



Project Three

Title: “Getting To Know Microsoft Server 2008 Server Manager and Installing/Removing Server Roles.”

Points: 35 points

Due Date: Sunday February 22, 2015 by 11:59 pm (WebCourses time)

Objectives: To gain familiarity with the Server Manager tool in Windows Server 2008 and to gain some experience installing and removing server roles.

Deliverables: Six screen shots as illustrated in the project details below.

Project Overview

In this project you will become more familiar with both the virtual environment you’re running and the Server Manager tool in Windows Server 2008.

As we’ve covered in the notes, Windows Server 2008 can implement many different server roles (16 possibilities in the Standard R2 Edition). Some services associated with a server role allow the system admin to elect to install different portions or components of the service without installing all of the components.

One of the first steps in managing server roles is to learn how to install and remove server roles using the Server Manager tool. This is the first objective of this project.

Two common roles for a Windows Server 2008 server are those of a file server and a print server, which are offered through the File Services and Print Services roles. This is especially true in small to medium size organizations.

The File Services role focuses on sharing files from the server or using the server to coordinate and simplify file sharing through Distributed File System (DFS).

In the Print Services role, the Windows Server 2008 can be used to manage network printing services and it can offer one or more networked printers connected to the network through the server itself.

We’ll see more about DFS and network printing later in the semester.

Another reason it is important as a system admin to be able to install and remove server roles is that often the role of a server in an organization changes over time.

For example, consider the scenario of a small organization that initially has one server housing file services, print services, DHCP (Dynamic Host Configuration Protocol), and DNS (Domain Name Service). As the organization grows, it decides to dedicate that server to only the file and print services roles and to add a new server to handle the DHCP and DNS roles.

As the system admin, you will need to know how to remove and install the various server roles to be assigned to the various servers under your administration.

In this project you will install both the file services and print services roles using the Server Manager tool.

After installing these services and verifying that they are installed, you will then uninstall both services, again using the Server Manager.

This project is designed only to have you gain some familiarity with installing and uninstalling services, we'll look in more detail at configuring installed services in another project.

Step 1 – Creating the Virtual Machine

The first step in this project is to create a virtual machine in the virtual environment that you've chosen to utilize for the course.

I'll be illustrating this project using VMware Player.

Create a virtual machine running Microsoft Server 2008 as the OS.

Name your server using the convention, YOUR FIRST NAME – Server 1. Make sure that all screen shots clearly show the server's name as illustrated in the following images.



Figure (Project 3-1) – Start Microsoft Server 2008 and open the Server Manager. The Server Manager should load automatically, or if not it should appear in your Start menu on Sever 2008, but if isn't there, click Start, right-click Computer, then click Manager. **Be sure the server name is visible in all screen shots.**

Task 2 – Installing and Uninstalling Server Roles

In the next part of this project you will perform the system administration tasks of installing and uninstalling roles for your server. We'll stick with fairly simple role installation and removal for

this project, but you'll experience the procedure of this important task. These operations all begin from the main system administration tool known as the Server Manager.

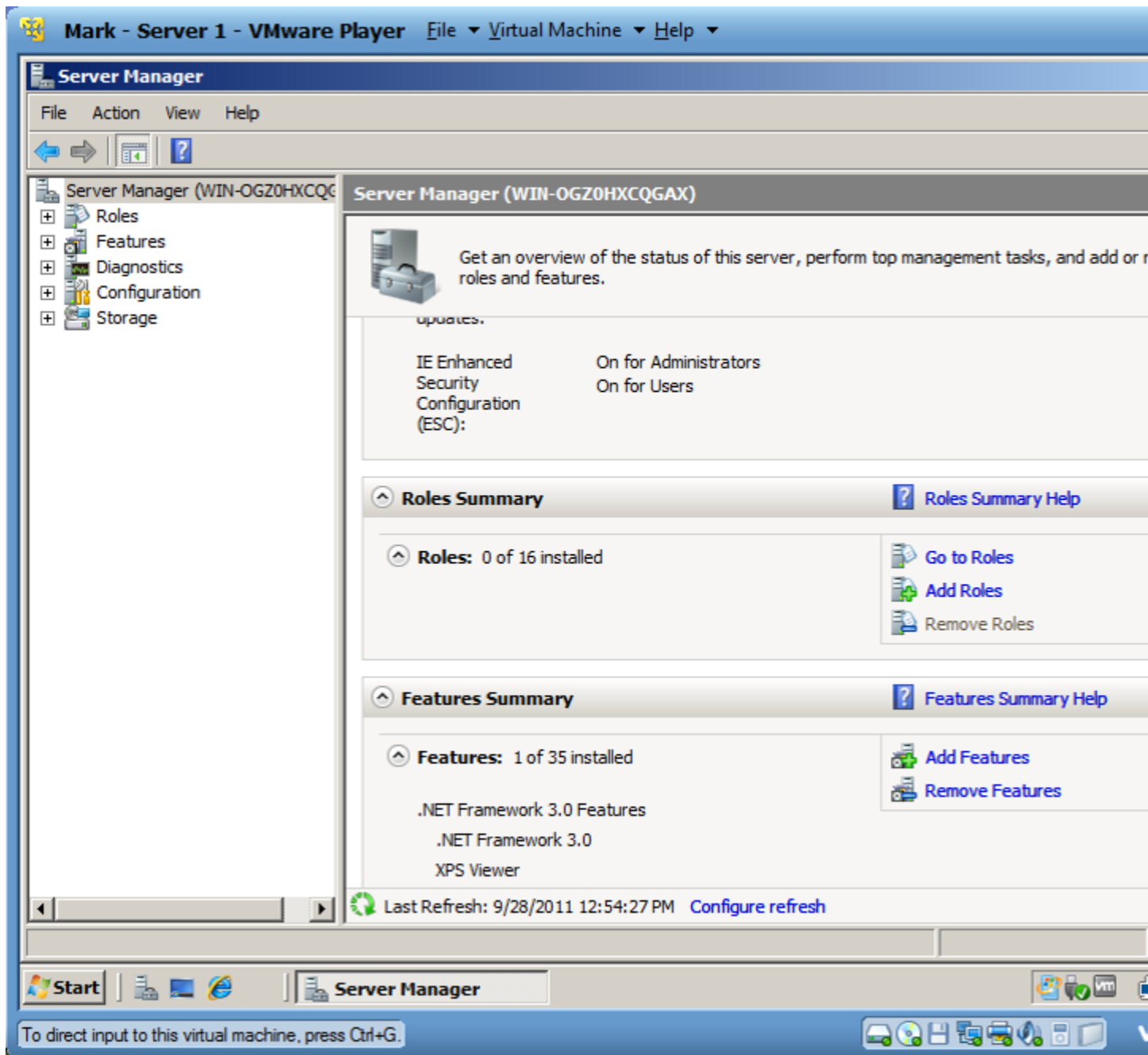


Figure (Project 3-2) – In the Server Manager tool, scroll down until you find the Roles Summary report. Note that there are currently no roles installed on this server.

Deliverable 1: – Do a screen capture of the screen shown in Figure (Project 3-2) on your machine. Label this screen capture: “1: Initial Configuration”

Next, click “Add Roles” in the Roles Summary area. The Add Roles Wizard will start and you will see the screen as shown in Figure (Project 3-3) below.

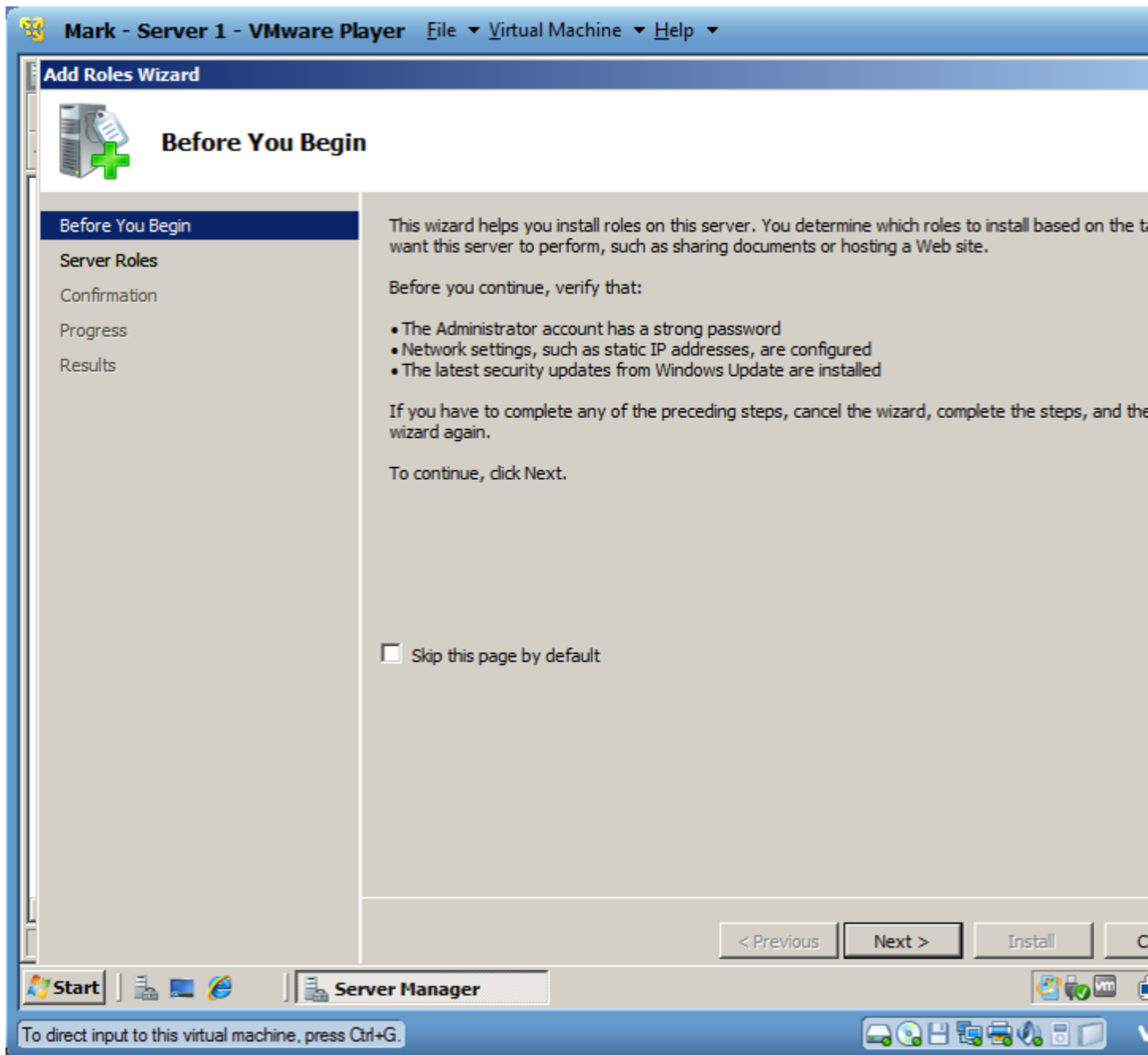


Figure (Project 3-3) – Many of the Microsoft wizards start with a “Before You Begin” page which provides an overview of the task you are about to undertake. Read this page before you click the “Next” button.

When you click the Next button as shown in Figure (Project 3-3) you will be taken to the next step which is to select the roles that you want to assign to this server. This is shown in Figure (Project 3-4) below.

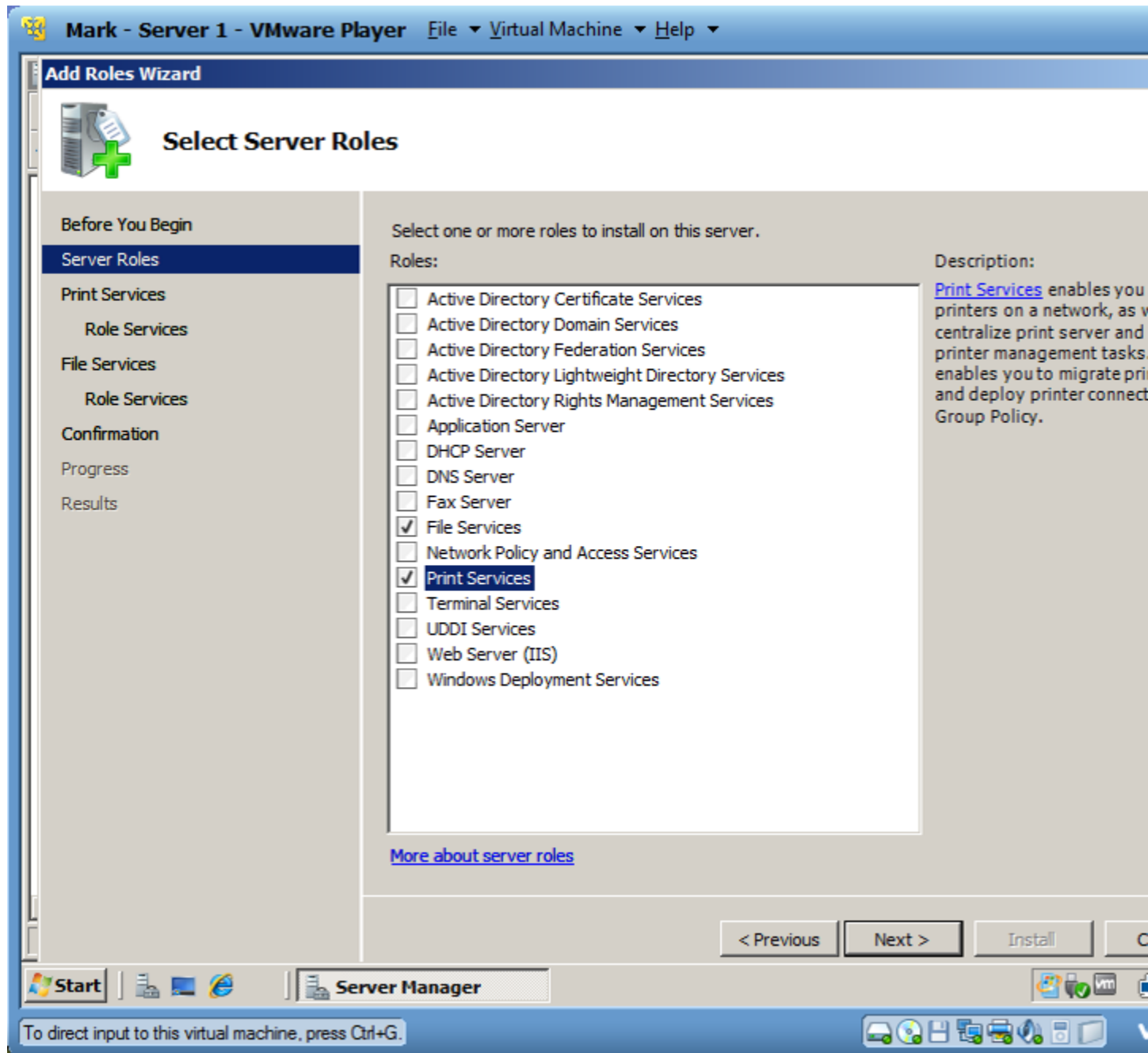


Figure (Project 3-4) – Check both the File Services and Print Services boxes. Then click “Next”.

After clicking the Next button from the screen shown in Figure (Project 3-4), you will see the screen as shown in Figure (Project 3-5) below. Be sure to read this page.

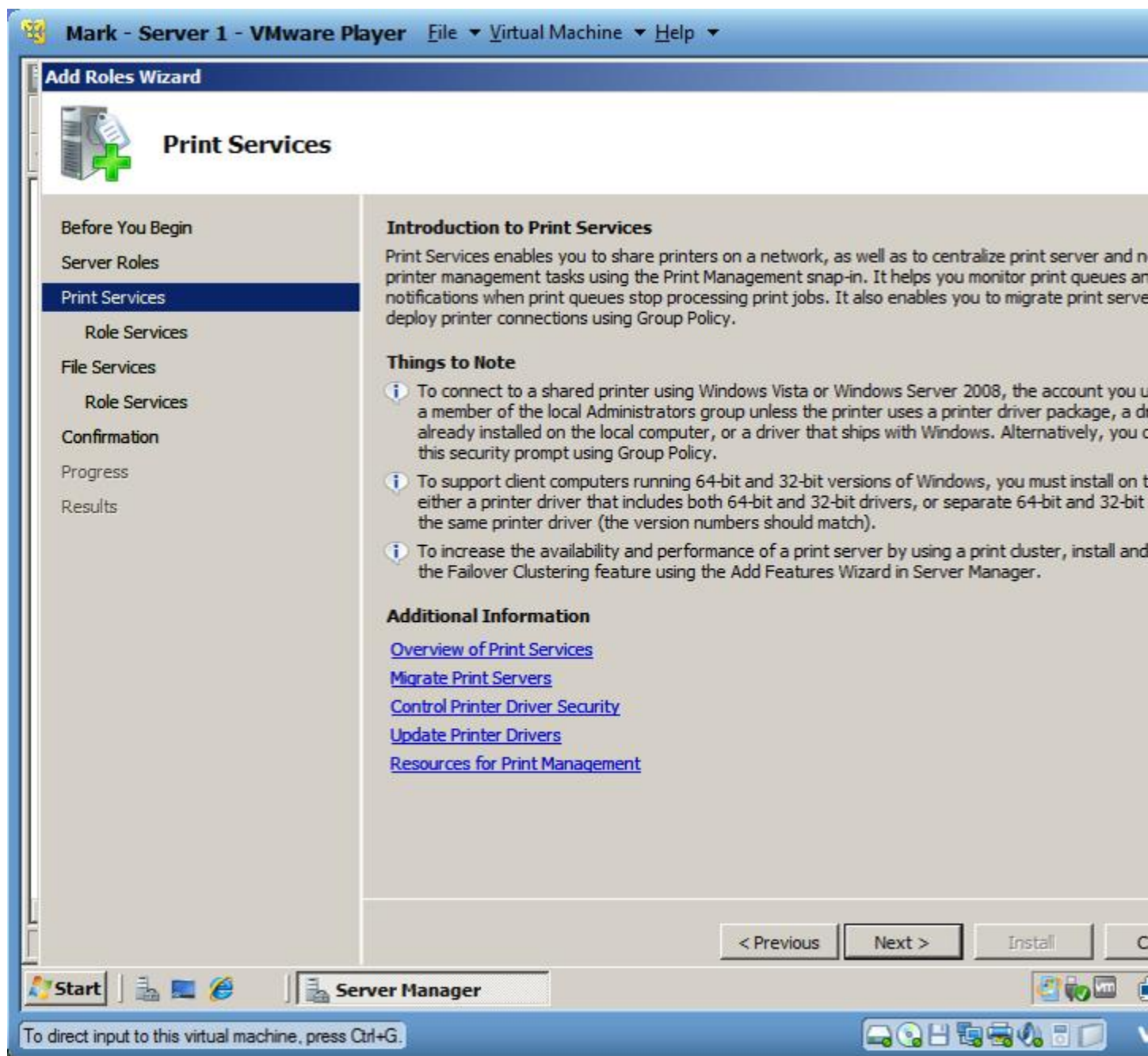


Figure (Project 3-5) – Additional information about Print Services.

Deliverable 2: Write a couple of sentences describing what the purpose of controlling printer driver security is all about. Label these sentences, 2: Purpose of Printer Driver Security.

After completing deliverable 2, click the Next button on the screen from Figure (Project 3-5) and you will be taken to a screen that looks like the one shown in Figure (Project 3-6) below.

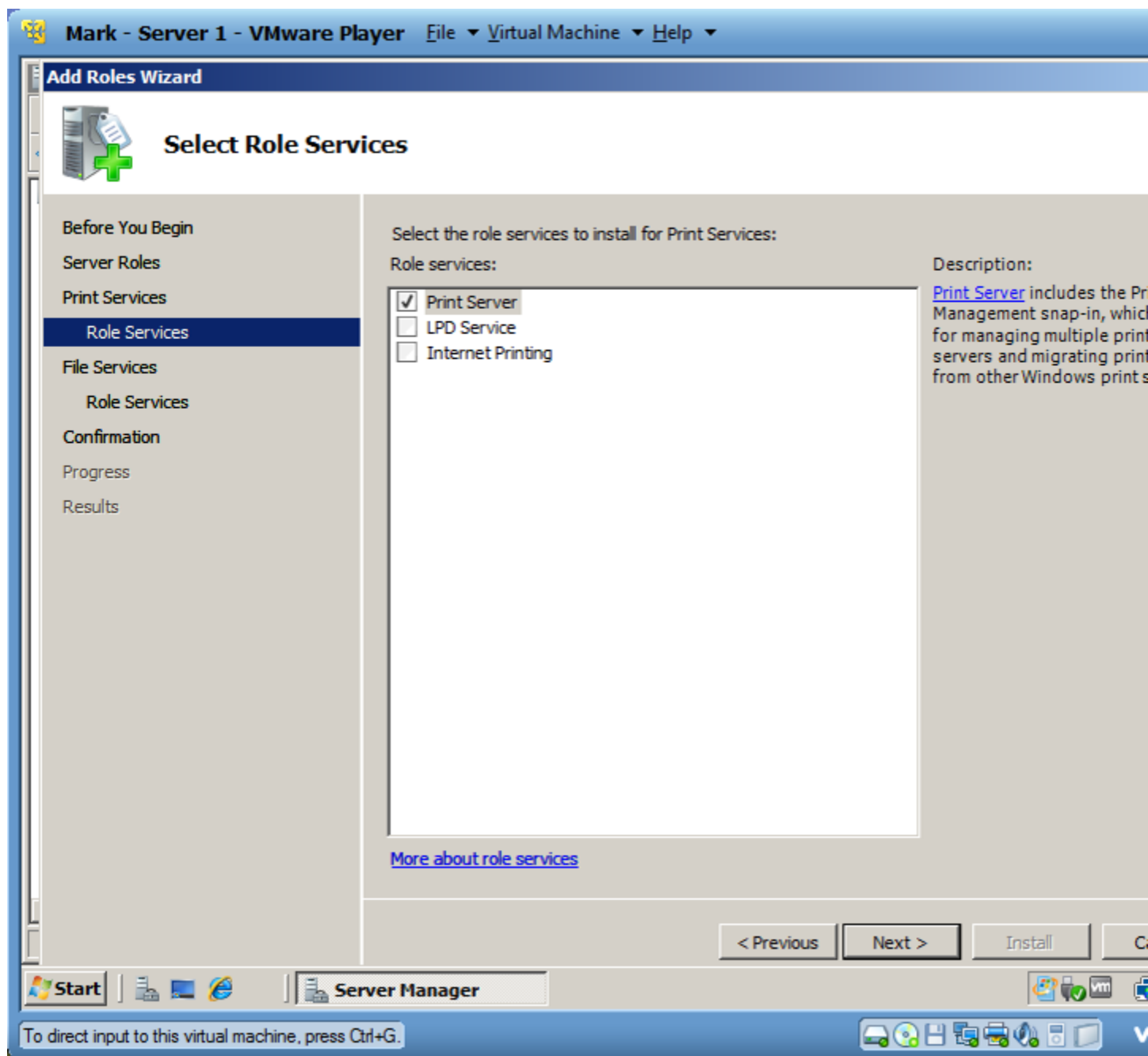


Figure (Project 3-6) – Leave the Print Server checked and then click Next.

After clicking the Next button on the screen shown in Figure (Project 3-6), you will be taken to a screen that describes the next role you selected, which is for the File Services. As before, read this page before clicking the “Next” button.

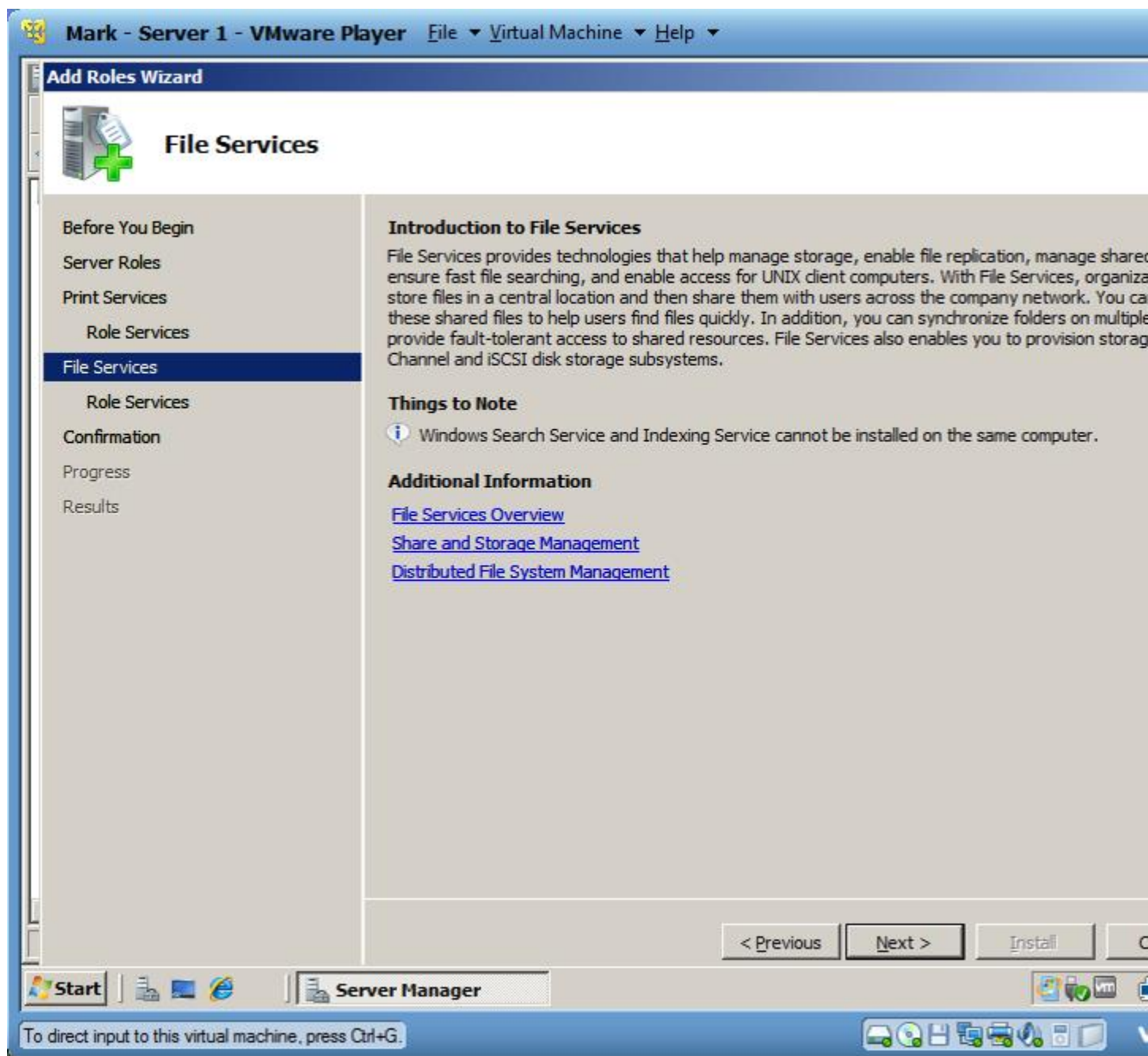


Figure (Project 3-7) – Introduction to File Services.

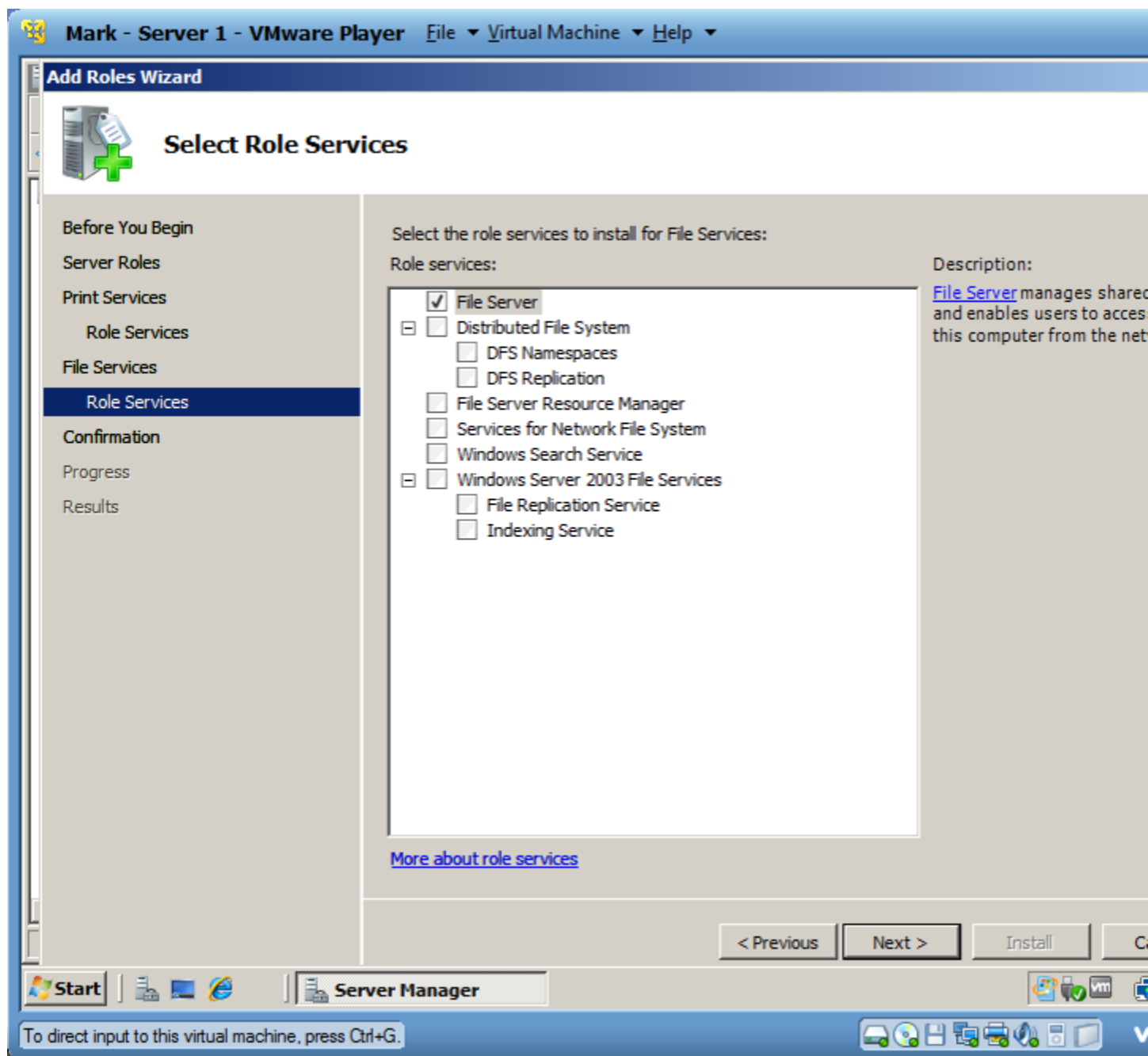


Figure (Project 3-8) – Leave Filer Server checked on this screen and click the “Next” button.

At this point you should see the screen as shown in Figure (Project 3-9) below. This screen is informing you of what roles you are about to install on your server. Read this page carefully, and then click “Install”.

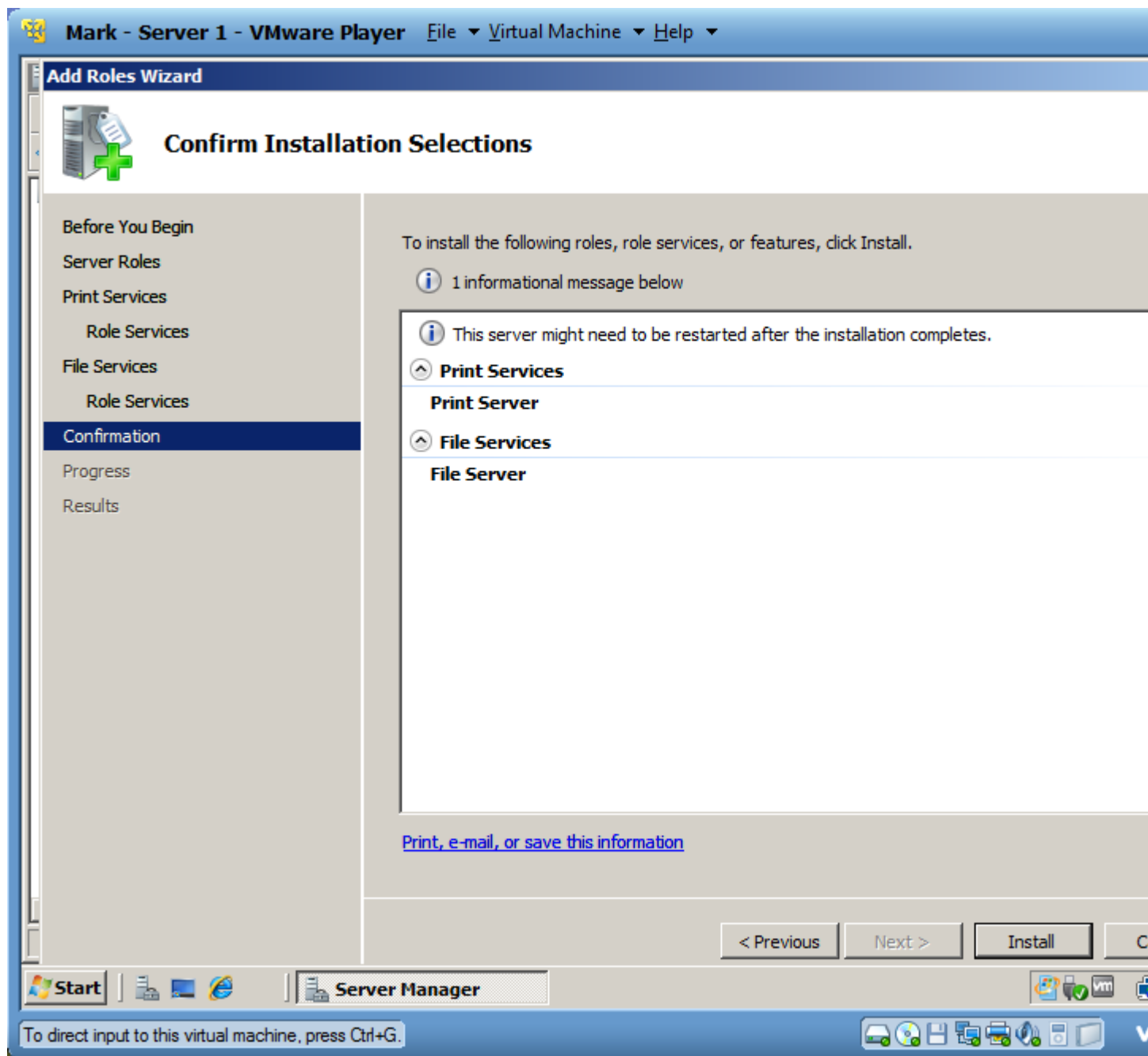


Figure (Project 3-9) – Ready to install the roles on the server. Click “Install”.

Deliverable 3 – When the installation finishes, do a screen capture of the Installation Results Page. Label this image as: “3 – Installation Results”. Indicate any warnings that were displayed on this page. Then click the “Close” button and return to the Manager window.

Returning to the Server Manager tool, do a screen capture that shows the Role Summary area with the two new roles now listed as being installed as shown in Figure (Project 3-10) below.

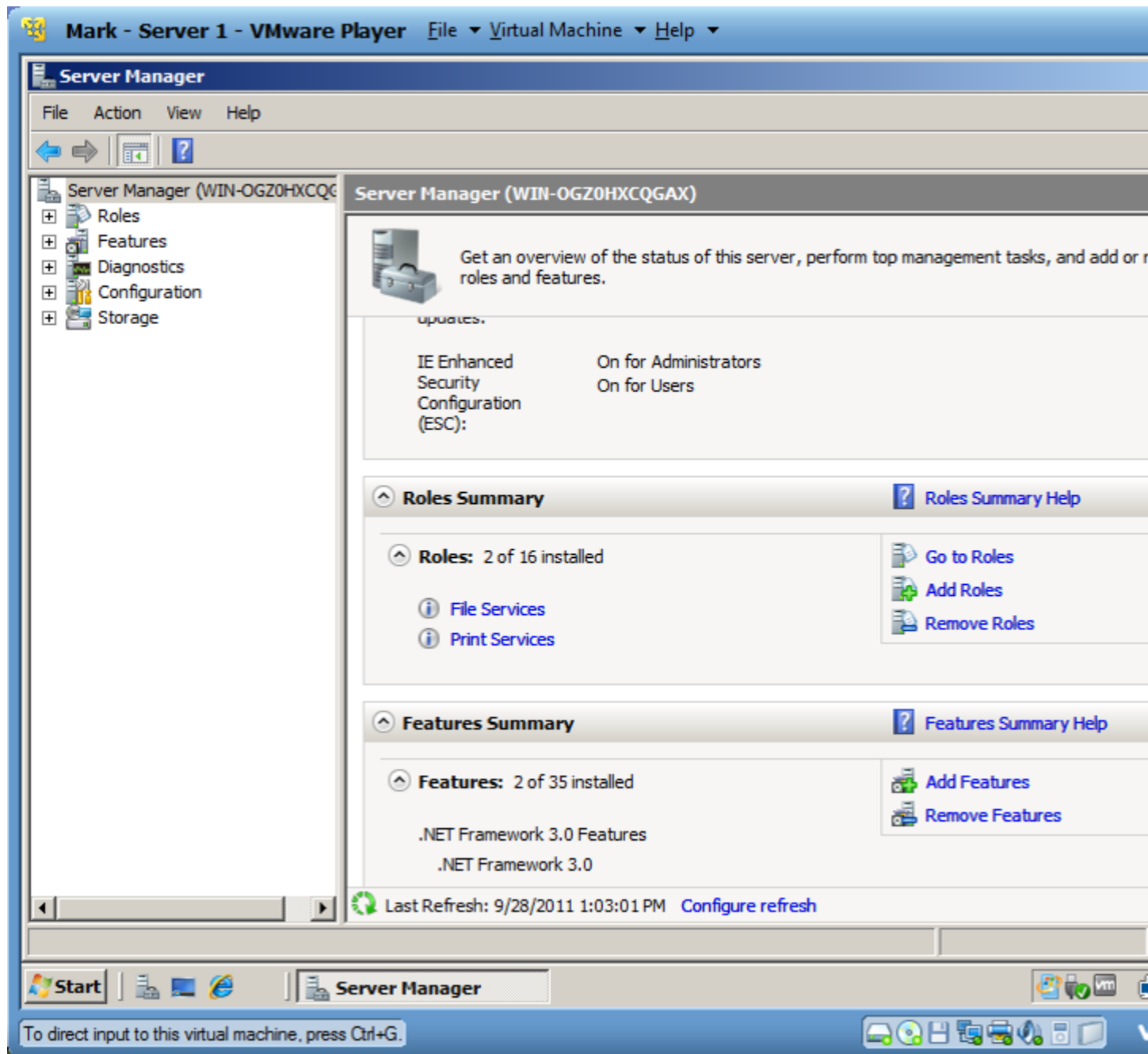


Figure (Project 3-10) – Server Manager roles summary illustrating two roles now assigned to your server.

Deliverable 4 – Do a screen capture of the Server Manager illustrating the new roles of your server as shown in Figure (Project 3-10) above. Label this screen shot as: “4: New Roles Summary”.

Congratulations! You've successfully performed a system administration function by adding roles to a server. Now, you will uninstall the roles that you just installed! From the Server Manager tool, in the Roles Summary area, click "Remove Roles" to begin. You will most likely see a "Before You Begin" screen again, read it, and then click the "Next" button.

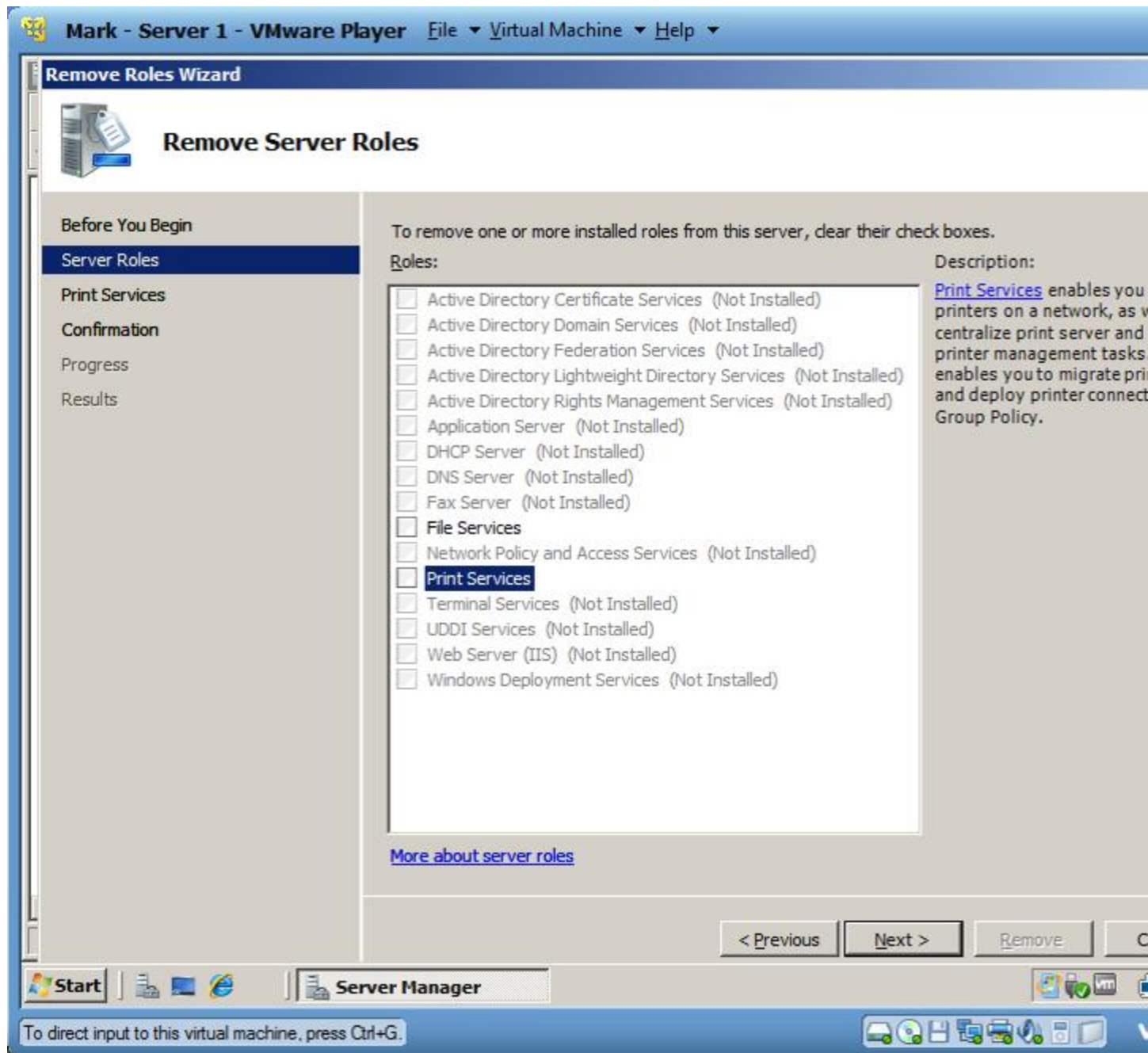


Figure (Project 3-11) – Uncheck both the File Services and Print Services boxes to begin uninstalling those roles from the server. Then click Next.

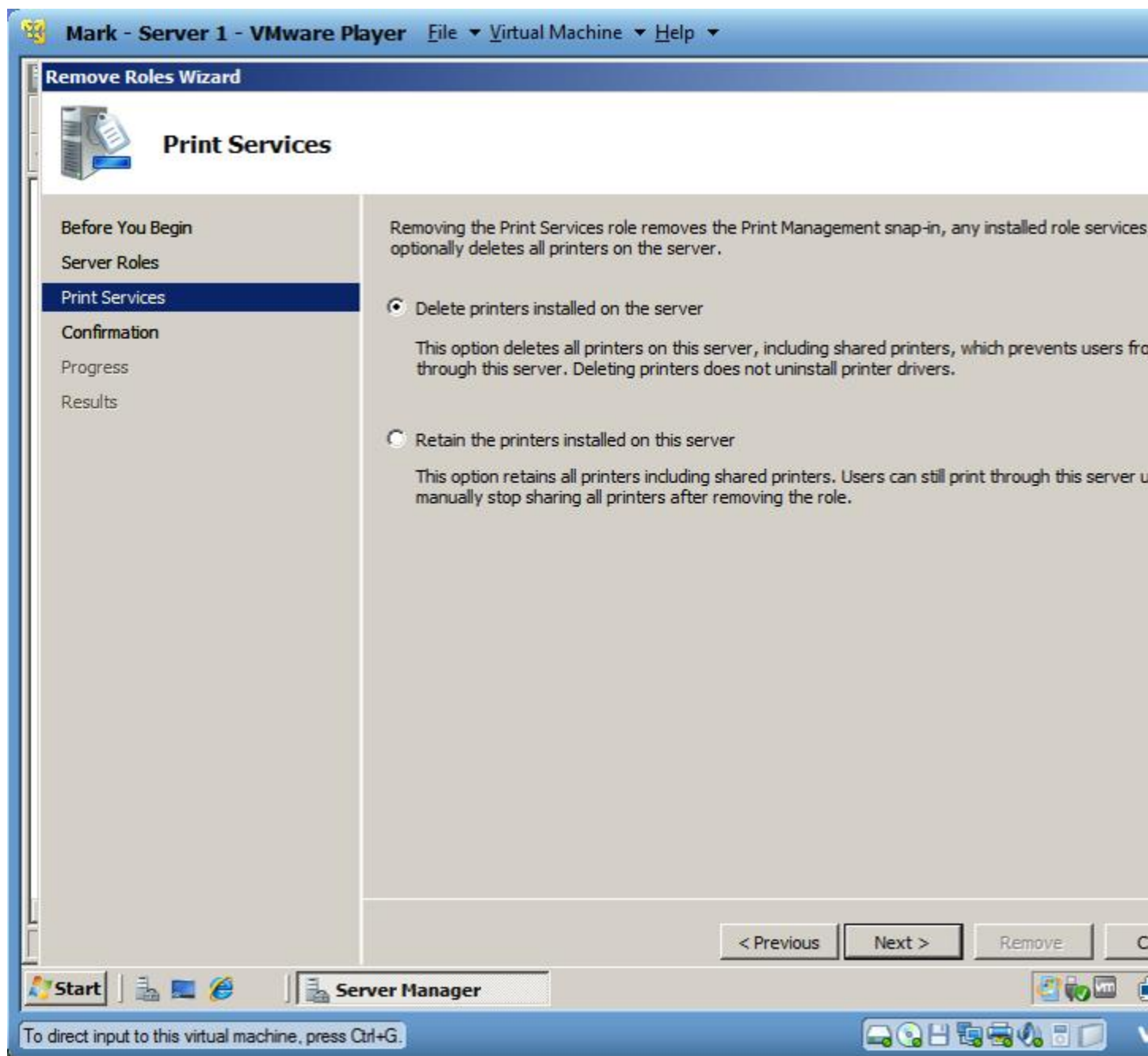


Figure (Project 3-12) – Leave the delete printers installed on the server option checked and click Next.

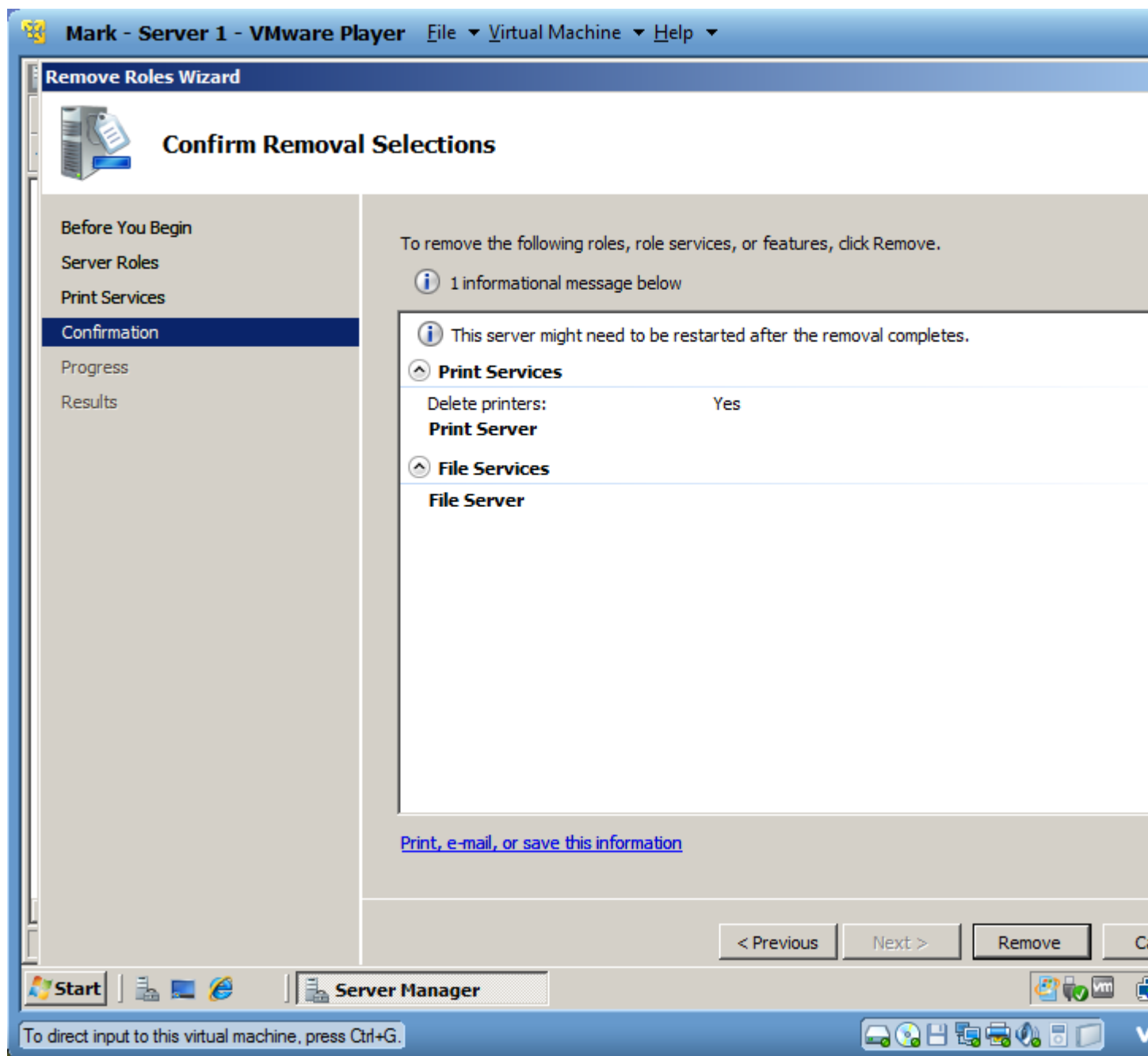


Figure (Project 3-13) – Both File Services and Print Services will now be removed from the server. Click the “Remove” button to start their removal.

Deliverable 5 – Do a screen capture of the Removal Results window that appears next after the services have been removed. Label this screen capture: “5: Removal Results”.

Return to the Server Manager tool and do a screen capture showing the Roles Summary area that shows the server now has 0 roles installed.

Deliverable 6 – Do a screen capture of the screen on your system which shows the server having no roles installed. Label this screen capture: “6: Final Role Status”.

Rubric

Grading rubric for Project Three			
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Criteria	Ratings		Pts
Provided the six required screenshots.	Full Marks 5 pts	No Marks 0 pts	5 pts
The six screenshots are properly labeled and show the server name clearly.	Full Marks 5 pts	No Marks 0 pts	5 pts
The six screenshots are illustrating the correct outcome from each step as required by the project description	Full Marks 25 pts	No Marks 0 pts	25 pts
Total Points: 35			