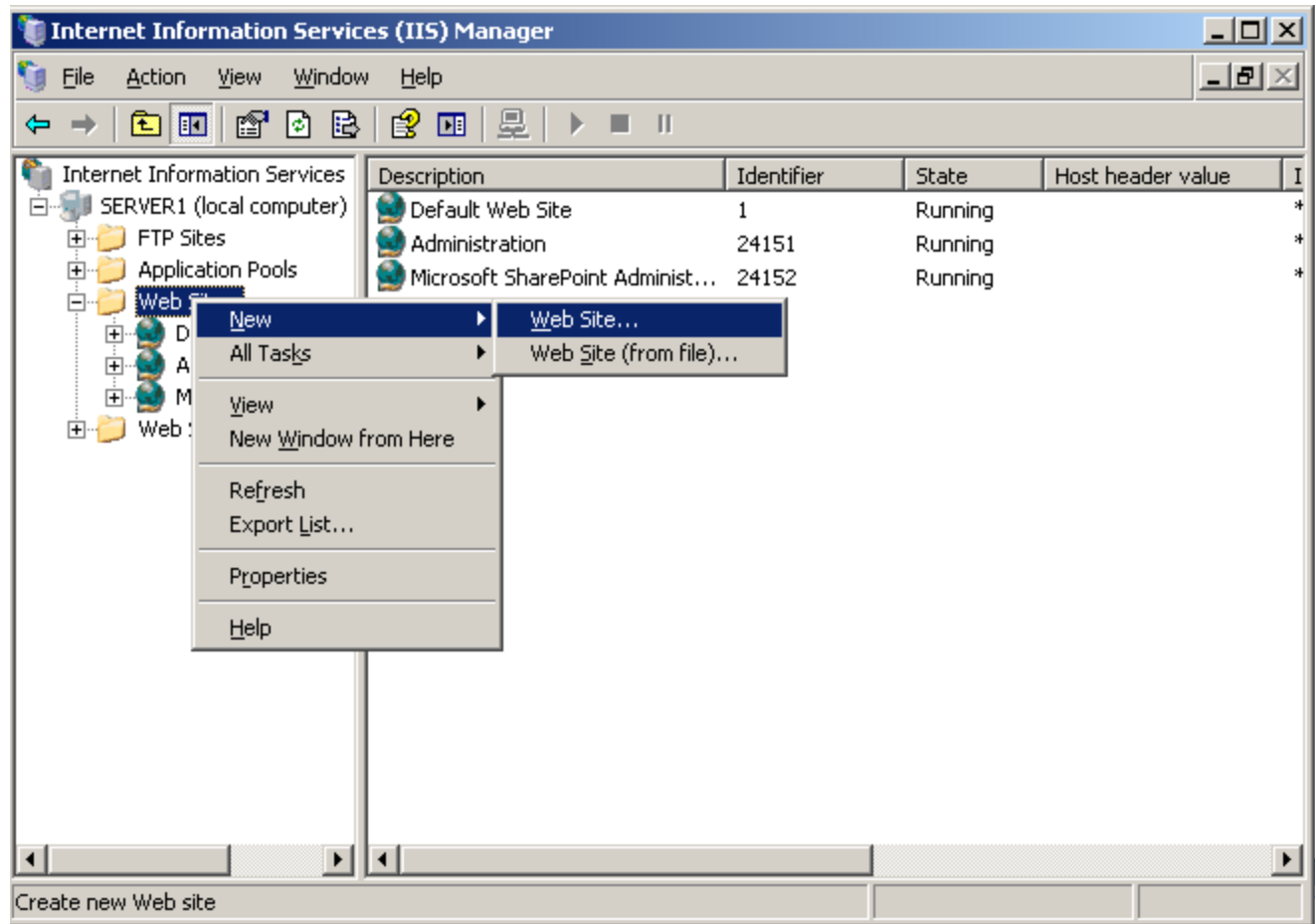
# The IIS Manager Window

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

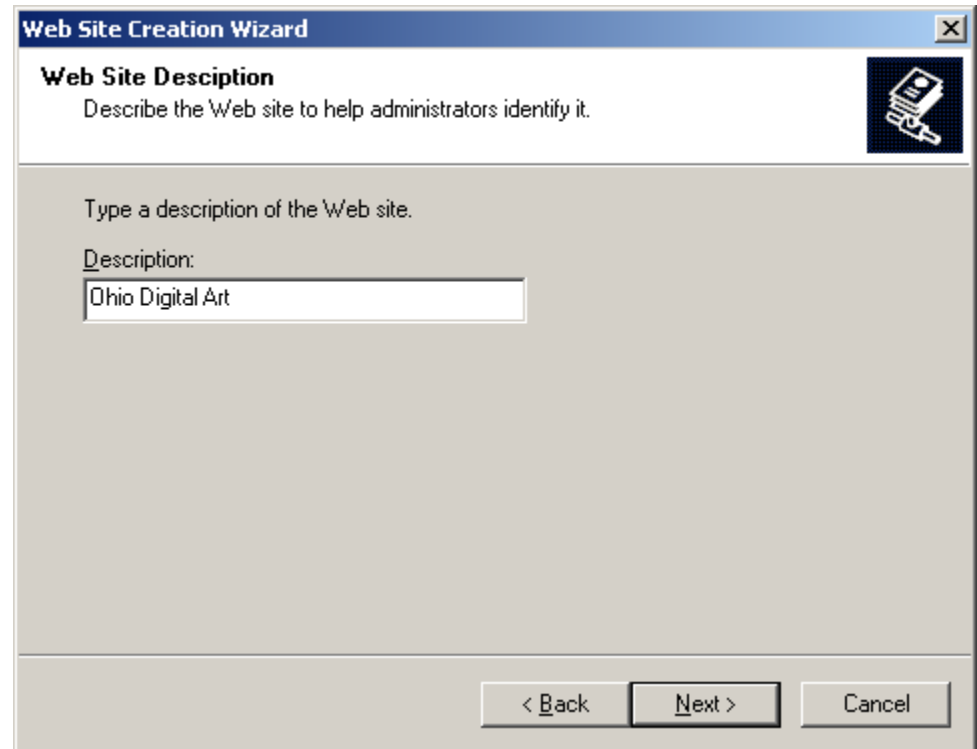
The Welcome to the Web Site Creation Wizard will appear. We press the Next button to continue.



# 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.

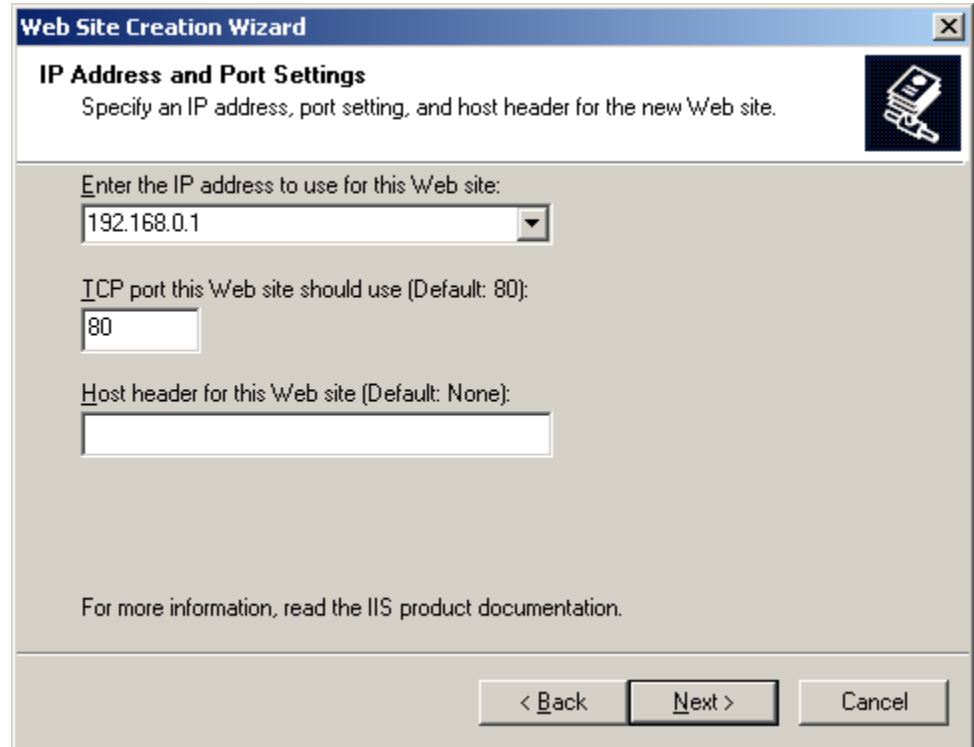
Then we will click on the Next button to advance to the next window.



The screenshot shows a Windows-style dialog box titled "Web Site Creation Wizard". The current step is "Web Site Description", with the instruction "Describe the Web site to help administrators identify it." Below this, there is a text input field labeled "Description:" containing the text "Ohio Digital Art". At the bottom of the dialog, there are three buttons: "< Back", "Next >", and "Cancel".

# 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.



The screenshot shows a Windows-style dialog box titled "Web Site Creation Wizard". The main heading is "IP Address and Port Settings" with a sub-instruction: "Specify an IP address, port setting, and host header for the new Web site." There is a small icon of a computer with a hand pointing to it in the top right corner. The dialog contains three input fields: a dropdown menu for the IP address (set to "192.168.0.1"), a text box for the TCP port (set to "80"), and an empty text box for the host header. At the bottom, there are three buttons: "< Back", "Next >", and "Cancel". A link to "IIS product documentation" is also present.

**Web Site Creation Wizard**

**IP Address and Port Settings**  
Specify an IP address, port setting, and host header for the new Web site.

Enter the IP address to use for this Web site:  
192.168.0.1

TCP port this Web site should use (Default: 80):  
80

Host header for this Web site (Default: None):

For more information, read the IIS product documentation.

< Back    Next >    Cancel

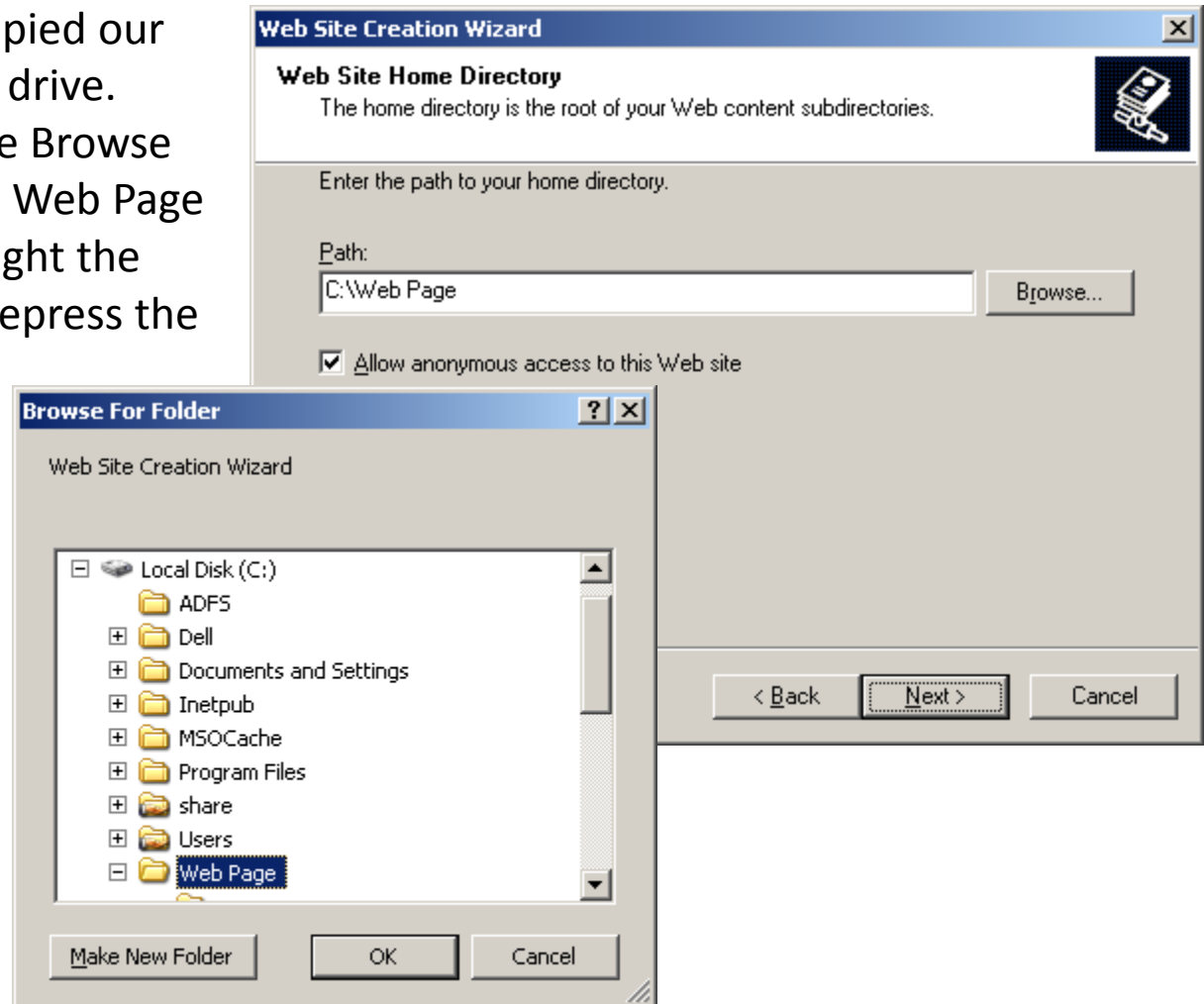


# Web Site Home Directory

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.

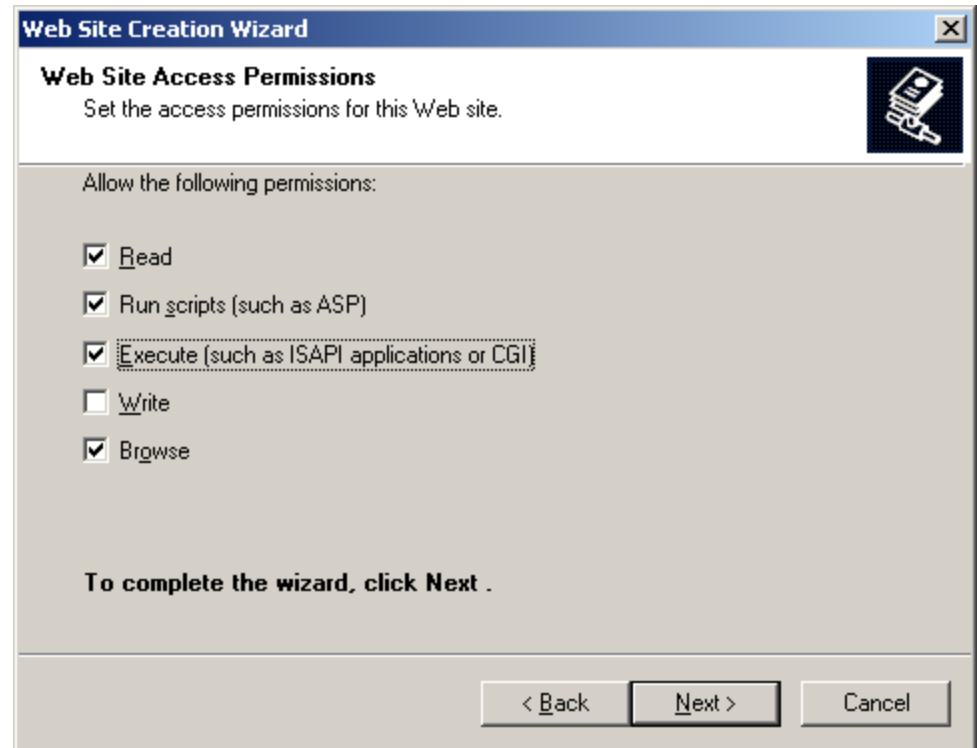
To move along, we choose the Next button.



# Web Site Access Permissions

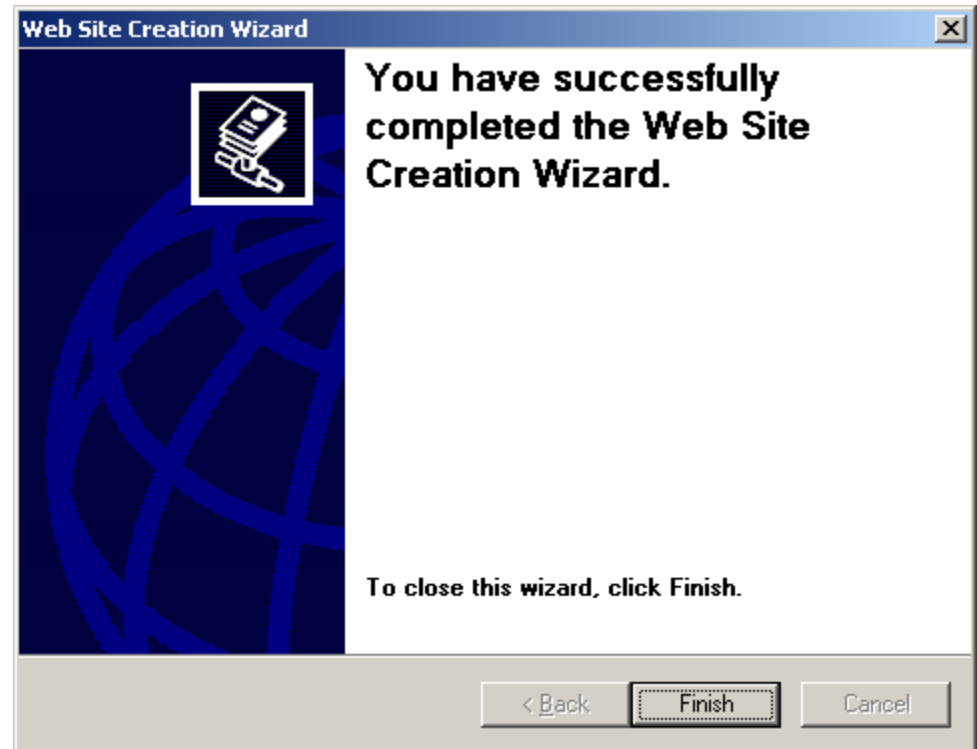
We will check the Read, Run Scripts, Execute CGI and Browse checkboxes.

We then will opt for the Next button to proceed.



# Completing the Web Site Wizard

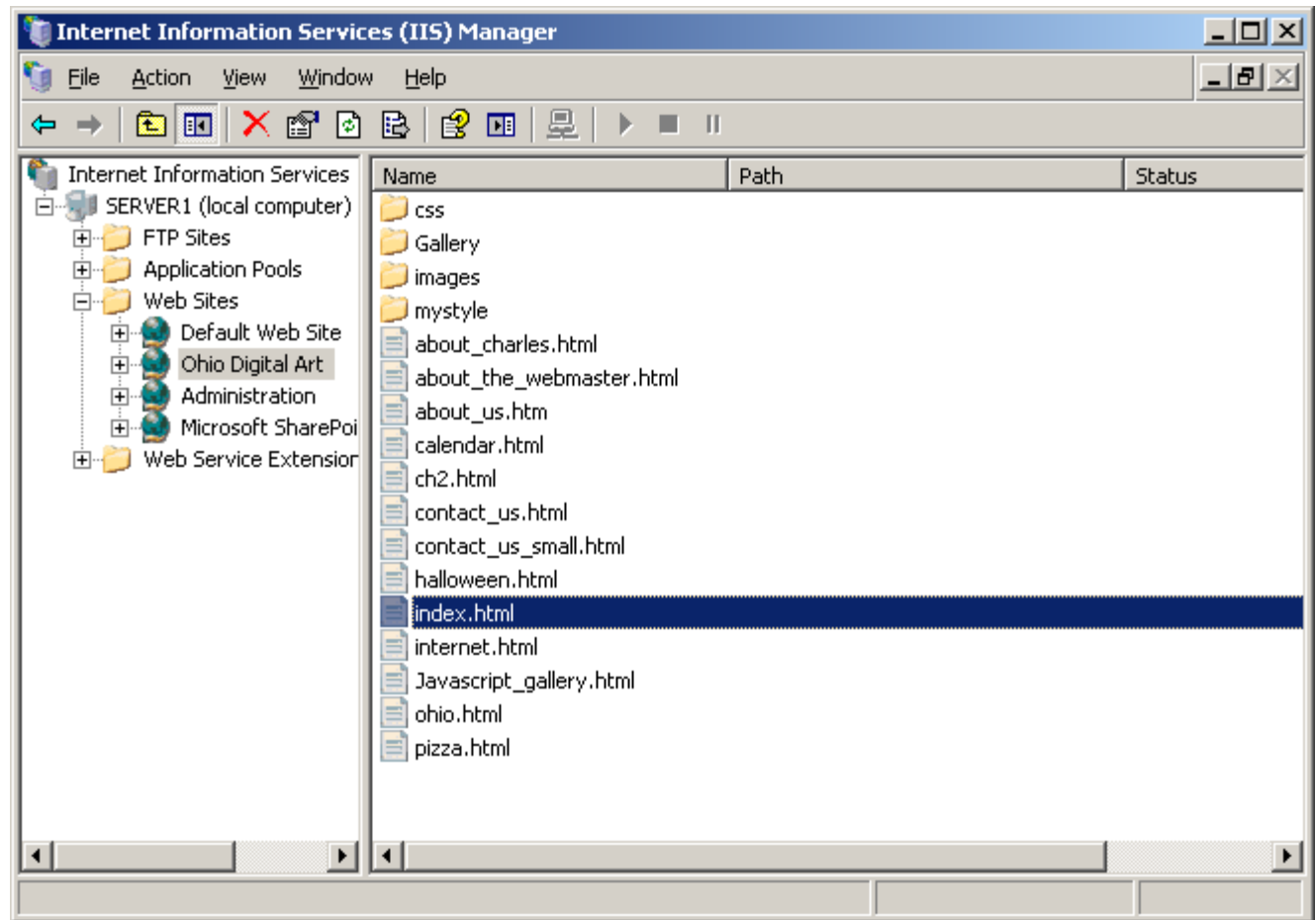
We choose the Finish button to complete the setup.



# The New Web Site

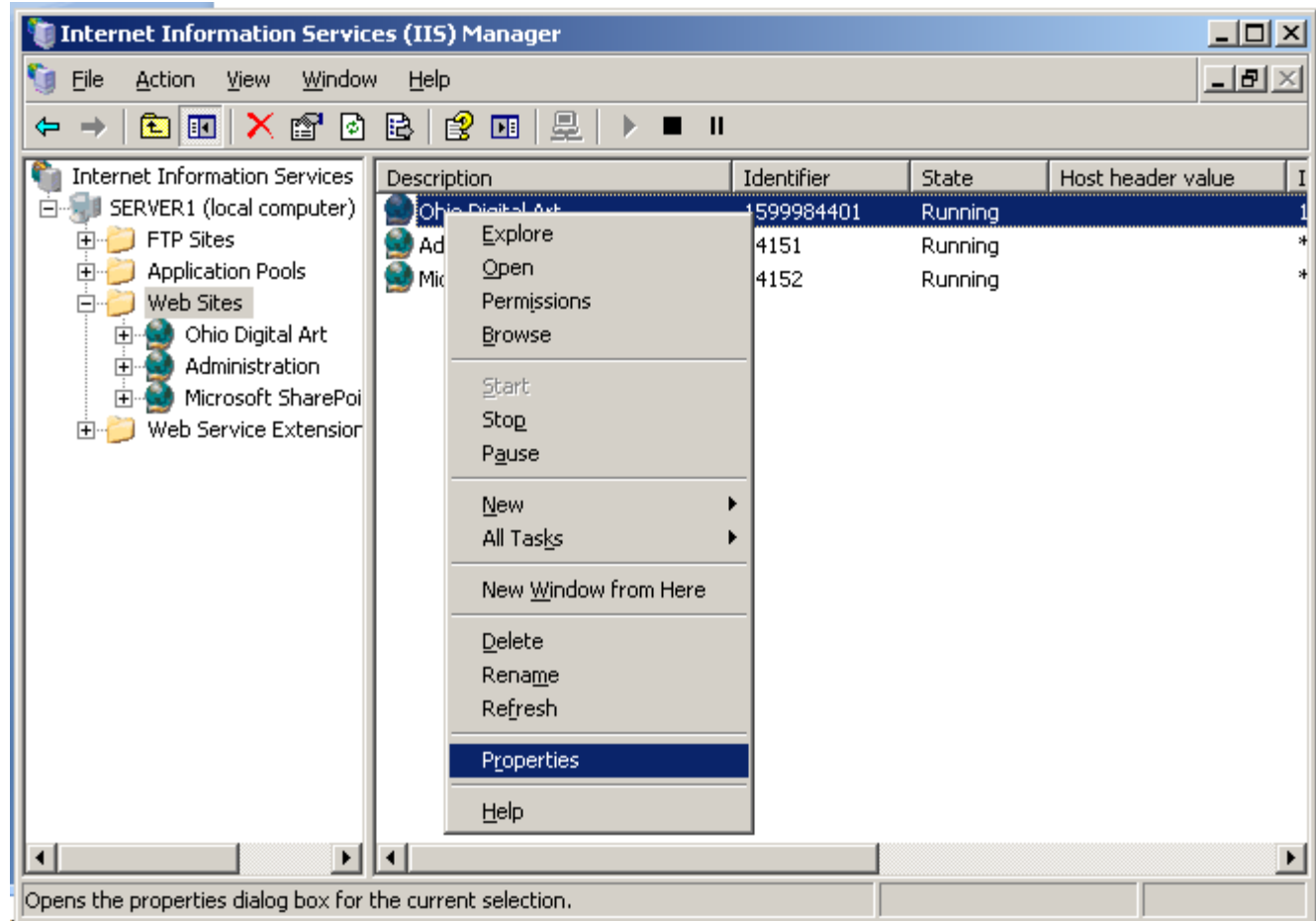
We can now see the Ohio Digital Art web folder in our IIS Manager.

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



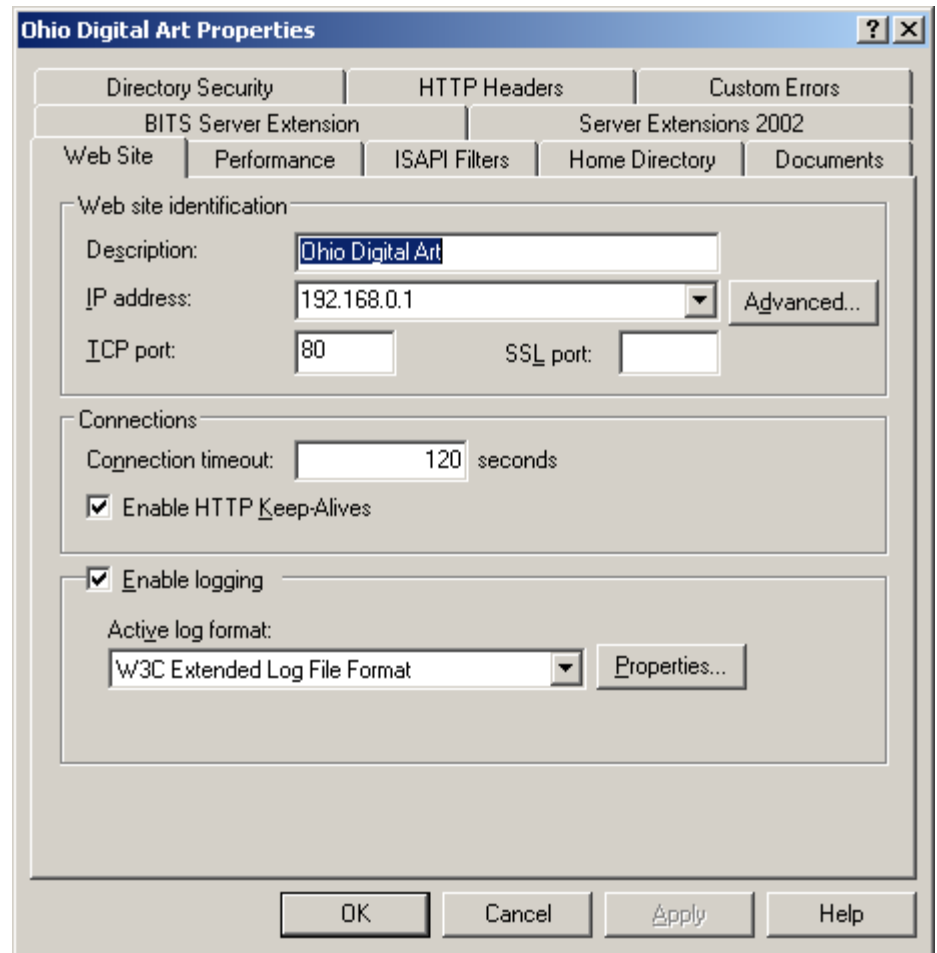
# Web Site Properties

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

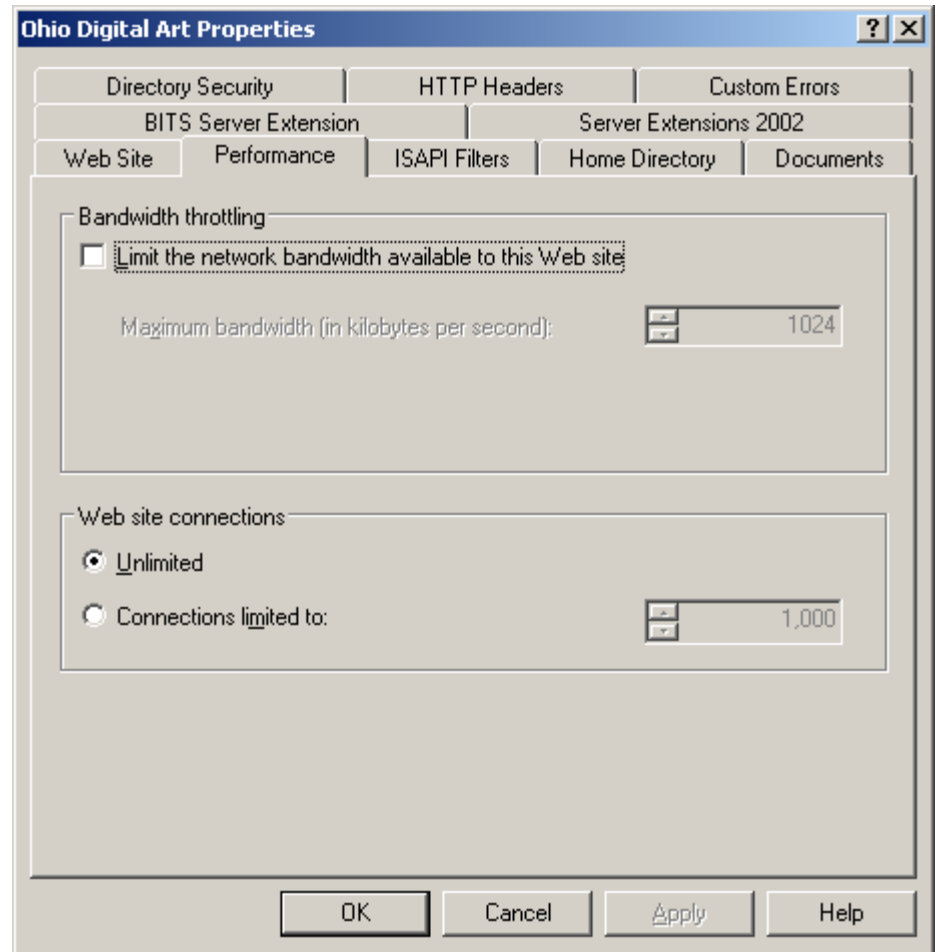
We can view the web site description, IP address and TCP port in this tab. Connection timeout is set at 120 seconds (2 minutes).



# Performance Tab

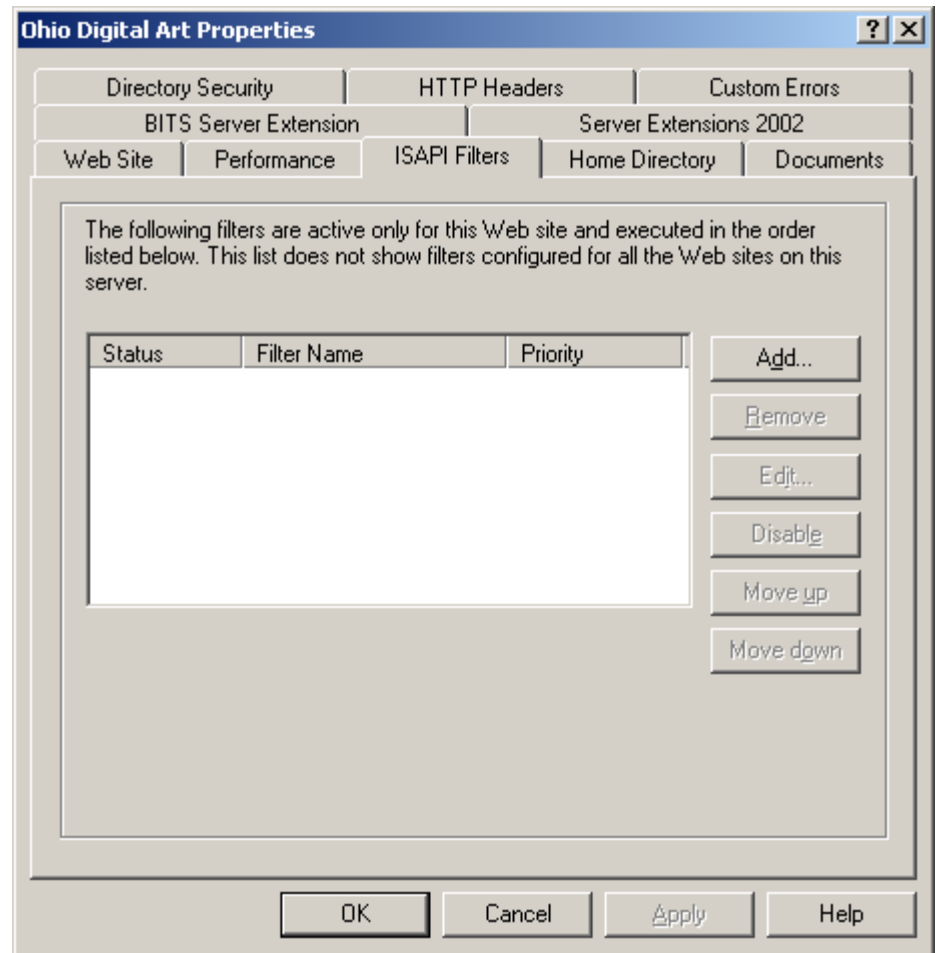
If we choose to limit bandwidth, we will annotate the checkbox and set the type the number of kilobytes per seconds allowed.

We opted for unlimited websites.



# ISAPI Filters Tab

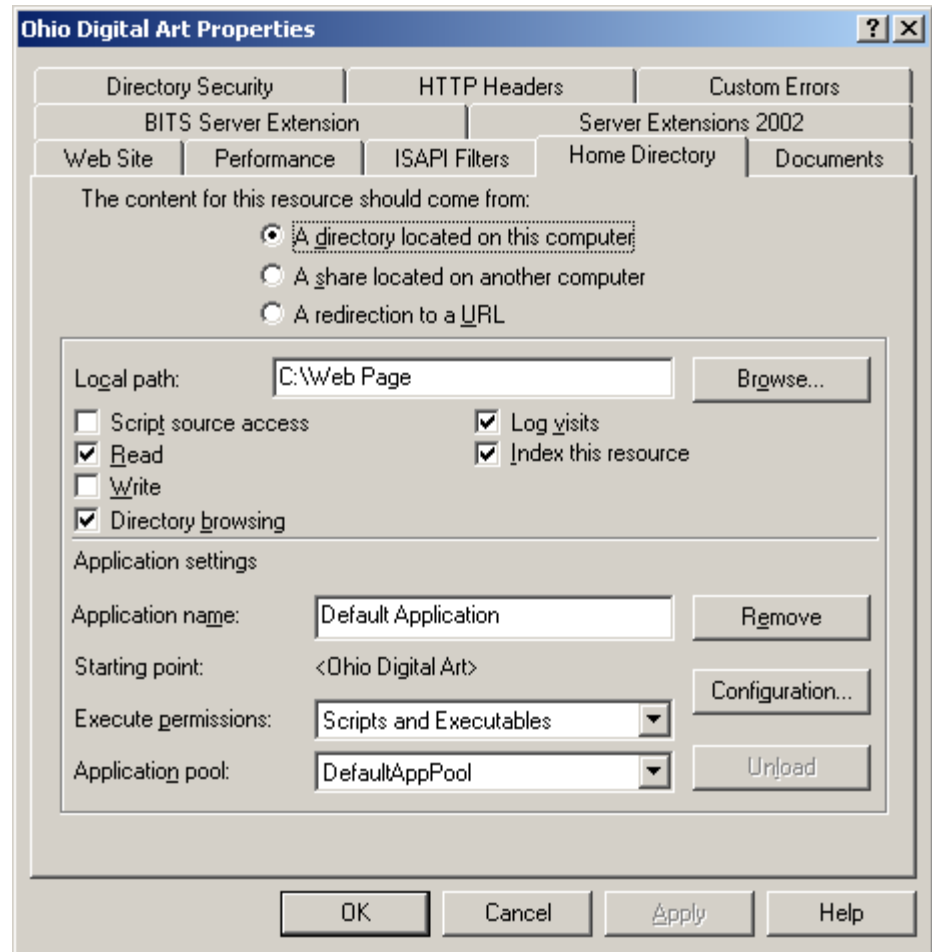
We will not set an Internet Server Application Programming Interface (ISAPI) filter in this lesson.





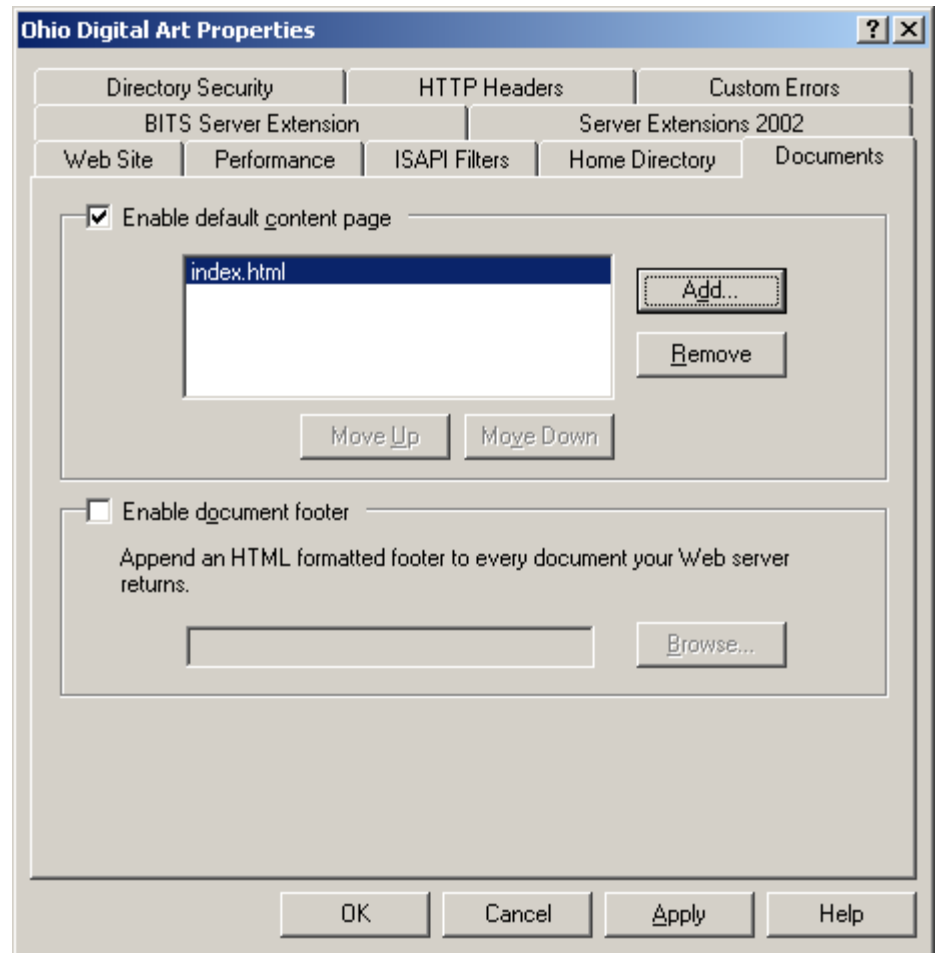
# Home Directory Tab

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.



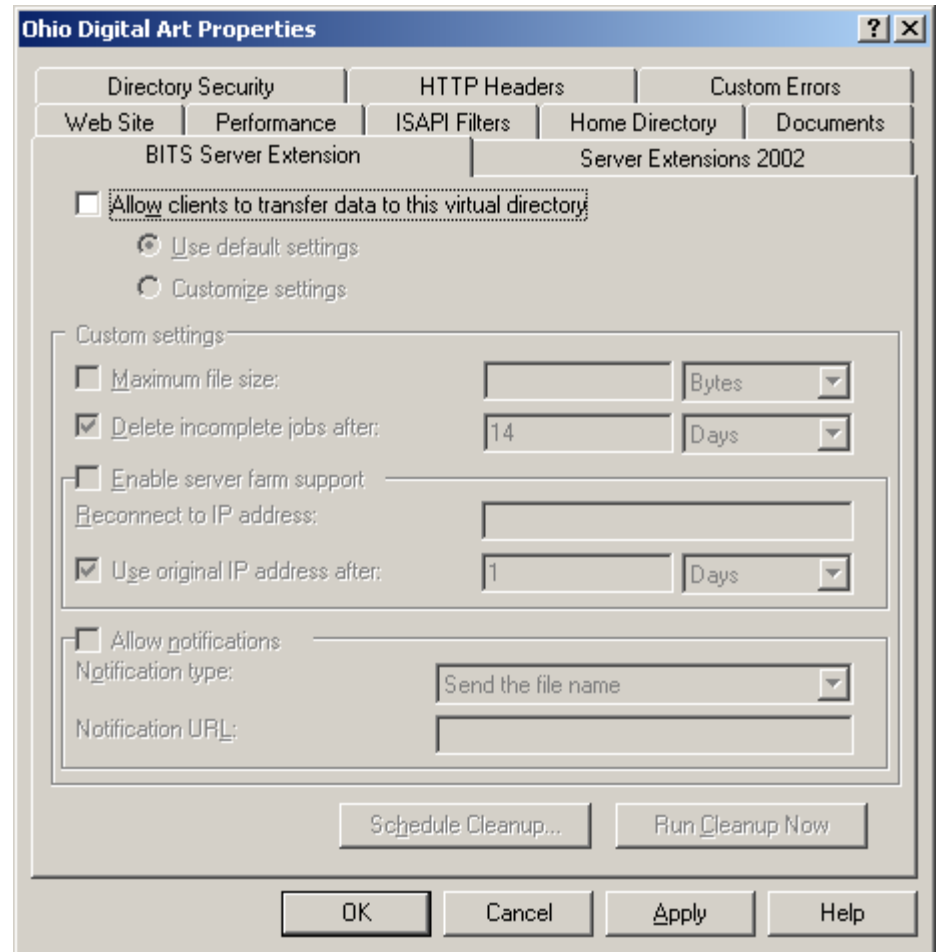
# Documents Tab

We removed the original list of documents and added “index.html” to the list box. Index.html is our root page.



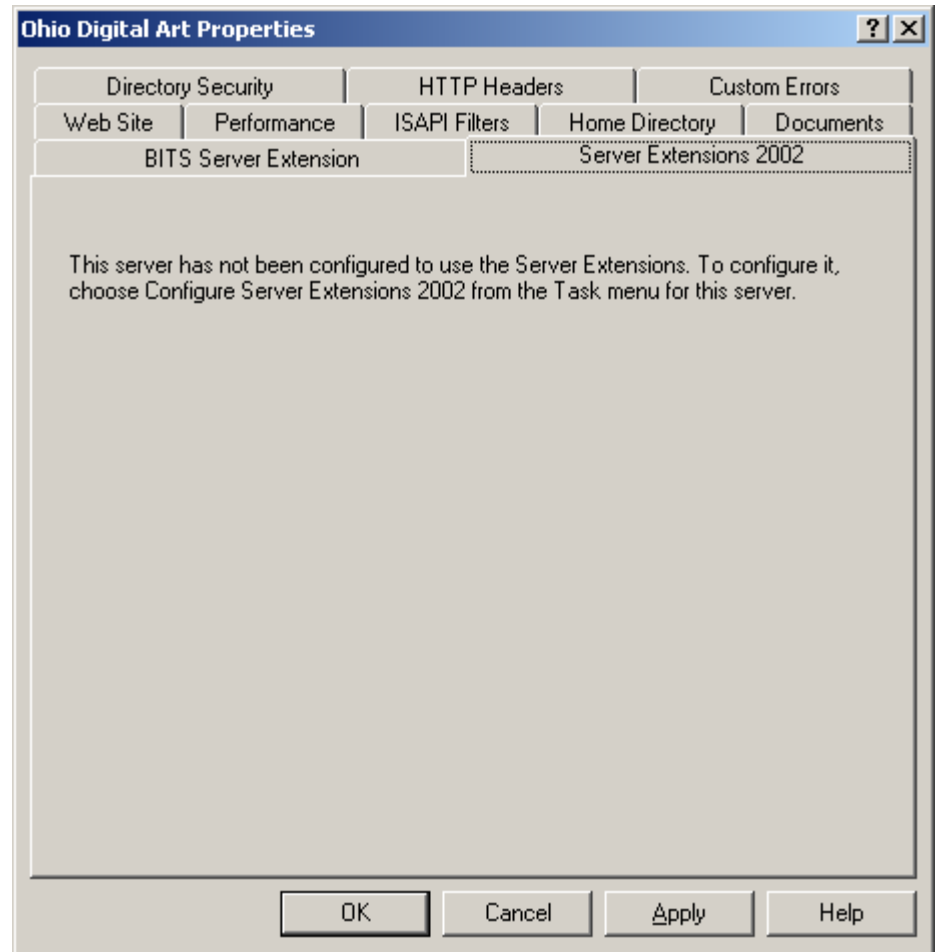
# BITS Server Extension

We will not allow clients to transfer information to the virtual directory in this lesson.



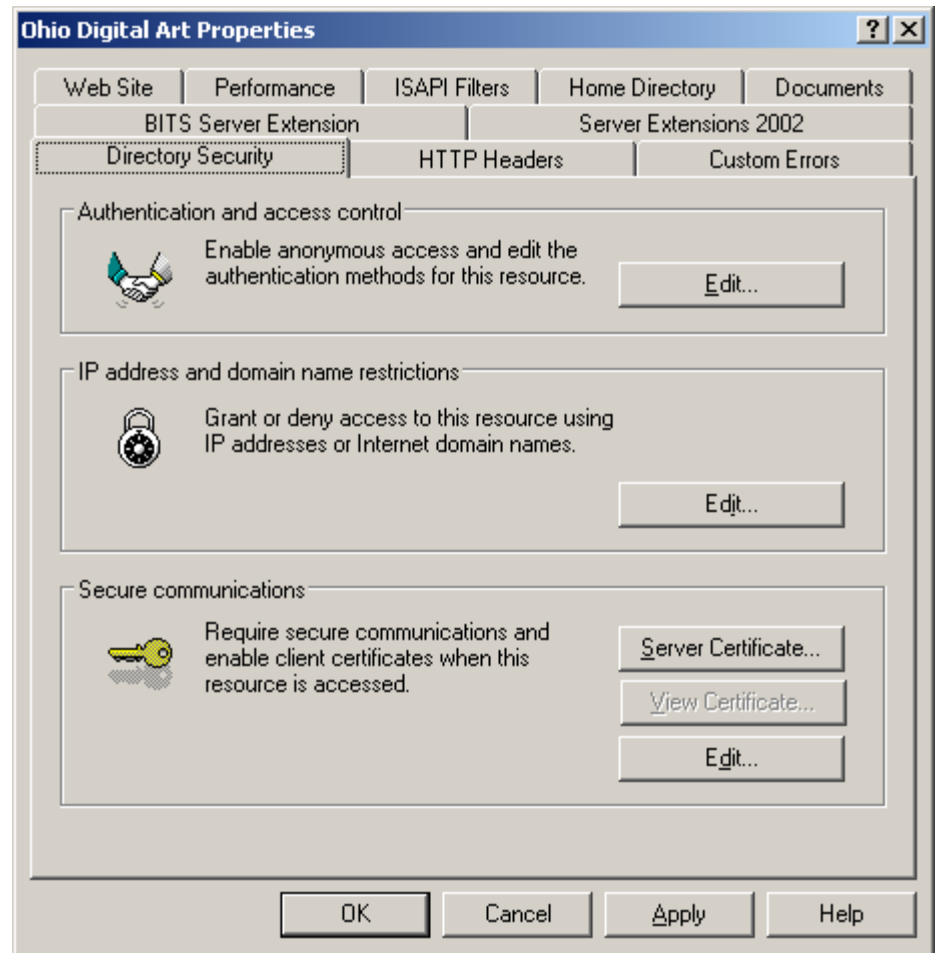
# Server Extensions 2002 Tab

Our server has not been configured to use server extensions.



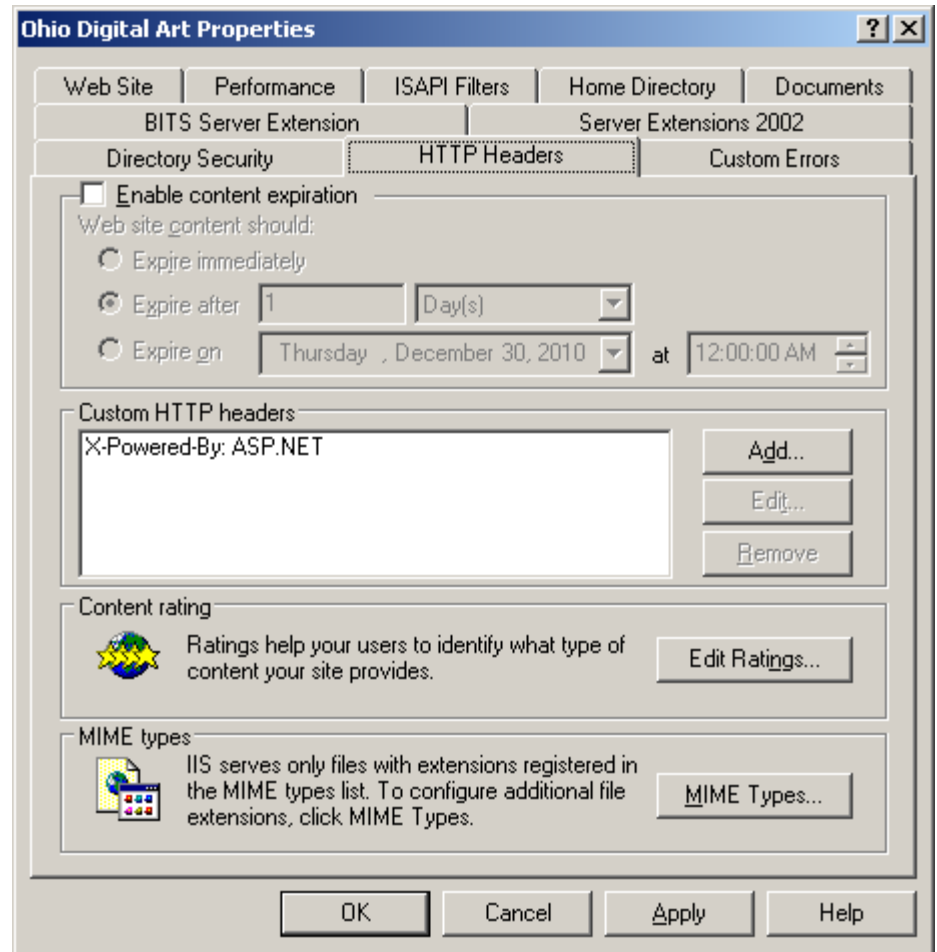
# Directory Security Tab

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



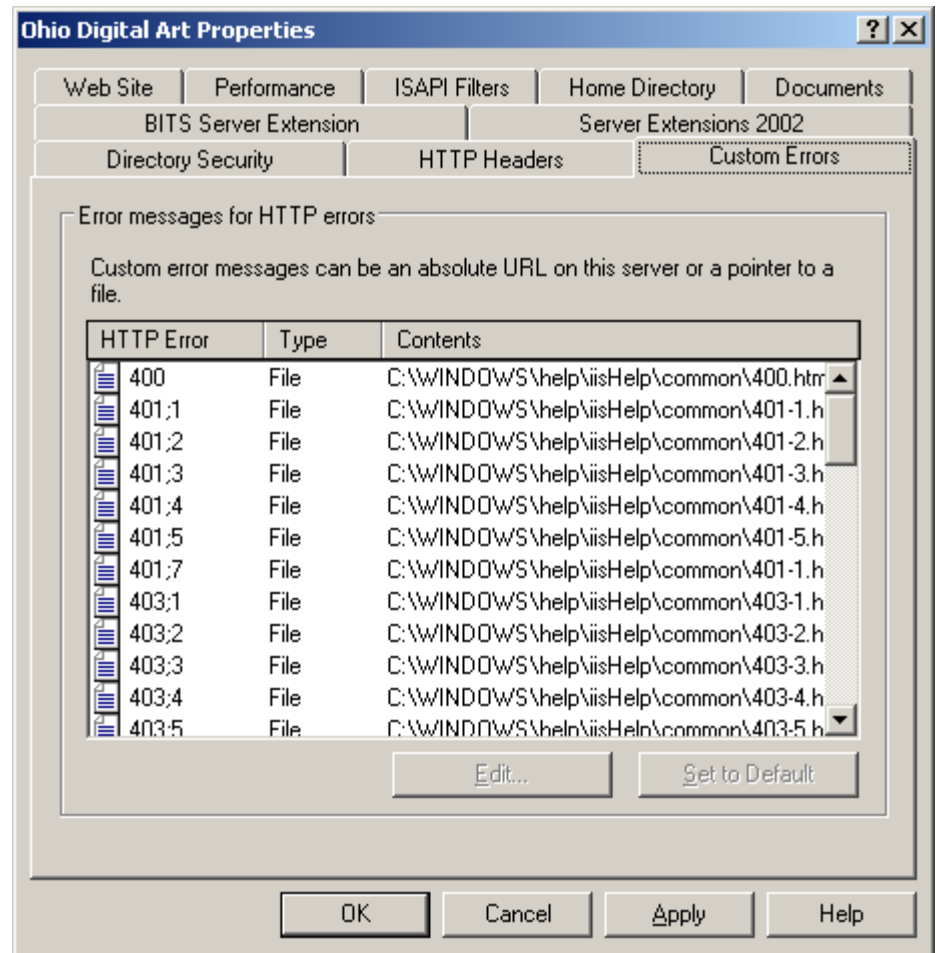
# HTTP Headers Tab

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.

