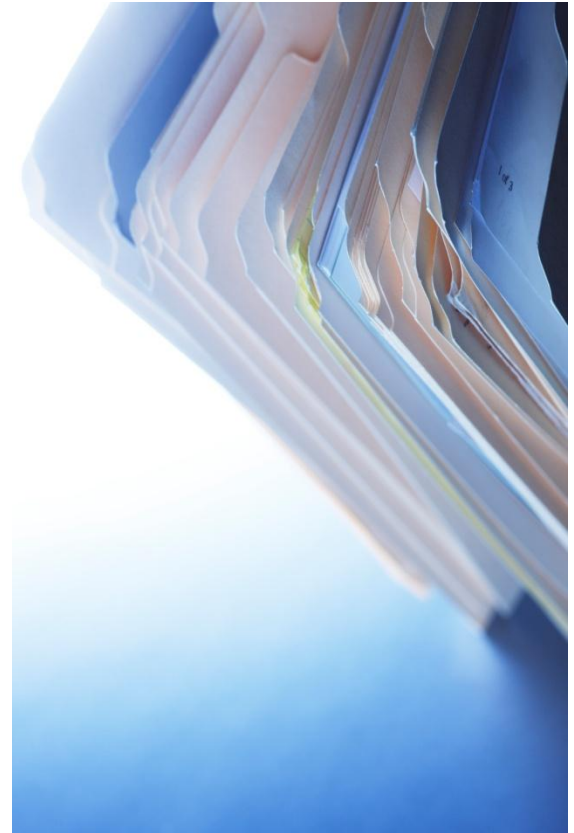


# Installing Distributed File System (DFS) on a 2012 Server

July 9, 2013

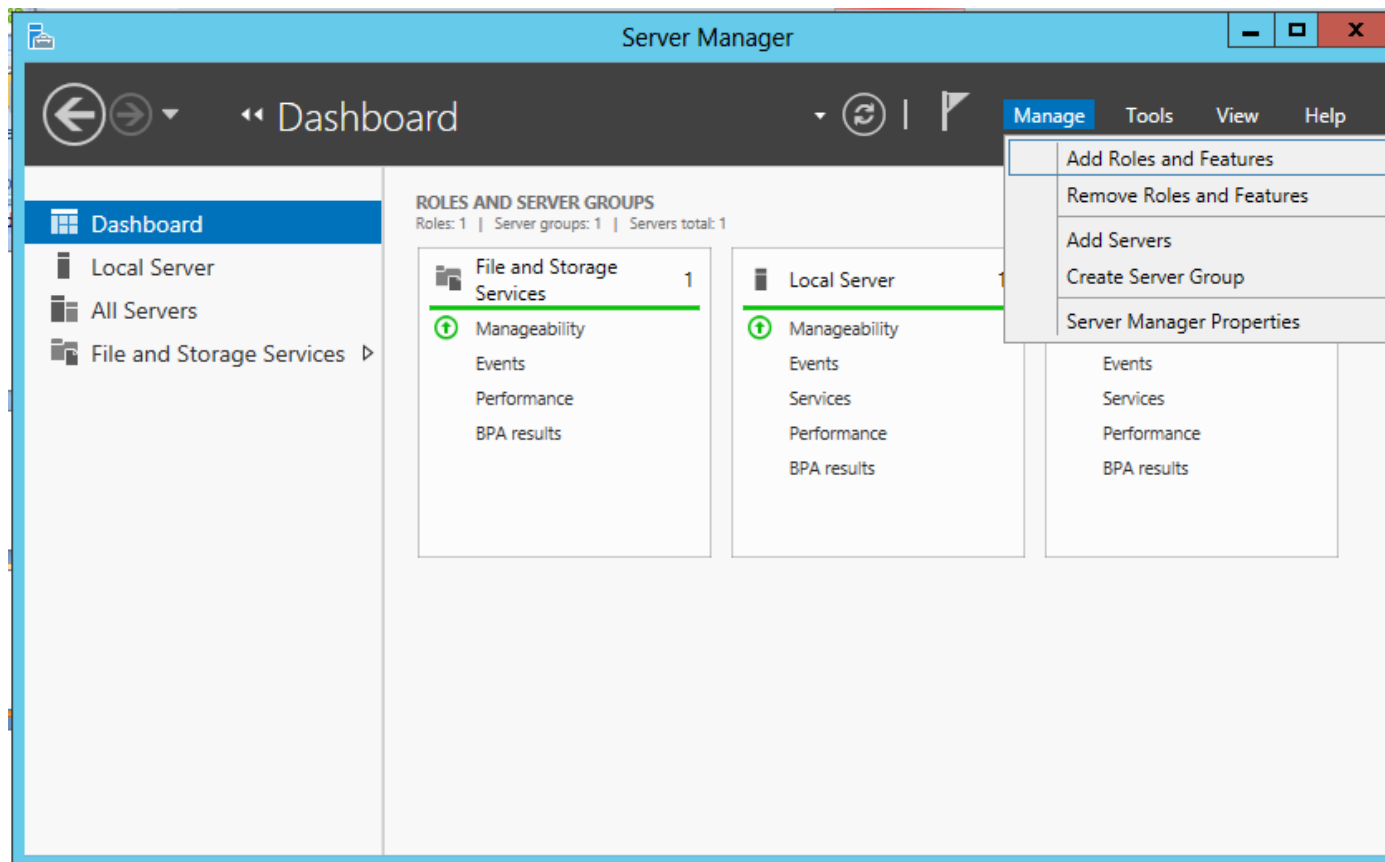
# The Distributed File System

We use the Distributed File System to replicate our files from the shared folders holding the data for our organization to the secondary server.



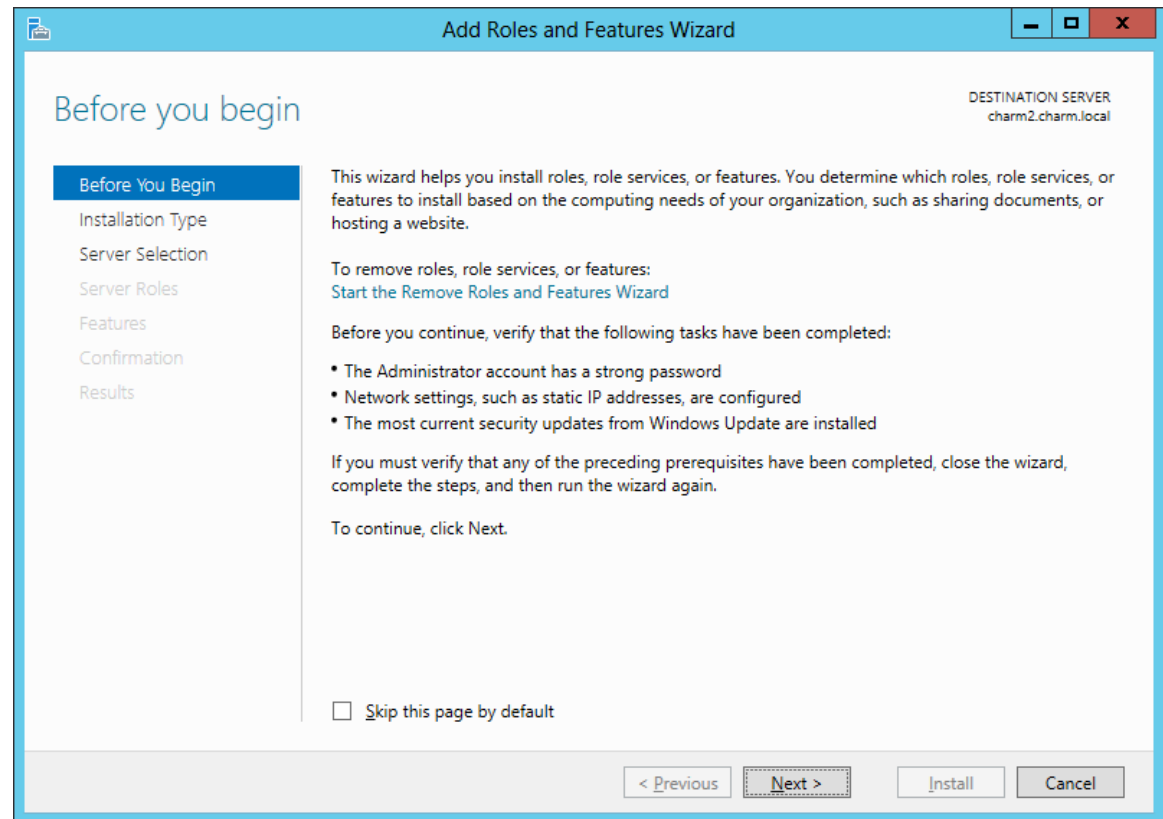
# Setup Security Policies

To add a new role such as Distributed File 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

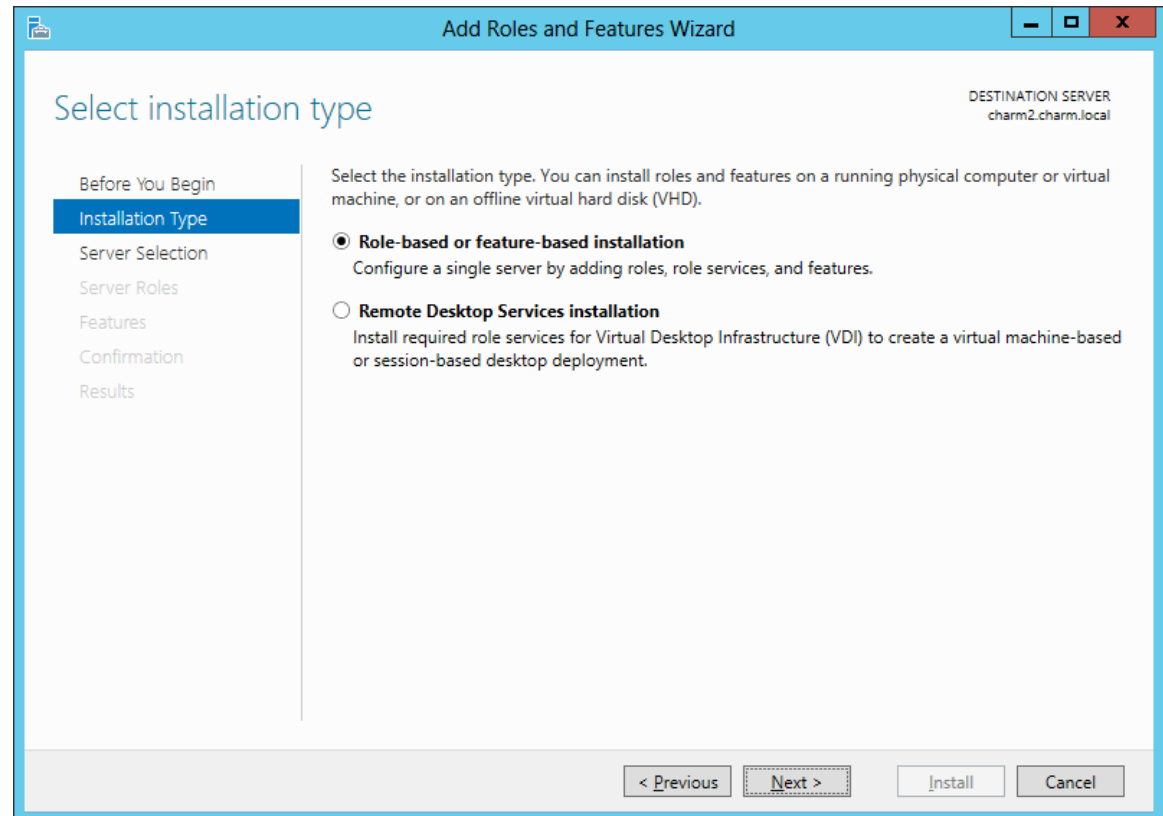
Before we add a role to the Windows 2012 Standard Server, we will want to have a smart password on our administrator account, to configure our network connections with a static IP address and we want to have the most current Service Packs and Windows Updates loaded. If this is done, then we can go ahead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

The screenshot shows the 'Add Roles and Features Wizard' window. The title bar says 'Add Roles and Features Wizard'. The main heading is 'Select destination server'. In the top right corner, it says 'DESTINATION SERVER charm2.charm.local'. On the left, there is a navigation pane with the following items: 'Before You Begin', 'Installation Type', 'Server Selection' (which is highlighted), 'Server Roles', 'Features', 'Confirmation', and 'Results'. The main area contains the text 'Select a server or a virtual hard disk on which to install roles and features.' Below this, there are two radio buttons: 'Select a server from the server pool' (which is selected) and 'Select a virtual hard disk'. Below the radio buttons is a section titled 'Server Pool'. It contains a 'Filter:' text box. Below the filter is a table with the following data:

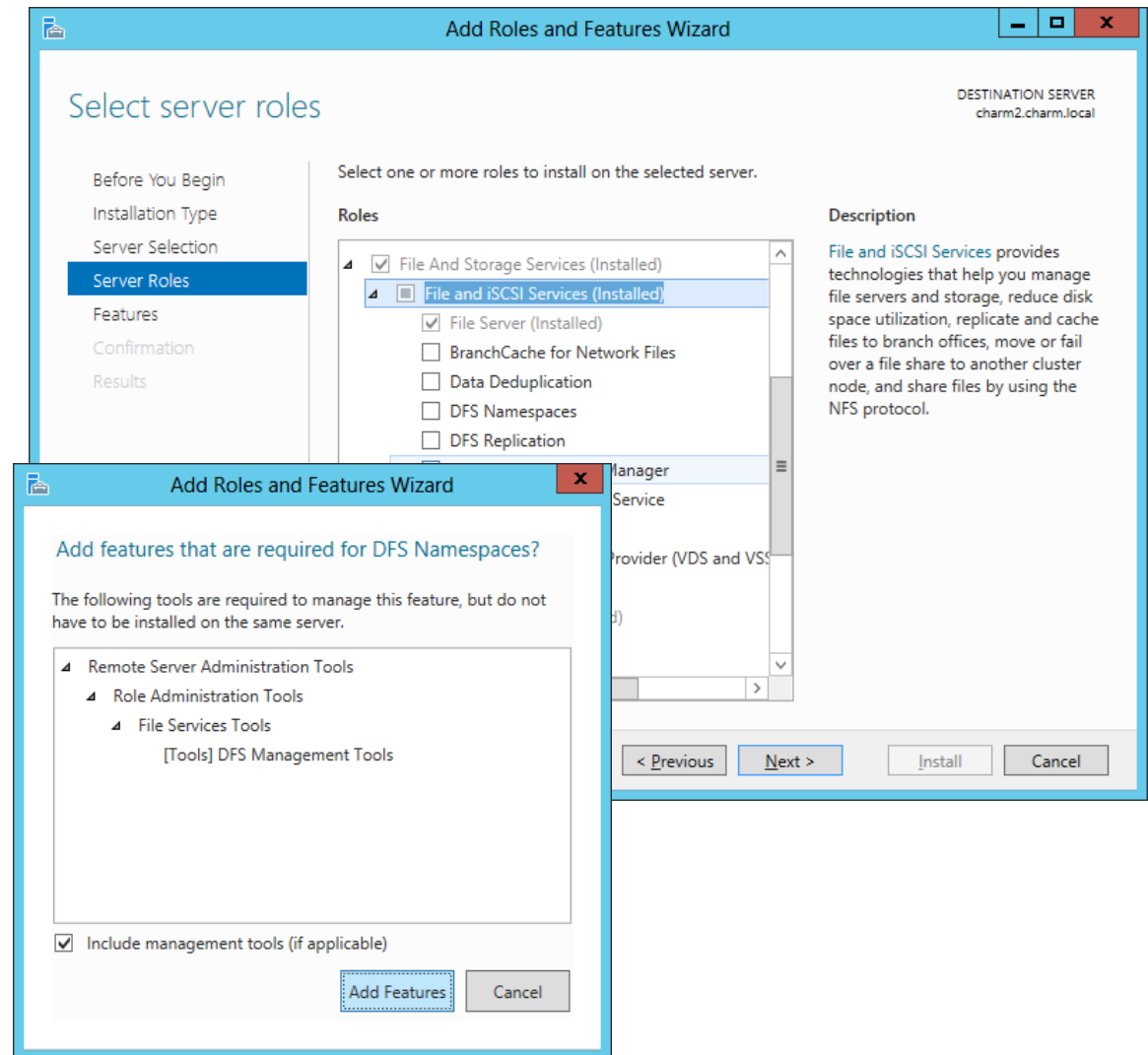
Name	IP Address	Operating System
charm2.charm.local	192.168.10.231...	Microsoft Windows Server 2012 Standard

Below the table, it says '1 Computer(s) found'. At the bottom of the main area, there is a note: 'This page shows servers that are running Windows Server 2012, and that have been added by using the Add Servers command in Server Manager. Offline servers and newly-added servers from which data collection is still incomplete are not shown.' At the bottom of the window, there are four buttons: '< Previous', 'Next >' (which is highlighted), 'Install', and 'Cancel'.

# Select Server Role

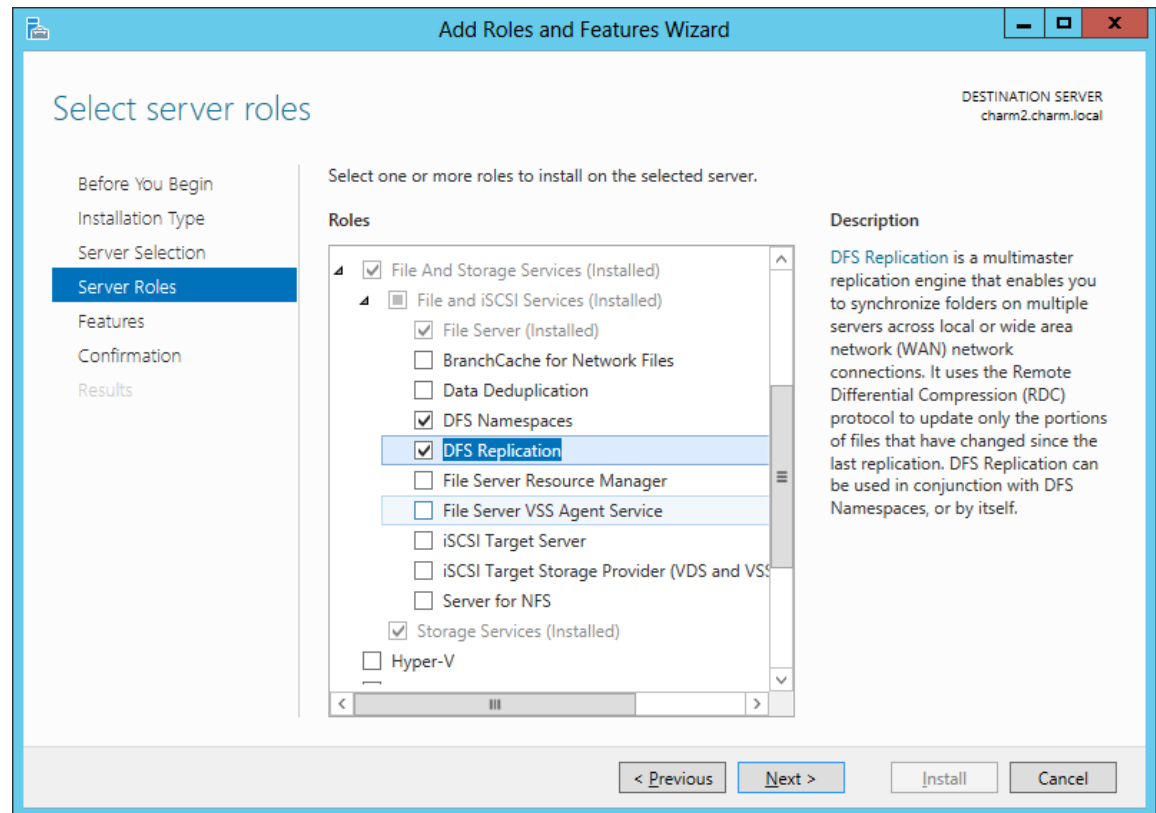
The Add Roles and Features Wizard window shows the multitude of functions a 2012 server can provide. We see the File and Storage Devices is installed. Double click it to expand the selection. Annotate the DFS Namespace.

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



# Select Role Services

On the Select Role Services window, annotate the Distributed File Services, DFS Namespaces and DFS Replication checkboxes.

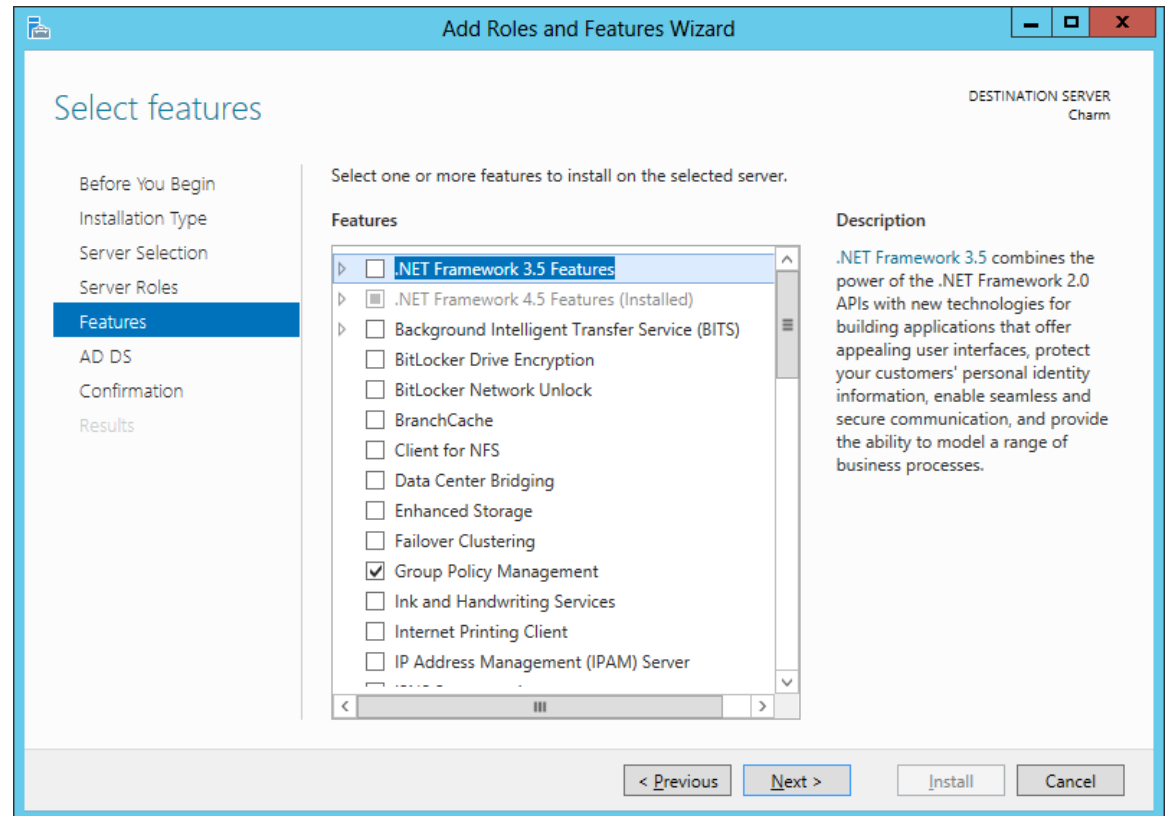




# Features Window

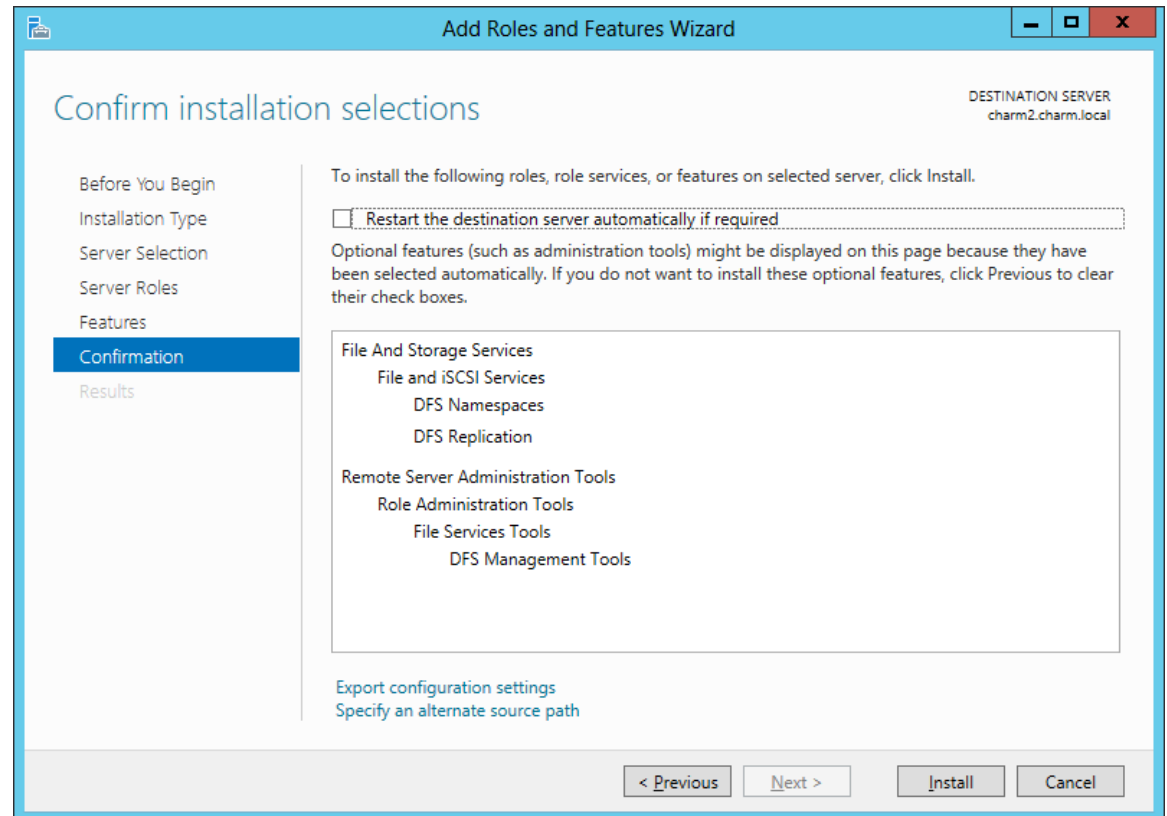
Next, the Features window comes up and we will not add any features at this time.

Press the Next button to go on.



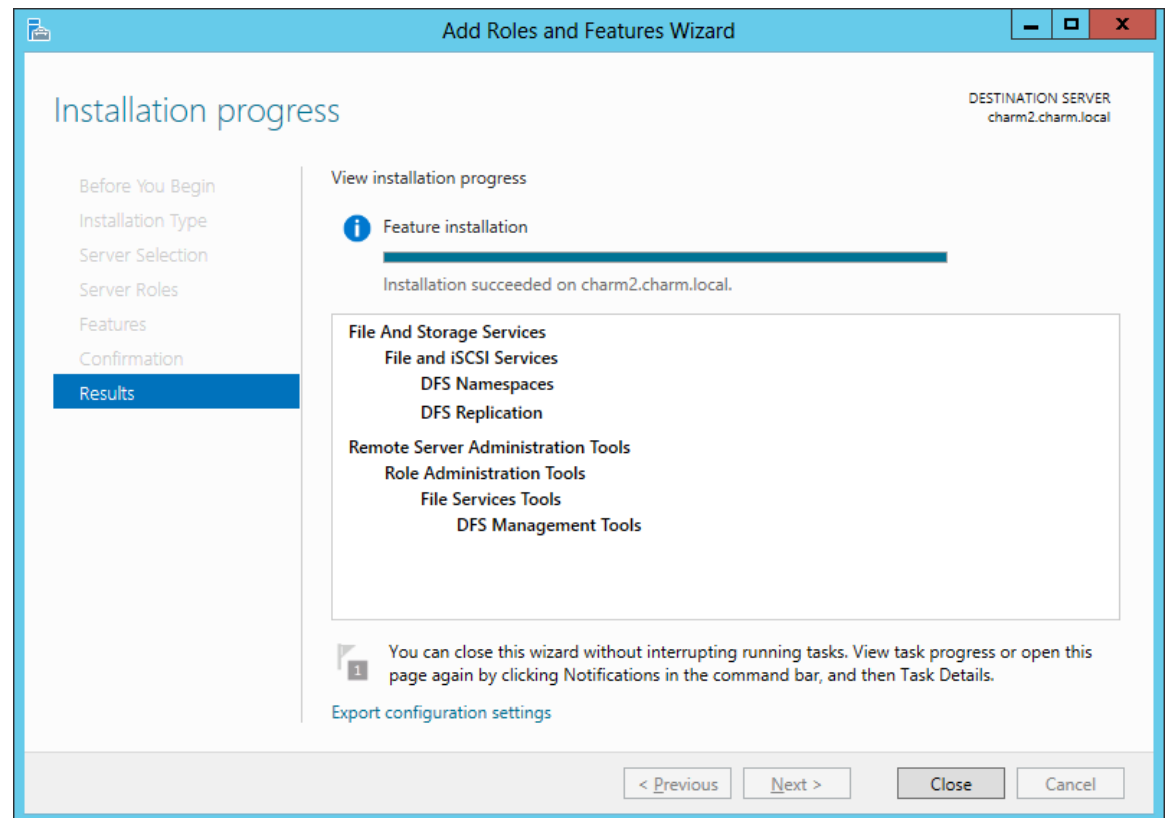
# Confirm Installation Selections

We confirm that we want to set the machine up as a Distributed File Services, so we pick the Install button to proceed.



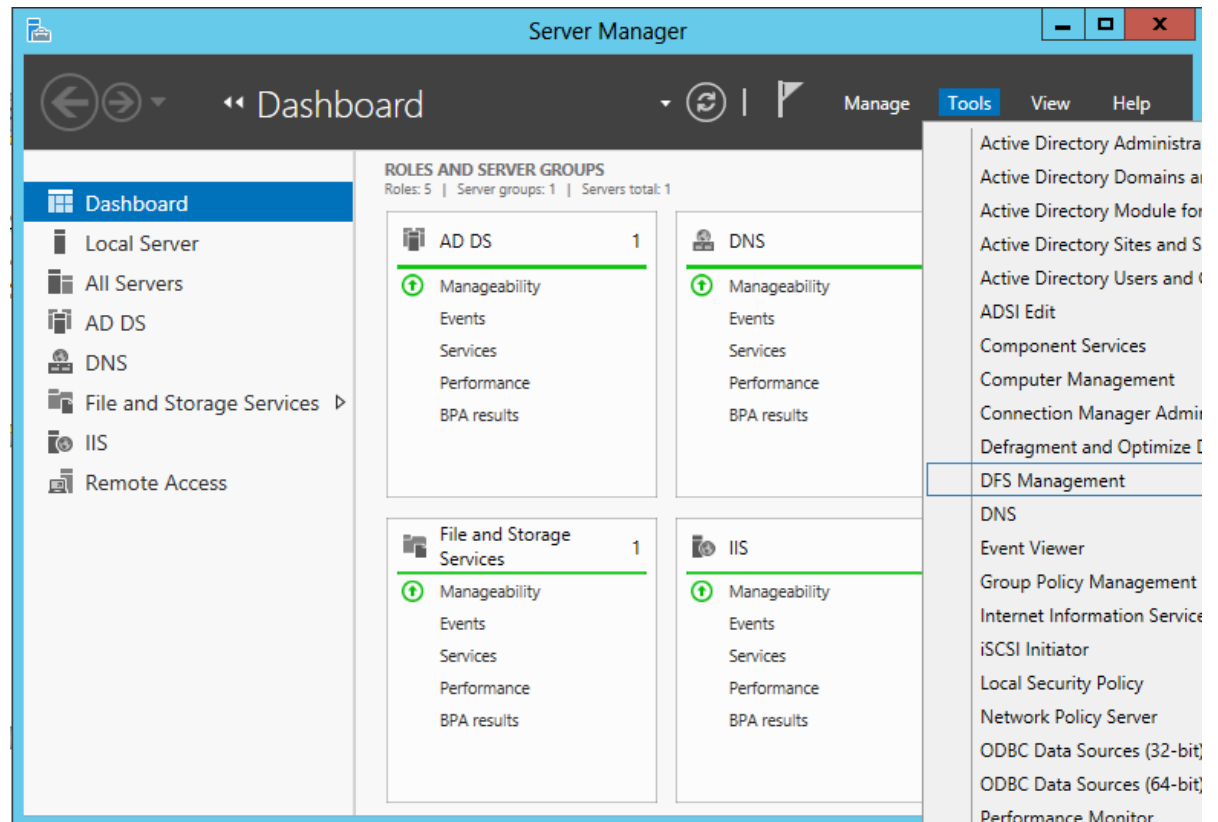
# Installation Results

Finally, the server File Distribution Services role installation is completed. We can close the window.



# DFS Management

In the Server Manager window, select Tools and then choose DFS Management.



# DFS Management Window

In the next lesson, we will replicate between two servers.

