

Install IIS8 on Windows 2012 Server

August 5, 2013

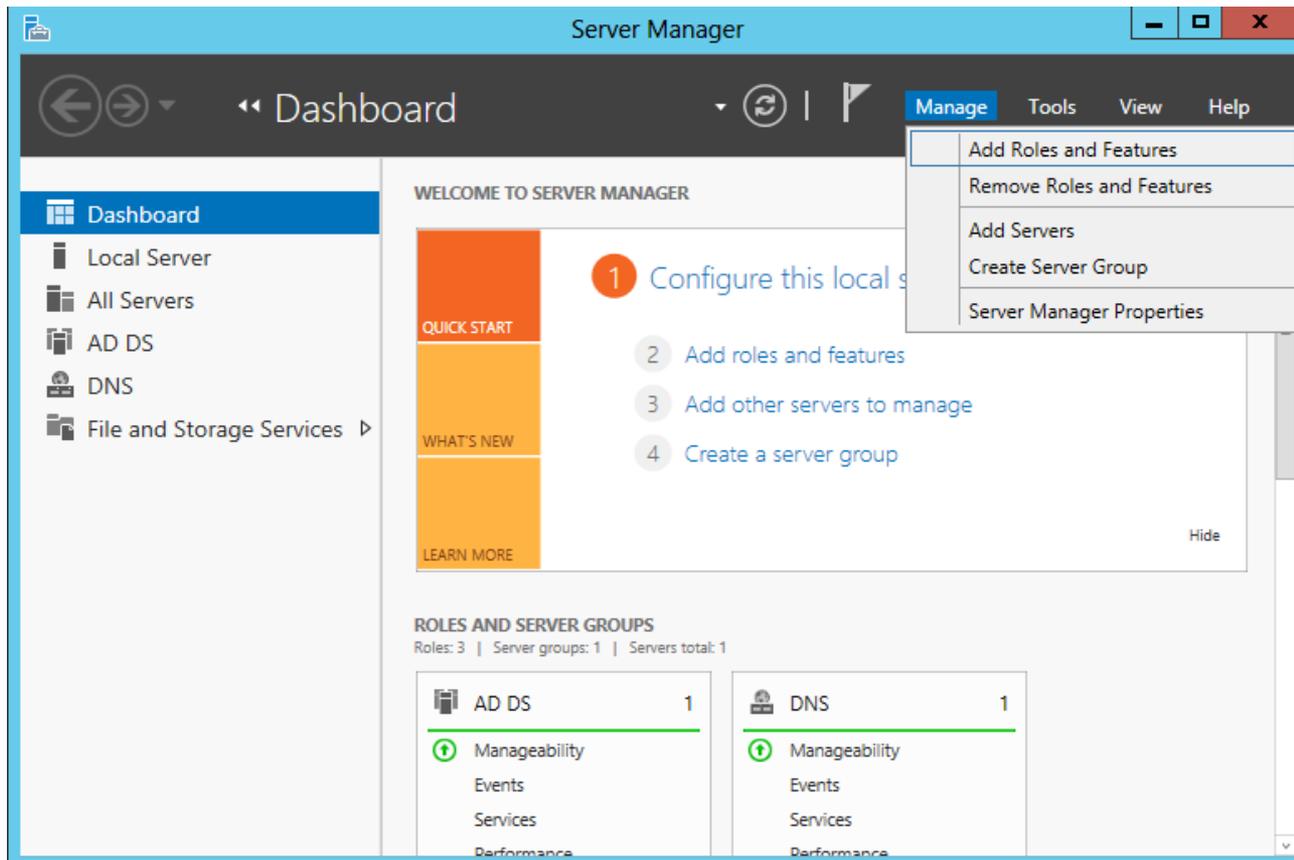
Building Our Own Web Server

We can build our own web server by utilizing the Internet Information Services (IIS) Manager which we will load and setup on the Windows 2012 Server.



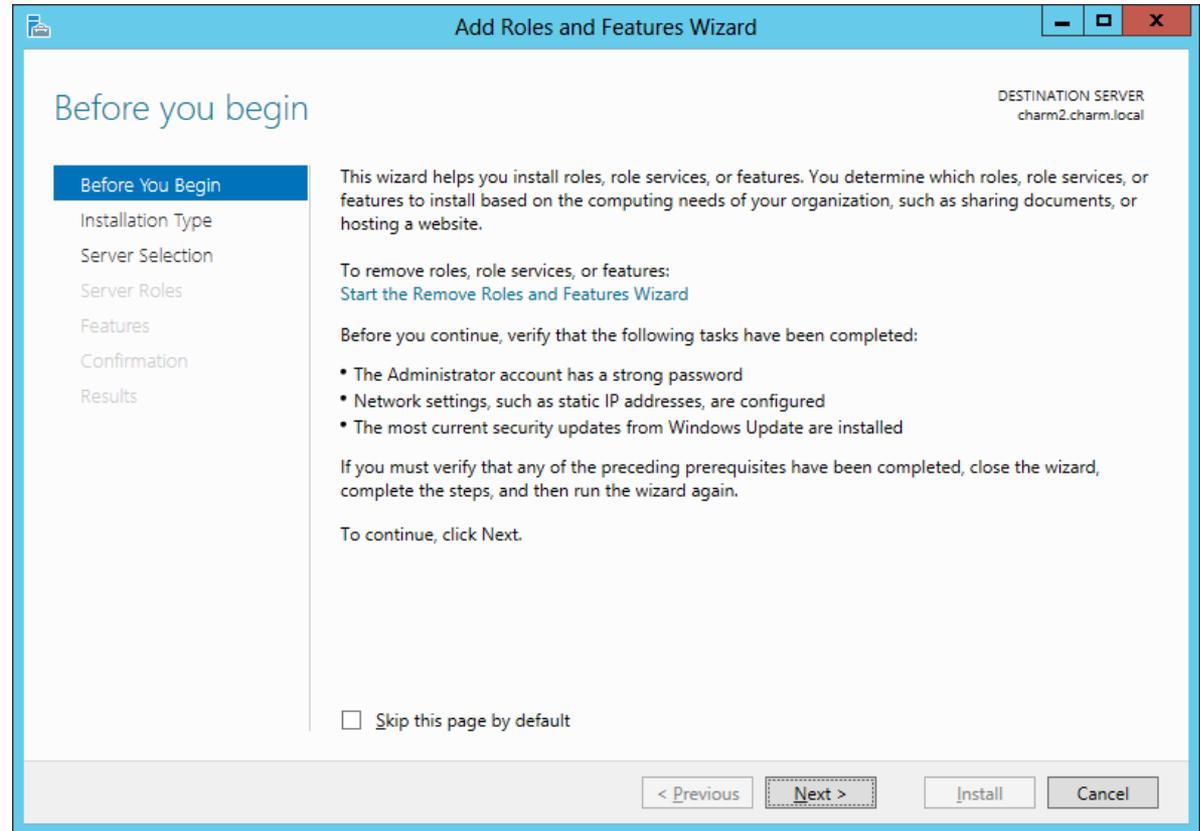
Setup Security Policies

To add a new role such as Internet Information Services on the Windows 2012 Standard Server, we select the Server Manager button from the Task Bar and select Manage from the Dashboard. From the list we choose Add Roles and Features.



Before You Begin

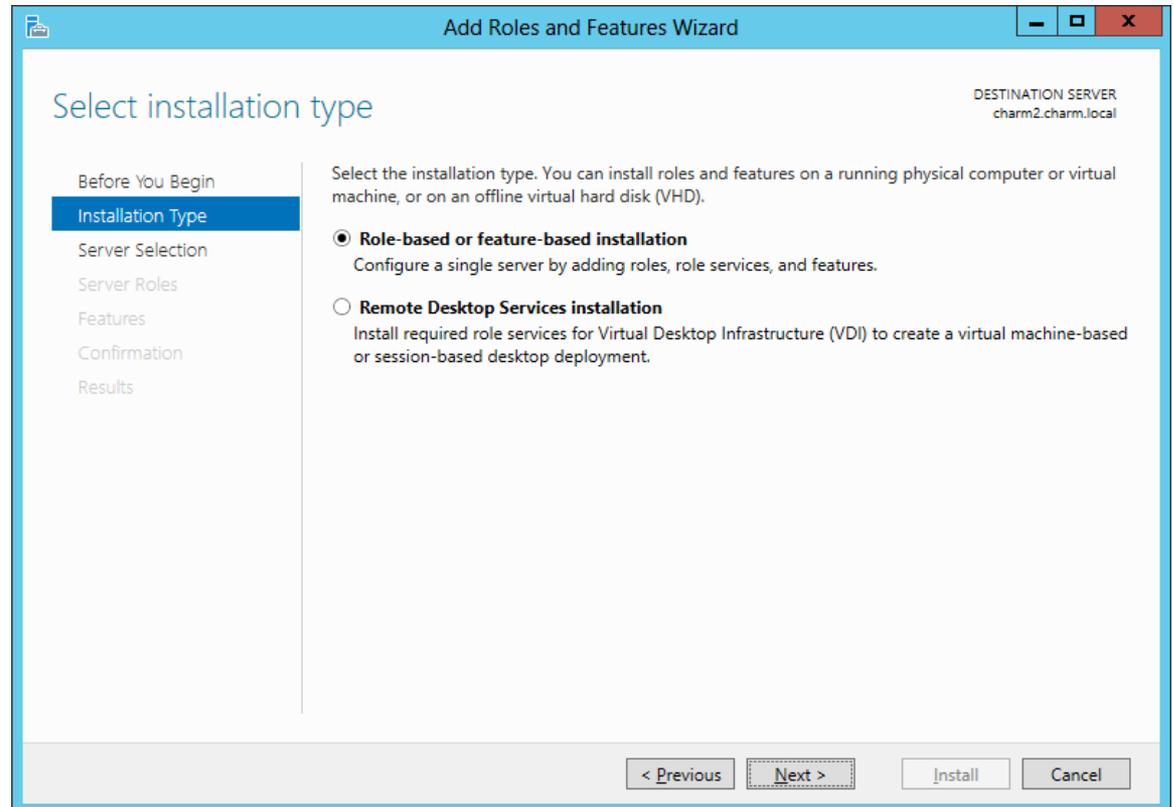
Before we add a role to the Windows 2012 Standard Server, we will want to have a smart password on our administrator account, to configure our network connections with a static IP address and we want to have the most current Service Packs and Windows Updates loaded. If this is done, then we can go ahead and press the Next command button.



Installation Type

Then we opt for the installation type which is either Role based or Remote Desktop Services Installation. For a stand alone server, we will choose the Role based option.

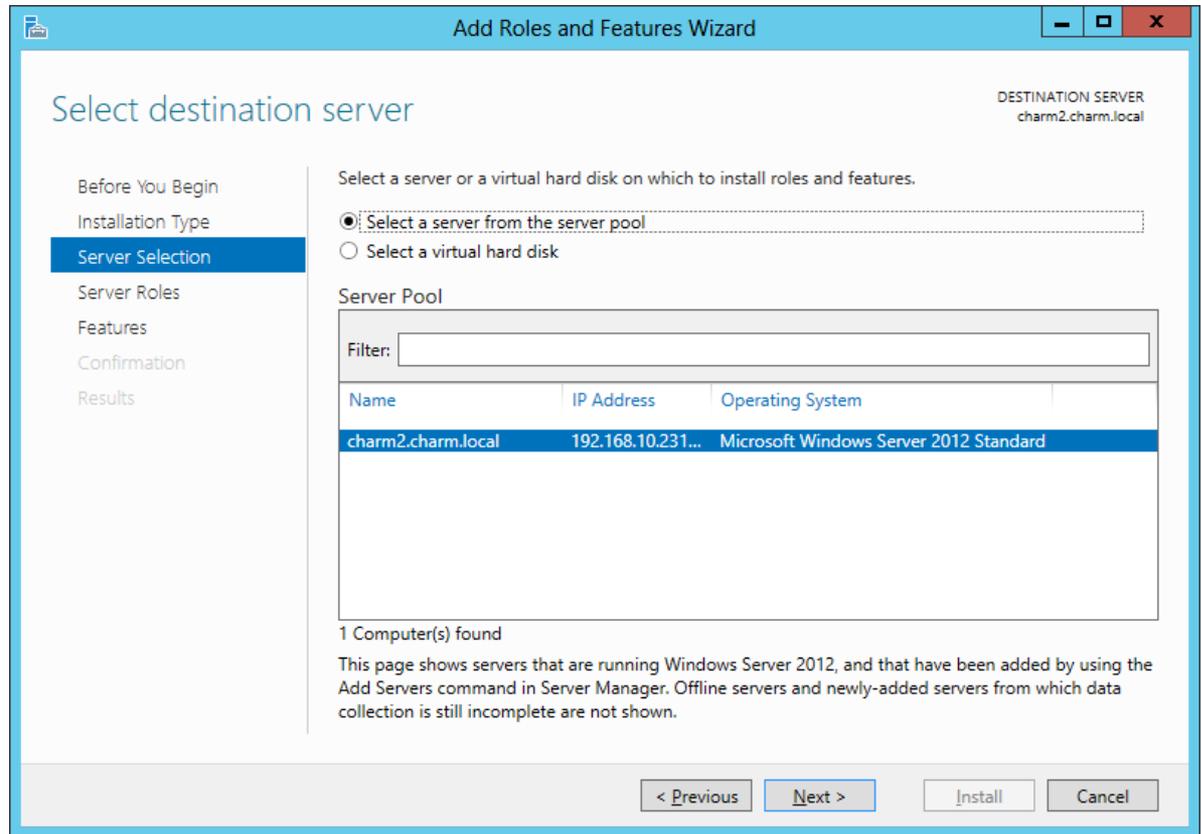
Press the Next button to continue.



Select Destination Server

Now we will select a server from the server pool. This can be a physical or virtual server. We opt to choose a server from the server pool and we highlight our server name from the list.

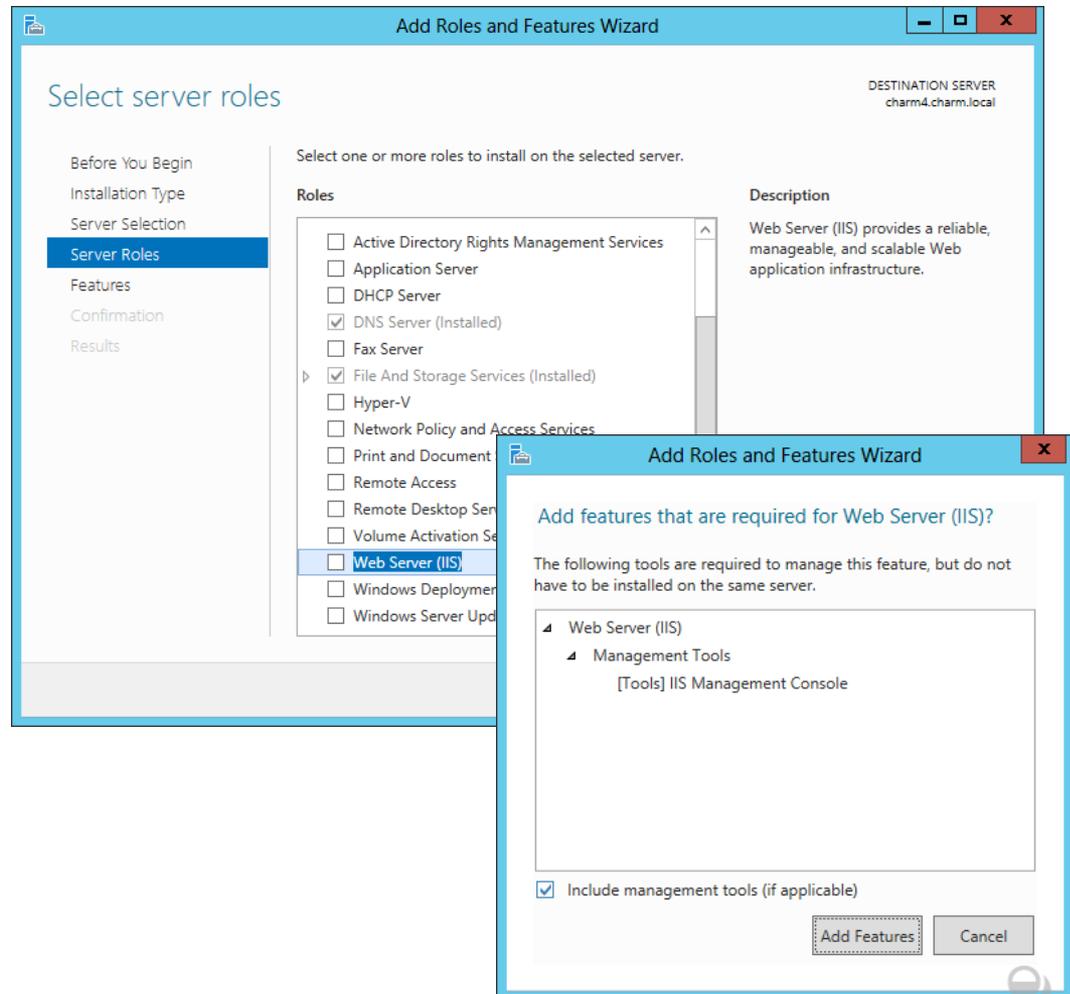
Press the Next button to advance.



Select Server Role

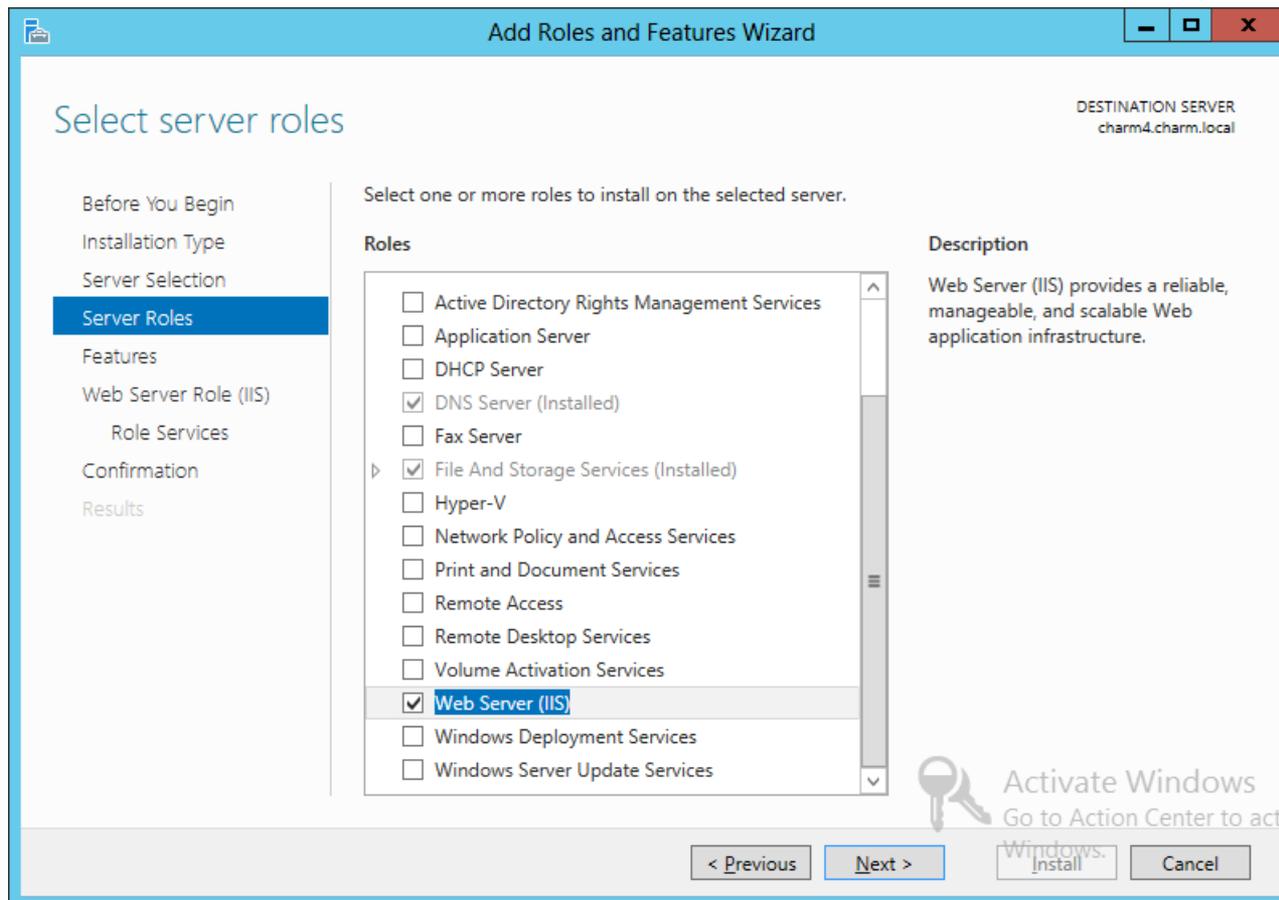
The Add Roles and Features Wizard window shows the multitude of functions a 2012 server can provide. We annotate the Web Server (IIS) checkbox and press the Next button.

A smaller dialogue box will appear and we then press the Add Features button on that pop up window.



Web Server Role Checked

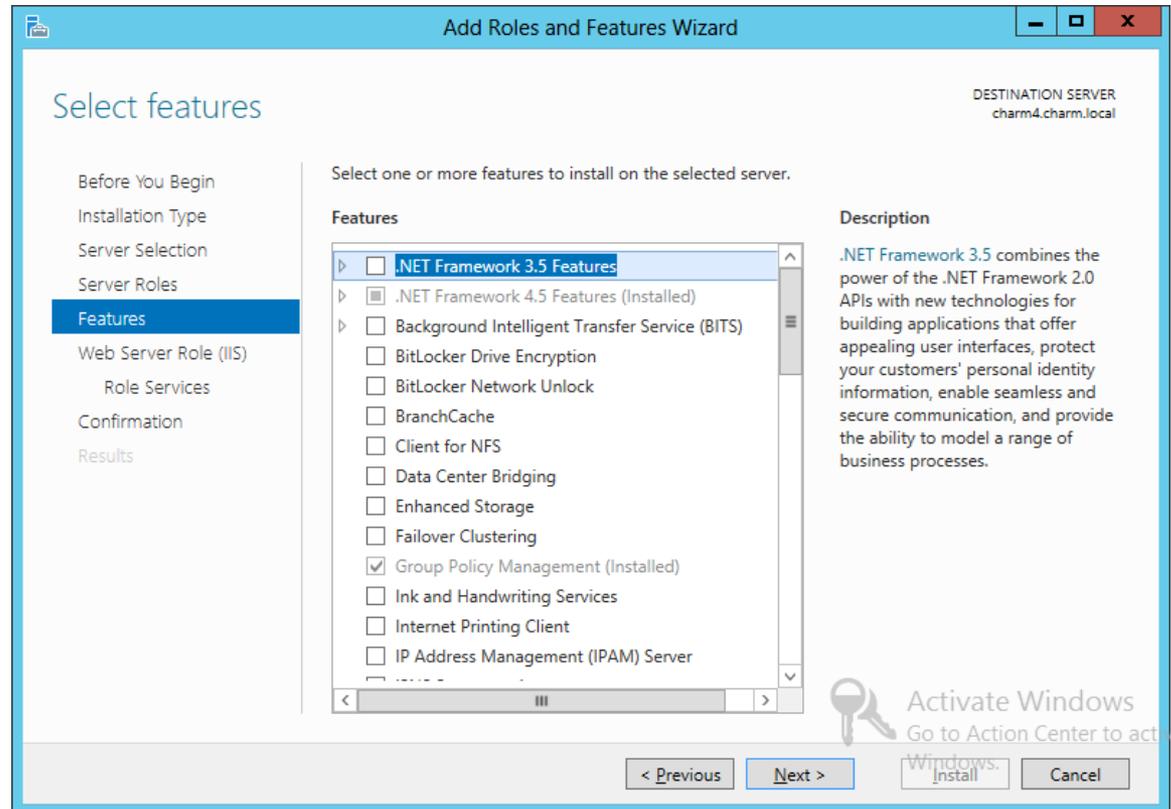
The Windows Deployment Services role is now checked on the roles list and we push the Next button to continue.



Features Window

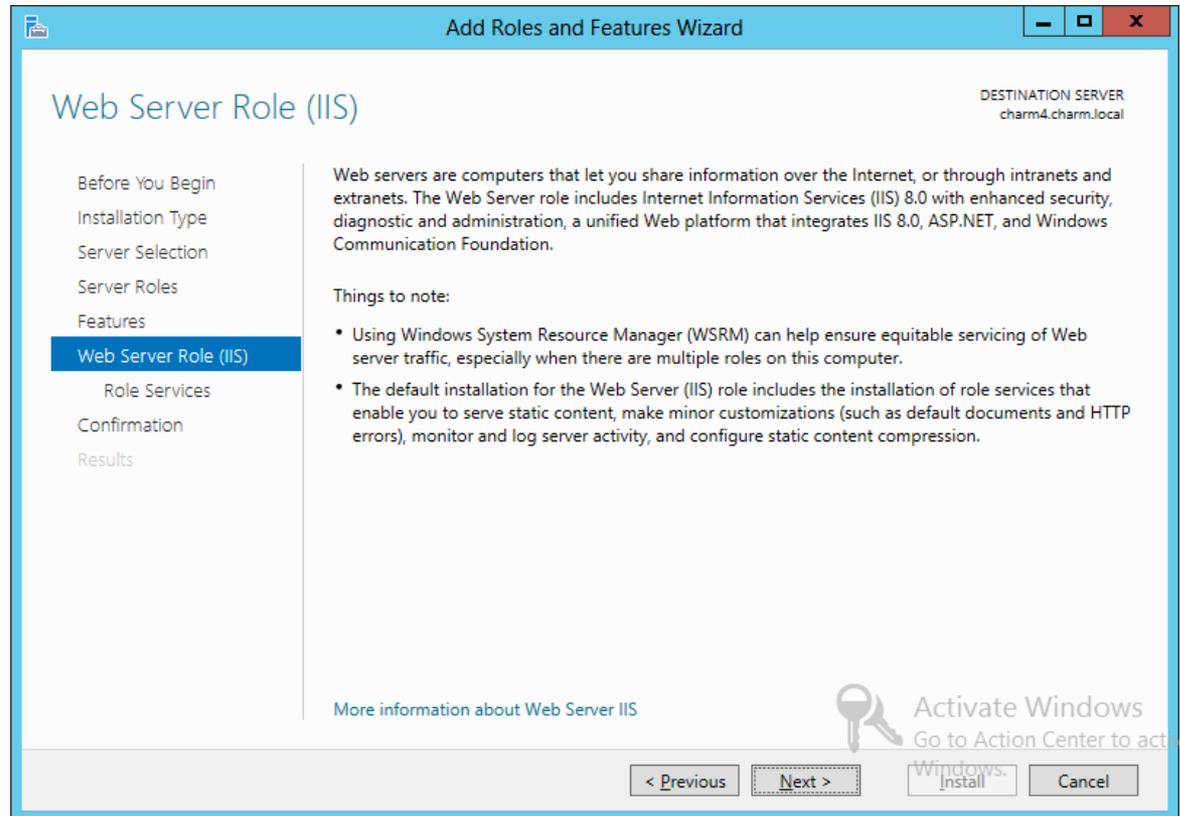
Next, the Features window comes up and we will not add any features at this time.

Press the Next button to go on.



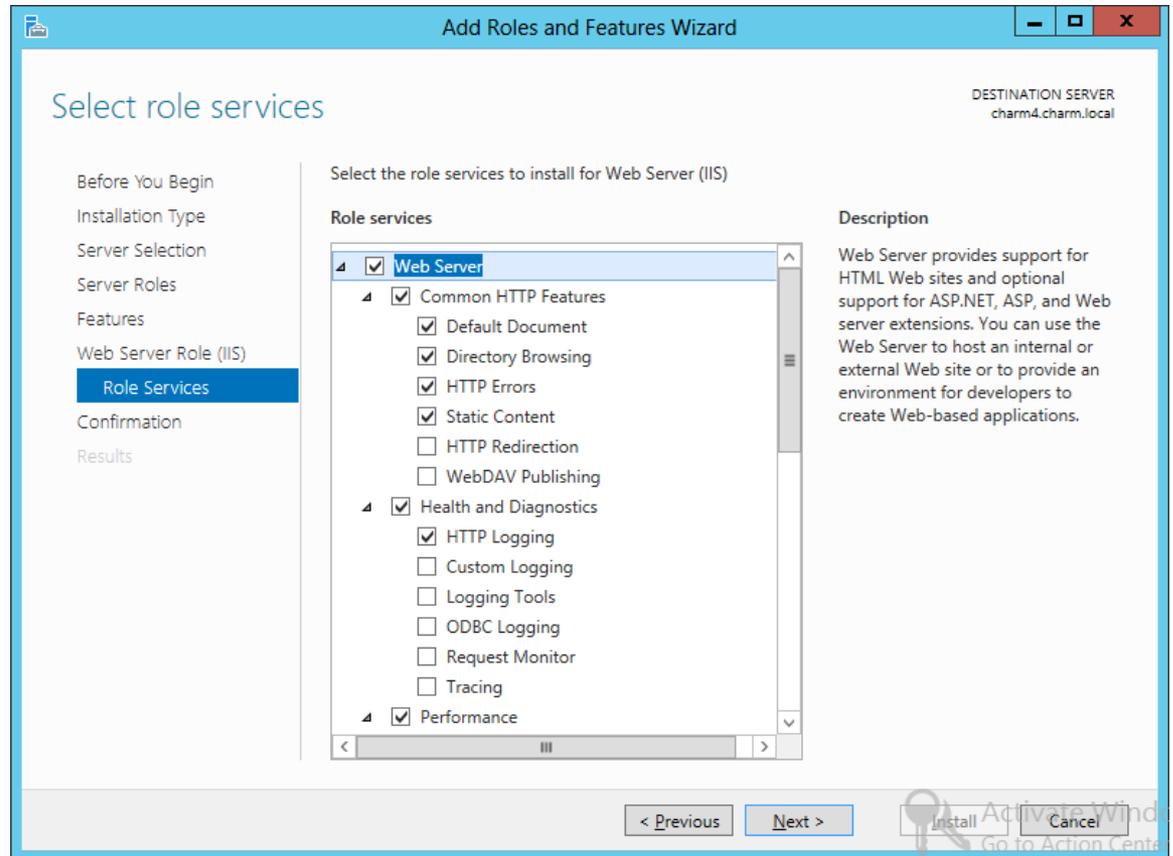
Server Manager

We should review the Introduction to Web Server (IIS) and then depress the Next button.



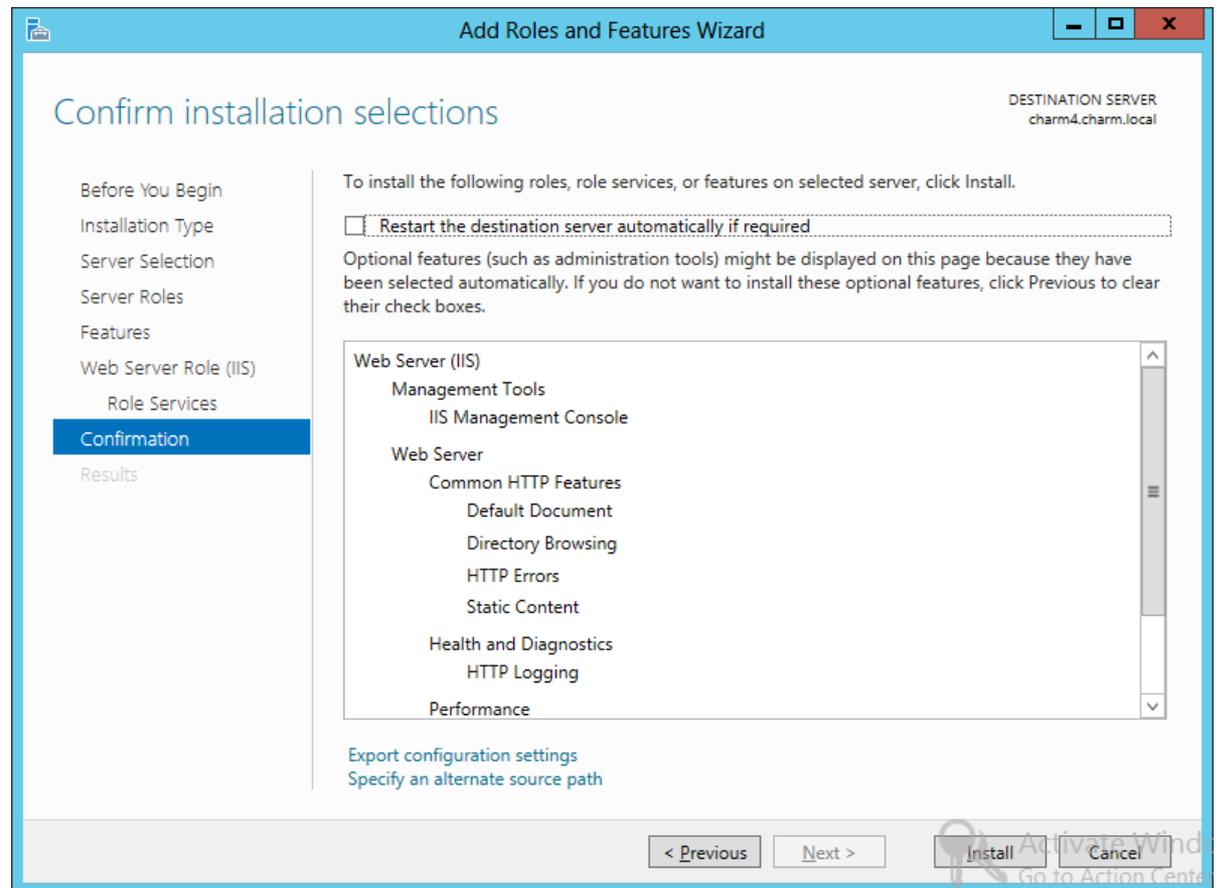
Select Roles Services

We can accept the basic HTTP features or we can augment the services with additional application and diagnostic software. After adding more services, we push the Next button to advance.



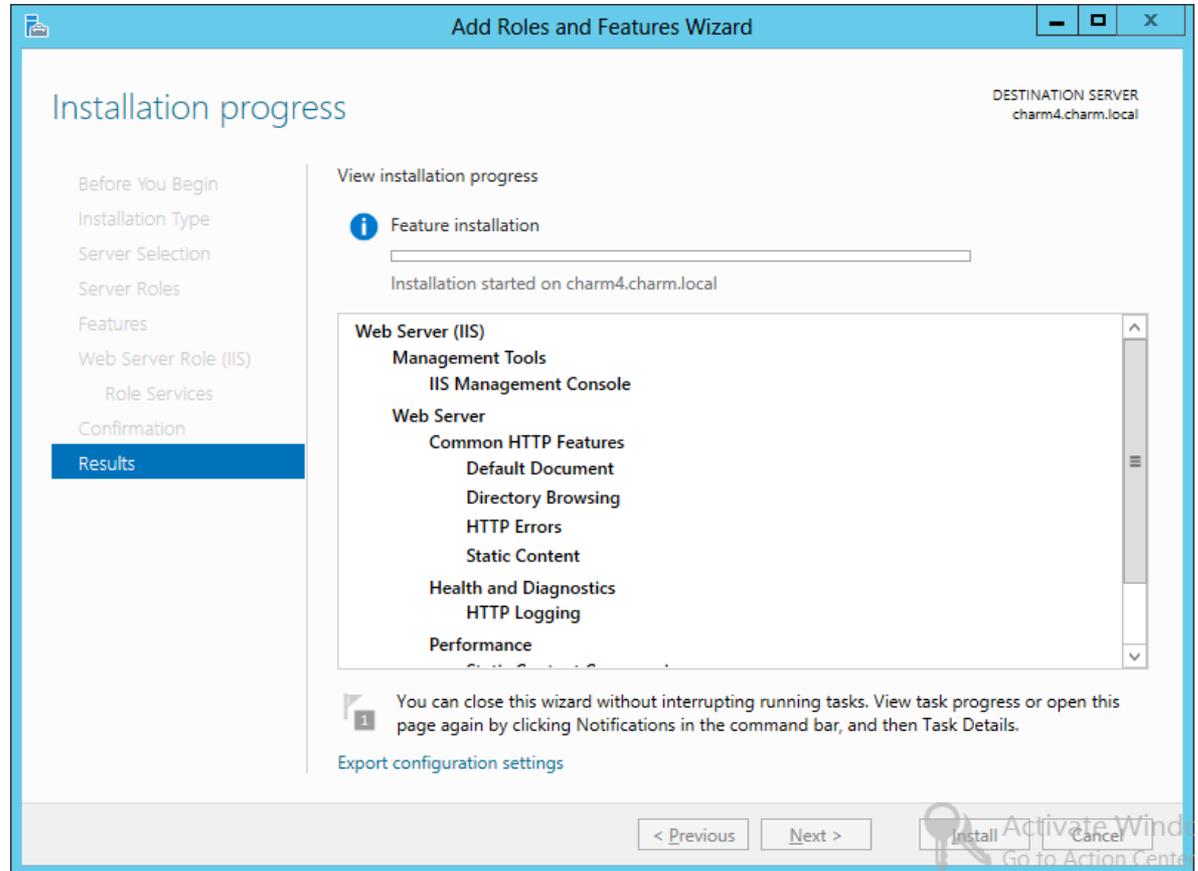
Confirm Installation Selections

Before the installation begins, we can see a summary of our choices and if we need to change anything, we can return to the specific dialogue box using the Previous button. If we agree with all of the settings, we should choose the Install button.



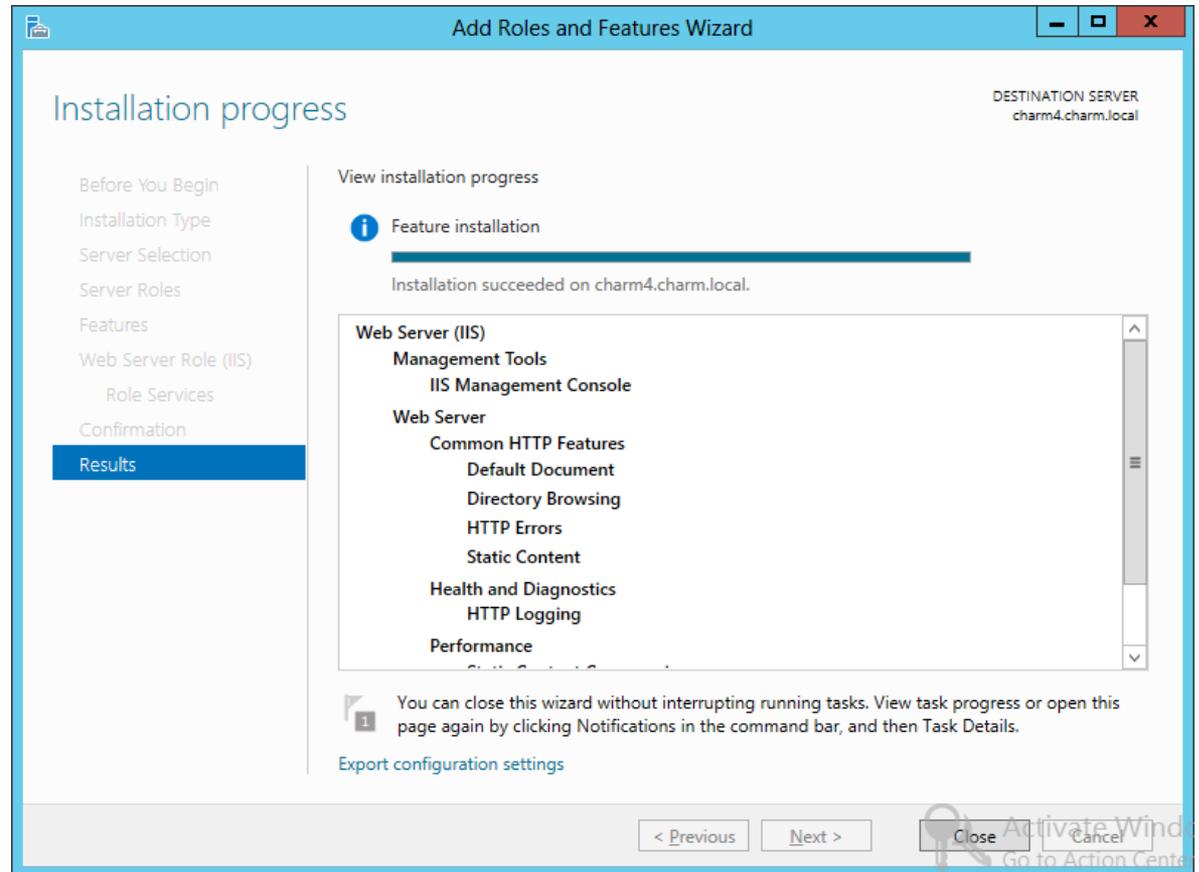
Installation Progress

For several minutes, the Web server will be installed. When the process is complete, we close the Add Roles Wizard and the Server Manager windows.



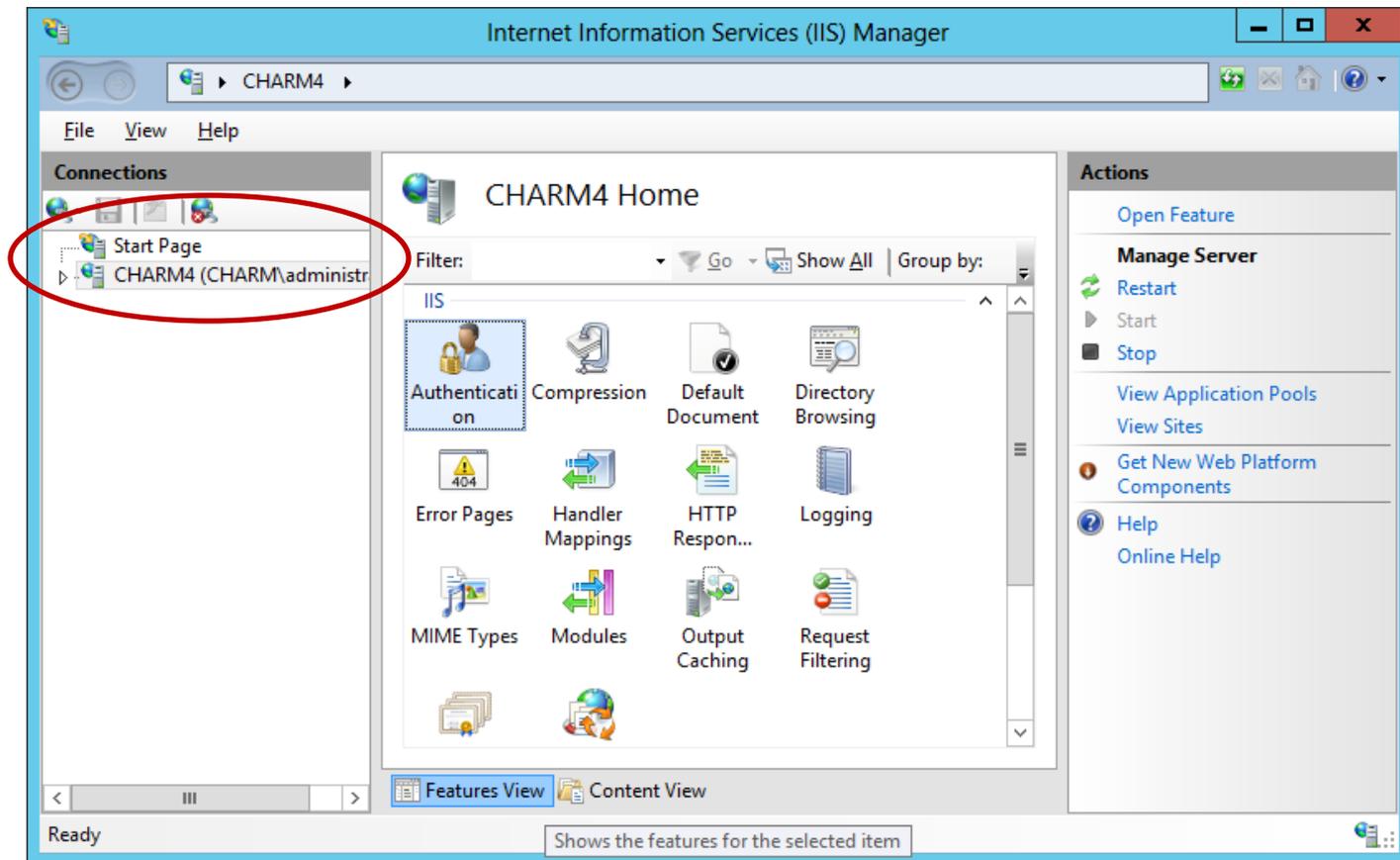
Installation Results

The Internet Information Services (IIS) is now successfully installed. We can close the Add Roles wizard.



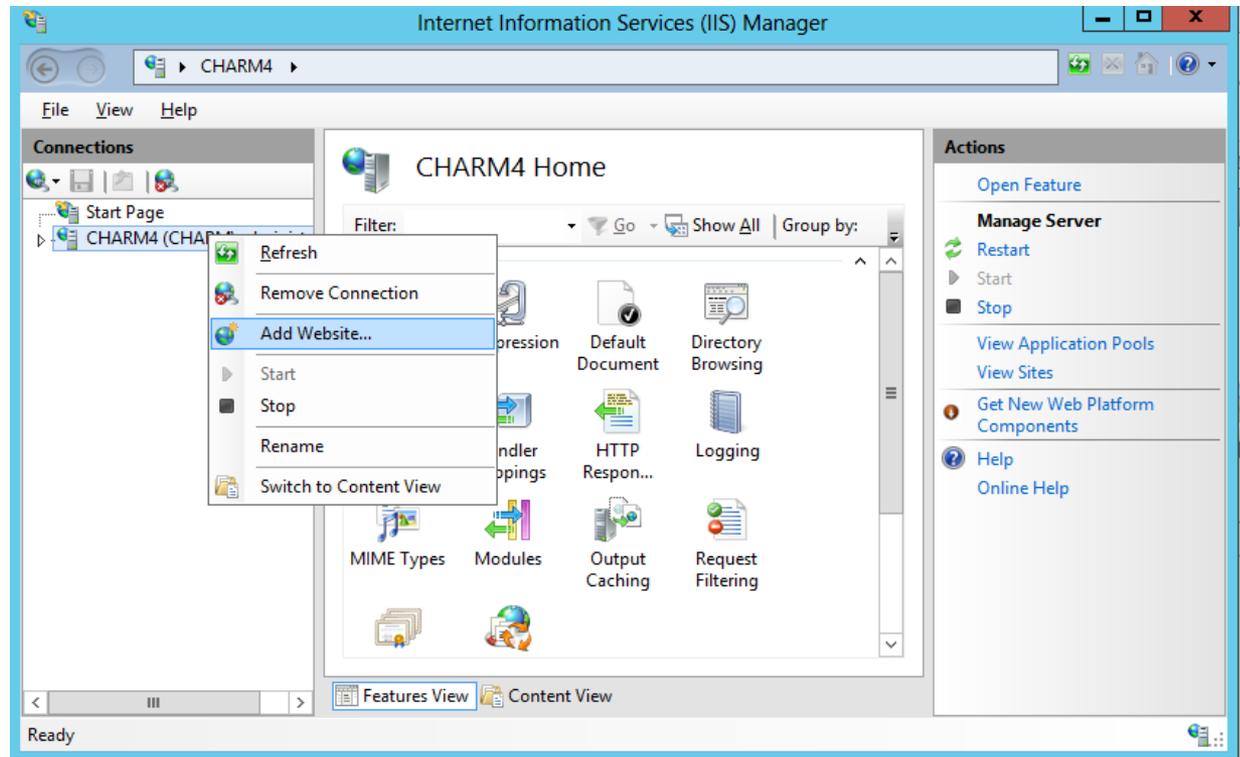
Open the Internet Information Services Manager Console

We now open the Internet Information Services Manager Console. We will expand the WDS server on charm.



Add Web Page

We continue to expand the folders in the left pane. We right click on Sites and we choose the Add Web Site from the popup menu.



Add Web Site

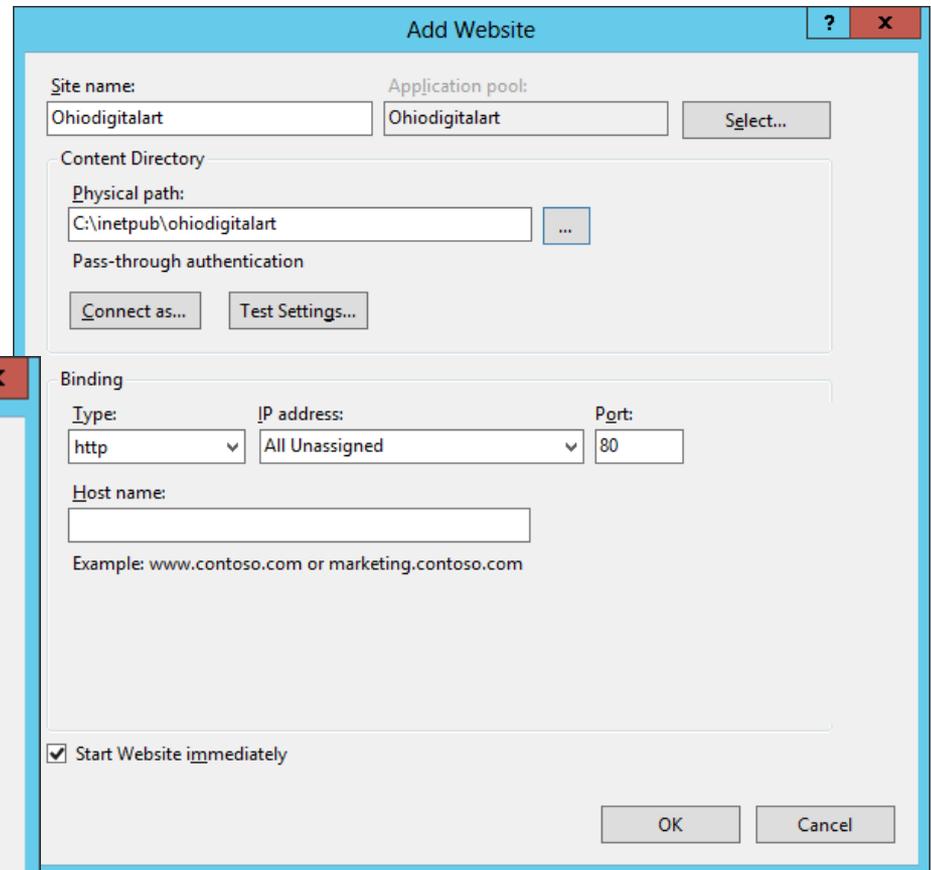
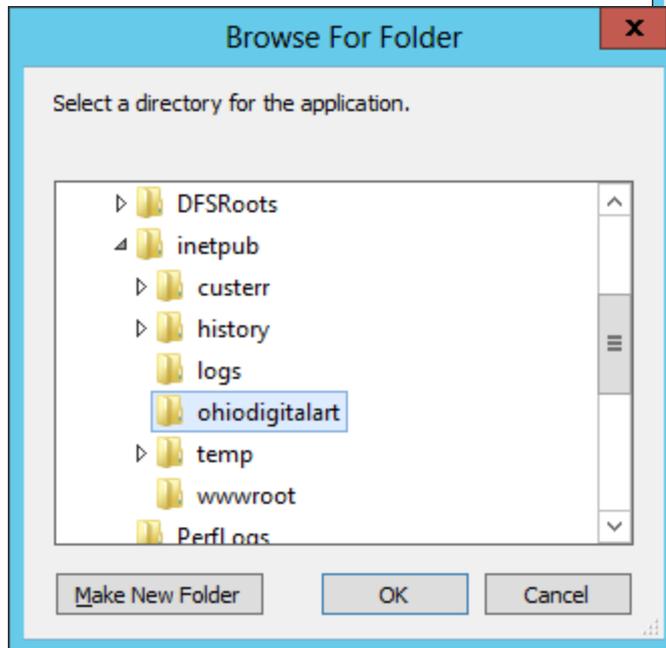
For the Site name, we type “Ohiodigitalart”.

The screenshot shows the 'Add Website' dialog box with the following configuration:

- Site name:** Ohiodigitalart
- Application pool:** Ohiodigitalart
- Content Directory:** Physical path is empty.
- Binding:** Type: http, IP address: All Unassigned, Port: 80.
- Host name:** Empty.
- Start Website immediately:** Checked.

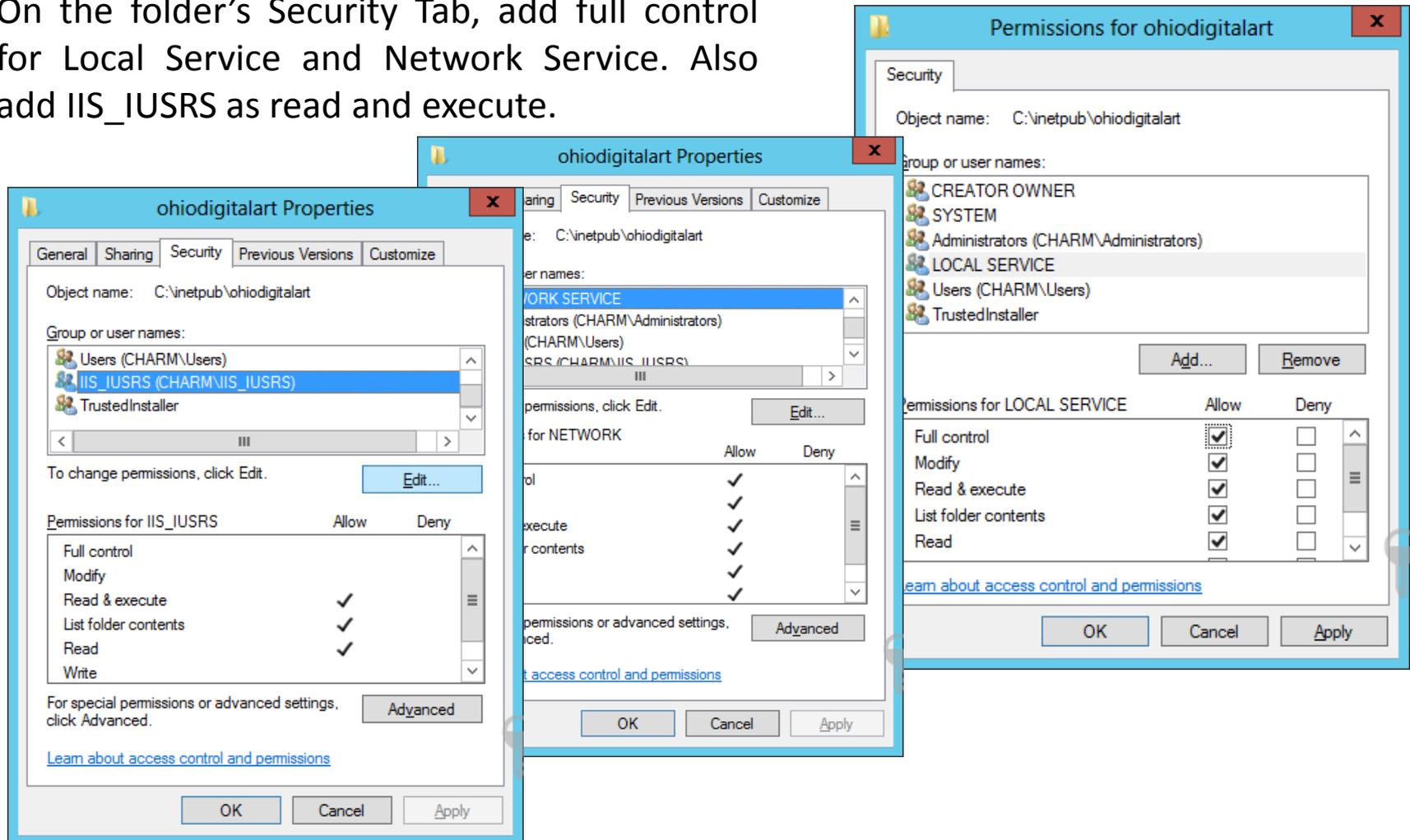
Browse for the Physical Path

We placed the Ohio digital art folder in the Inetpub folder on the web server's C: drive. We show the path to the Ohio digital art folder by picking the 3 dotted button and browsing for our ohiodigitalart folder.



Permissions for the Web Folder

On the folder's Security Tab, add full control for Local Service and Network Service. Also add IIS_IUSRS as read and execute.



Binding Data

We bind the 192.168.100.2 IP address to ohio digital art website on port 80 and type the host name as www.ohiodigitalart.com.

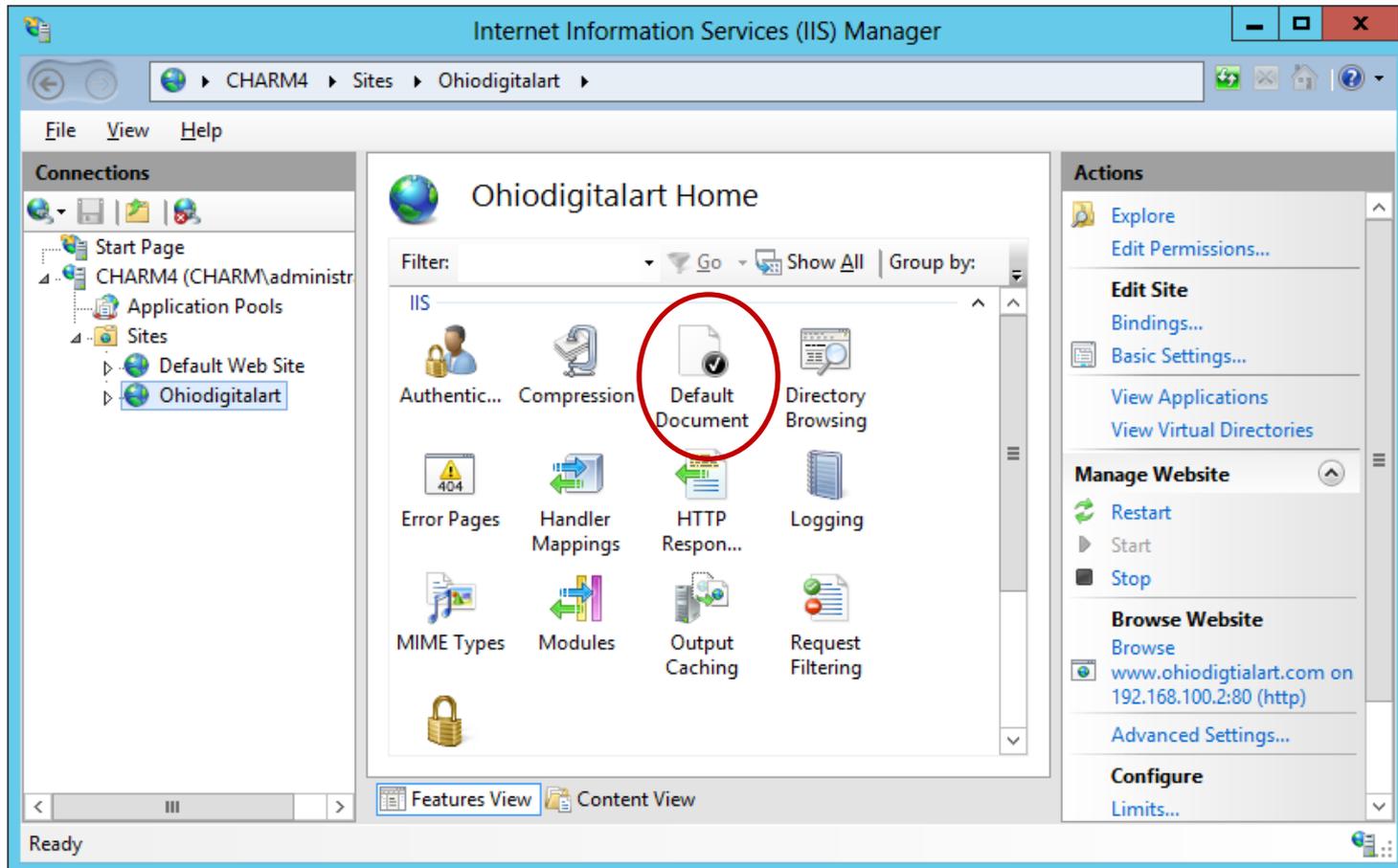
We keep the start web site immediately checkbox annotated. We press OK to close the Add Web Site window.

The screenshot shows the 'Add Website' dialog box with the following configuration:

- Site name:** Ohiodigitalart
- Application pool:** Ohiodigitalart
- Content Directory:**
 - Physical path:** C:\inetpub\ohiodigitalart
 - Pass-through authentication:** (unchecked)
- Binding:**
 - Type:** http
 - IP address:** 192.168.100.2
 - Port:** 80
 - Host name:** www.ohiodigitalart.com
 - Example: www.contoso.com or marketing.contoso.com
- Start Website immediately

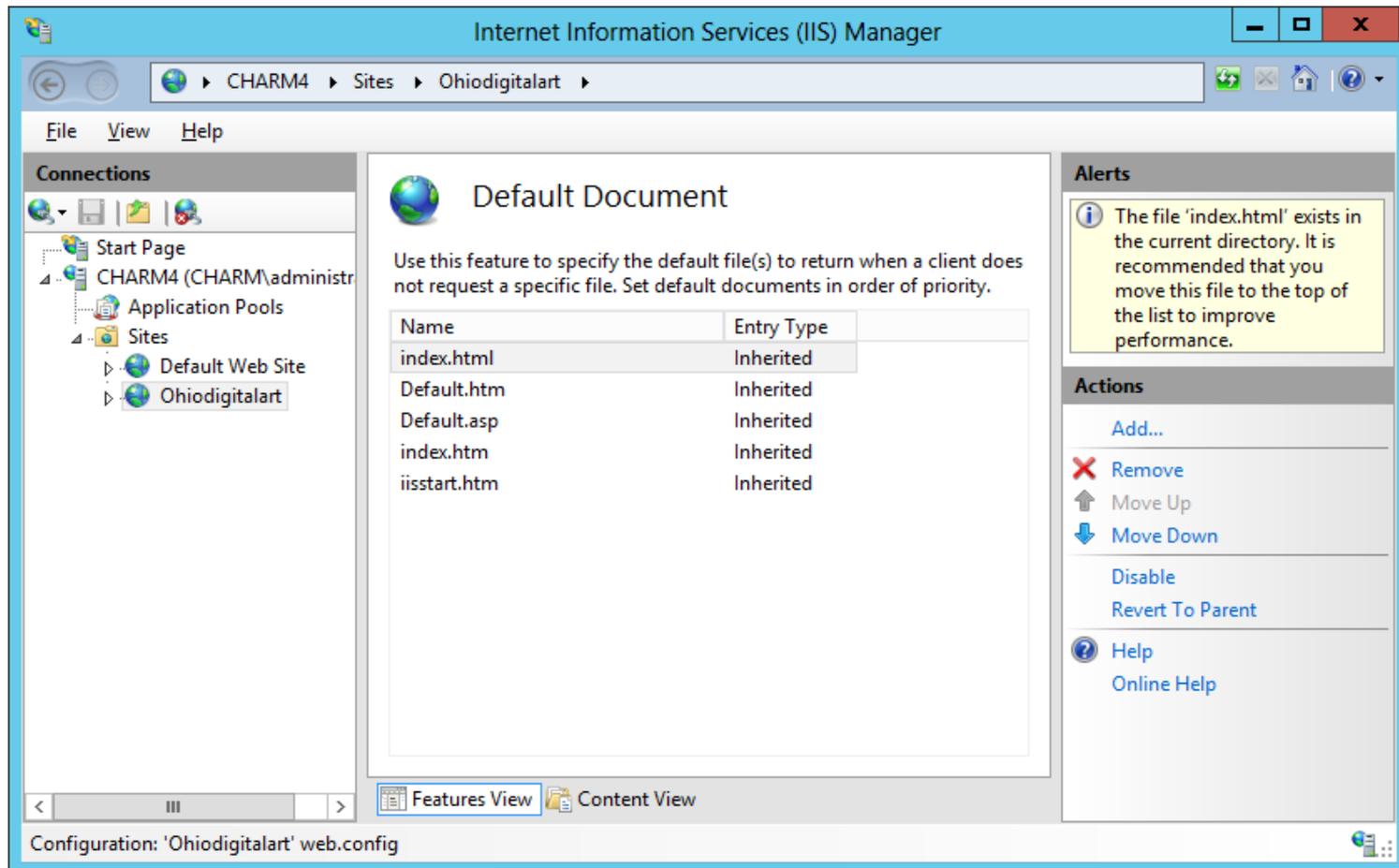
Default Document

We pick the Default Document icon to establish the name of the web page that will open when people visit the www.ohiodigitalart.com website or search for the 192.168.100.2 IP address.



Identifying the Index Page

We delete the other documents and keep the index.htm page. This is the page that is opened when the website is visited.



The screenshot shows the Internet Information Services (IIS) Manager interface. The breadcrumb path is CHARM4 > Sites > Ohiodigitalart. The left-hand 'Connections' pane shows a tree view with 'Ohiodigitalart' selected under 'Sites'. The main pane is titled 'Default Document' and contains the following table:

Name	Entry Type
index.html	Inherited
Default.htm	Inherited
Default.asp	Inherited
index.htm	Inherited
iisstart.htm	Inherited

Below the table, there is an 'Alerts' section with a message: 'The file 'index.html' exists in the current directory. It is recommended that you move this file to the top of the list to improve performance.' Below the alerts is an 'Actions' section with buttons for 'Add...', 'Remove', 'Move Up', 'Move Down', 'Disable', 'Revert To Parent', 'Help', and 'Online Help'. At the bottom of the window, the status bar indicates 'Configuration: 'Ohiodigitalart' web.config'.

Checking the Website with the Web Browser

We can type 192.168.100.2 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.

