

CNT 4603: System Administration Spring 2011

Project One

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Project One: Overview

- **Title:** “Project One: Getting To Know Microsoft Server 2008 Server Manager”
- **Points:** 30 points
- **Due Date:** **Wednesday February 2nd by 11:55 pm**
(WebCourses time)

- **Objectives:** To gain familiarity with the Server Manager tool in Windows Server 2008, and to practice installing and removing server roles using this tool.



Project One: Overview

- In this project you will become more familiar with the Server Manager tool in Windows Server 2008.
- Windows Server 2008 can implement many different server roles (16 possibilities in the Standard 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 primary objective of this first project.



Project One: Overview

- 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.



Project One: Overview

- 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.



Project One: Overview

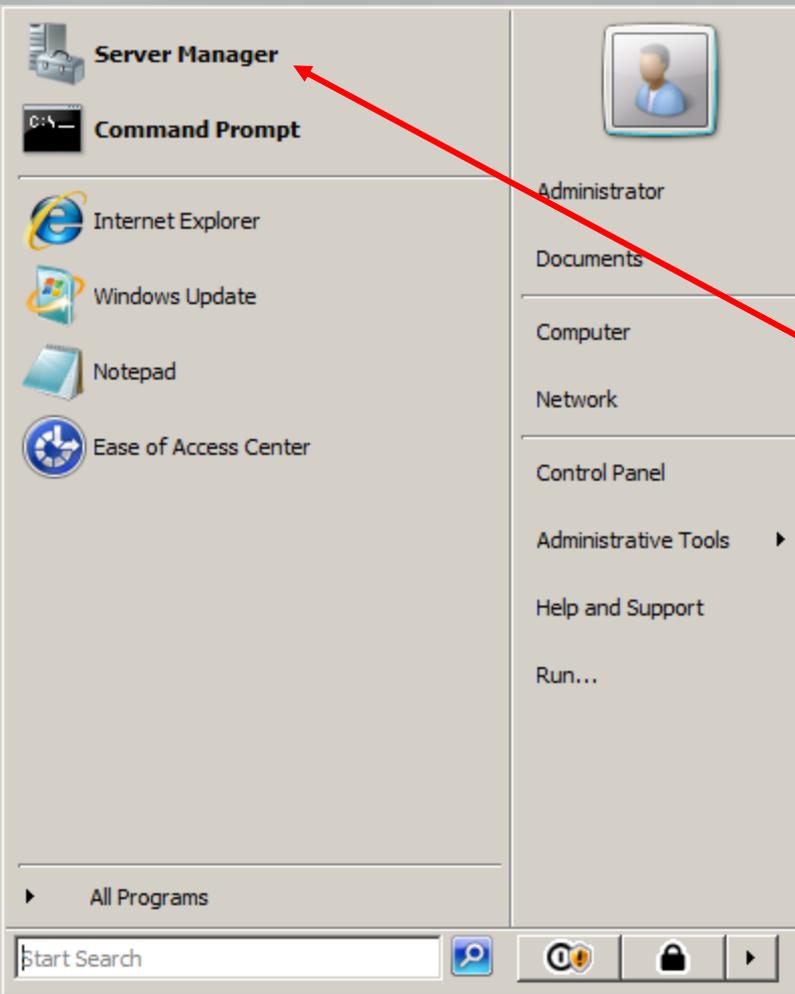
- In this project you will install both the file services and print services roles using the Server Manager tool.
- After installing these services and verifying that they are installed, you will then uninstall both services, again using the Server Manager.
- This project is designed only to have you gain some familiarity with installing and uninstalling services, we'll look in more detail at configuring installed services in another project.

The pages that follow explain the details of the project, stepping you through the actions of a system administration installing and uninstalling server roles. In the various callouts, the items that appear in **bold green** text require you to do screen captures and/or answer questions. These screen captures and answers will constitute your submission for this project.





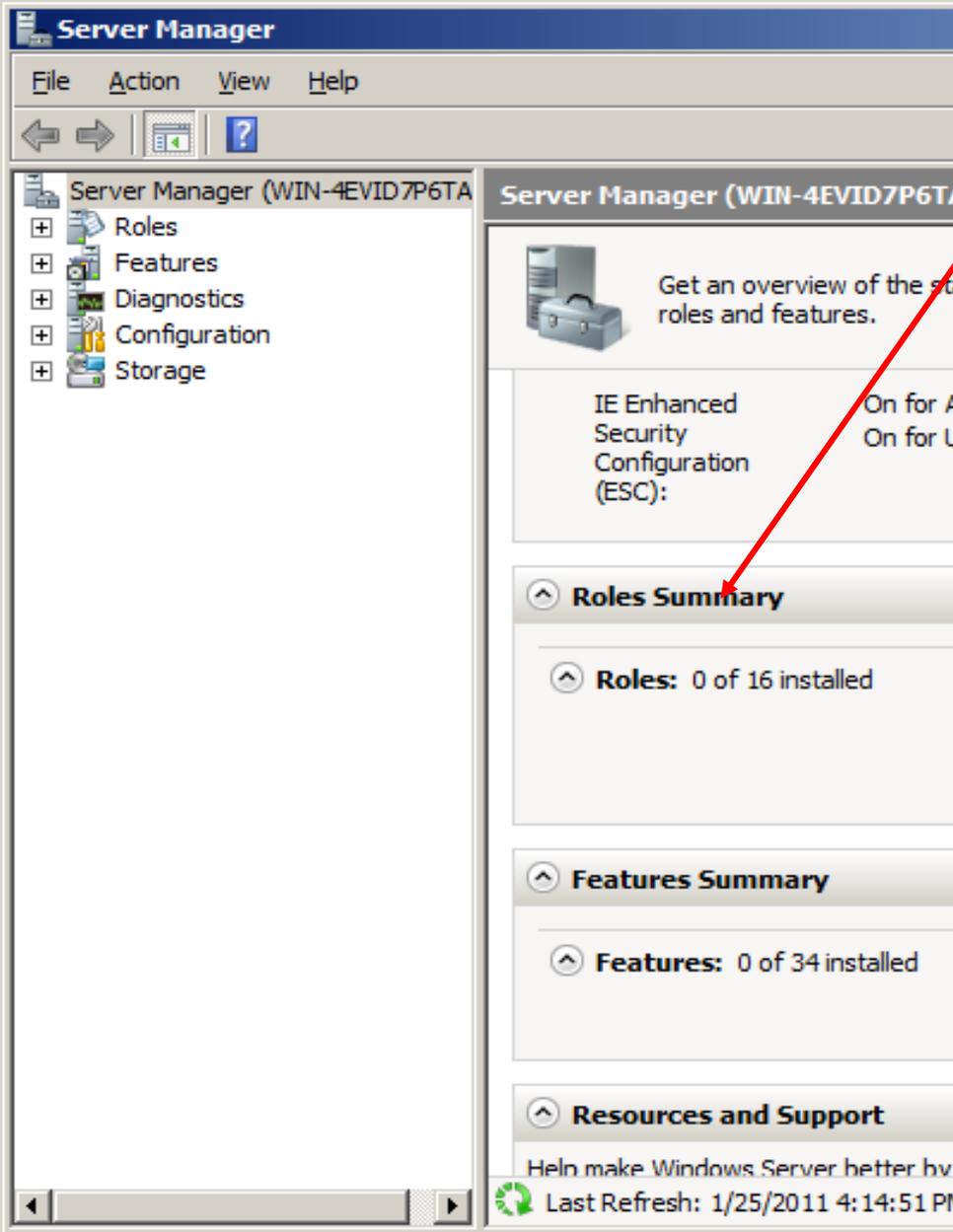
Recycle Bin



PROJECT ONE: DETAILS

1. Start Microsoft Server 2008 and open the Server Manager. The Server Manager should appear in your Start menu on Sever 2008, but if it isn't there, click Start, right-click Computer, then click Manager.





PROJECT ONE: DETAILS

2. Scroll down until you find the Roles Summary report in the Server Manager. Note that there are currently no roles installed.
3. Do a screen capture of this window – label it: **1: Initial Configuration**
4. Click “Add Roles”





Before You Begin

Before You Begin

Server Roles

Confirmation

Progress

Results

This wizard helps you install roles on this server. You determine which roles to install based on the tasks you want this server to perform, such as sharing documents or hosting a Web site.

Before you continue, verify that:

- The Administrator account has a strong password
- Network settings, such as static IP addresses, are configured
- The latest security updates from Windows Update are installed

If you have to complete any of the preceding steps, cancel the wizard, complete the steps, and then run the wizard again.

To continue, click Next.

Skip this page by default

PROJECT ONE: DETAILS

5. If you see this “Before You Begin” window after clicking “Add Roles” simply click “Next”.

< Previous

Next >

Install

Cancel





Select Server Roles

Before You Begin

Server Roles

Confirmation

Progress

Results

Select one or more roles to install on this server

Roles:

- Active Directory Certificate Services
- Active Directory Domain Services
- Active Directory Federation Services
- Active Directory Lightweight Directory Services
- Active Directory Rights Management Services
- Application Server
- DHCP Server
- DNS Server
- Fax Server
- File Services
- Network Policy and Access Services
- Print Services
- Terminal Services
- UDDI Services
- Web Server (IIS)
- Windows Deployment Services

[More about server roles](#)

PROJECT ONE: DETAILS

6. Check both the File Services and Print Services boxes. Then click "Next".

authorities and related role services that allow you to issue and manage certificates used in a variety of applications.

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Next >

Install

Cancel





Print Services

Before You Begin

Server Roles

Print Services

Role Services

File Services

Role Services

Confirmation

Progress

Results

Introduction to Print Services

Print Services enables you to share printers on a network, perform printer management tasks using the Print Management console, receive notifications when print queues stop processing, and you can also deploy printer connections using Group Policy.

Things to Note

 To connect to a shared printer using Windows, you must be a member of the local Administrators group on the local computer, or you must have this security prompt using Group Policy.

 To support client computers running 64-bit operating systems, you must install either a printer driver that includes both 64-bit and 32-bit versions or the same printer driver (the version number must be the same).

 To increase the availability and performance of a print server by using a print cluster, install and configure the Failover Clustering feature using the Add Features Wizard in Server Manager.

Additional Information

[Overview of Print Services](#)

[Migrate Print Servers](#)

[Control Printer Driver Security](#)

[Update Printer Drivers](#)

[Resources for Print Management](#)

PROJECT ONE: DETAILS

7. Be sure to read this page.
8. Look at Control Printer Driver Security under Additional Information and do the following:
9. 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.
10. Click Next.

< Previous

Next >

Install

Cancel





Select Role Services

Before You Begin

Server Roles

Print Services

Role Services

File Services

Role Services

Confirmation

Progress

Results

Select the role services to install for Print Services:

Role services:

- Print Server
- LPD Service
- Internet Printing

PROJECT ONE: DETAILS

11. Leave Print Server checked at this point and click Next.

[More about role services](#)

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Next >

Install

Cancel





File Services

Before You Begin

Server Roles

Print Services

Role Services

File Services

Role Services

Confirmation

Progress

Results

Introduction to File Services

File Services provides technologies that help manage storage, enable file replication, manage shared folders, ensure fast file searching, and enable access for UNIX client computers. With File Services, organizations can store files in a central location and then share them with users across the company network. You can index these shared files to help users find files quickly. In addition, you can synchronize folders on multiple servers to provide fault-tolerant access to shared resources. File Services also enables you to provision storage on Fibre Channel and iSCSI disk storage subsystems.

Things to Note

 Windows Search Service and Indexing Service cannot be installed on the same computer.

Additional Information

[File Services Overview](#)

[Share and Storage Management](#)

[Distributed File System Management](#)

PROJECT ONE: DETAILS

12. Read the Introduction To Files Services and the Things To Note sections. Click Next

< Previous

Next >

Install

Cancel





Select Role Services

Before You Begin

Server Roles

Print Services

Role Services

File Services

Role Services

Confirmation

Progress

Results

Select the role services to install for File Services:

Role services:

- File Server
- Distributed File System
 - DFS Namespaces
 - DFS Replication
- File Server Resource Manager
- Services for Network File System
- Windows Search Service
- Windows Server 2003 File Services
 - File Replication Service
 - Indexing Service

Description:

[File Server](#) manages shared folders and enables users to access files on this computer from the network.

PROJECT ONE: DETAILS

13. Leave File Server checked by default and click Next.

[More about role services](#)

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Next >

Install

Cancel





Confirm Installation Selections

Before You Begin

Server Roles

Print Services

Role Services

File Services

Role Services

Confirmation

Progress

Results

To install the following roles, role services

1 informational message below

This server might need to be rest

Print Services

Print Server

File Services

File Server

PROJECT ONE: DETAILS

- Note the services that are now going to be installed and read any informational messages that might pertain, then click Install.
- Wait while the services are installed. This will take a few seconds.
- Do a screen capture of the Installation Results page. Label it: 3 – Installation Results. Indicate any warnings that were displayed on this page.**
- Click Close to return to the Server Manager window.

[Print, e-mail, or save this information](#)

< Previous

Next >

Install

Cancel



Server Manager (WIN-4EVID7P6TAF)

File Action View Help

Server Manager (WIN-4EVID7P6TAF)

Get an overview of the status of roles and features.

IE Enhanced Security Configuration (ESC): On for Administrators On for Users

Roles Summary

Roles: 2 of 16 installed

- File Services
- Print Services

Features Summary

Features: 1 of 34 installed

- Remote Server Administration Tools
- Role Administration Tools
- Print Services Tools

Last Refresh: 1/25/2011 4:22:58 PM [Configure refresh](#)

PROJECT ONE: DETAILS

- Do a screen capture of the server Manager window which shows the Roles Summary with the 2 new roles successfully installed. Label it: 4 – New Roles Summary.
- Congratulations! You’ve successfully performed a system admin function of adding roles to a server environment.
- Now Click Remove Roles from this window. You’ll probably again see the “Before You Begin” window, just click Next.



Remove Roles Wizard



Remove Server Roles

Before You Begin

Server Roles

Confirmation

Progress

Results

To remove one or more installed roles

Roles:

- Active Directory Certificate Services
- Active Directory Domain Services
- Active Directory Federation Services
- Active Directory Lightweight Directory Services
- Active Directory Rights Management Services (Not Installed)
- Application Server (Not Installed)
- DHCP Server (Not Installed)
- DNS Server (Not Installed)
- Fax Server (Not Installed)
- File Services**
- Network Policy and Access Services (Not Installed)
- Print Services**
- Terminal Services (Not Installed)
- UDDI Services (Not Installed)
- Web Server (IIS) (Not Installed)
- Windows Deployment Services (Not Installed)

PROJECT ONE: DETAILS

21. Remove the checks from both File Services and Print Services, then click Next.

[More about server roles](#)

< Previous Next > Remove Cancel



Remove Roles Wizard



Print Services

- Before You Begin
- Server Roles
- Print Services**
- Confirmation
- Progress
- Results

Removing the Print Services role removes the Print Management snap-in, any installed role services, and optionally deletes all printers on the server.

Ddelete printers installed on the server

This option deletes all printers on this server, including shared printers, which prevents users from printing through this server. Deleting printers does not uninstall printer drivers.

Retain the printers installed on this server

This option retains all printers including shared printers. Users can still print through this server unless you manually stop sharing all printers after removing the role.

PROJECT ONE: DETAILS

22. Leave the delete printers installed on the server selected and click Next.

< Previous

Next >

Remove

Cancel



Server Manager

11:22 AM



Remove Roles Wizard



Confirm Removal Selections

Before You Begin

Server Roles

Print Services

Confirmation

Progress

Results

To remove the following roles, role

1 informational message below

This server might need to be

Print Services

Delete printers:

Print Server
File Services

File Server

[Print, e-mail, or save this information](#)

PROJECT ONE: DETAILS

23. Both Print Services and File Services will now be removed from the server. Click Remove.
24. Do a screen capture of the Removal Results window that appears next after the services have been removed. Label it: 5 – Removal Results.
25. Click Close after doing the screen capture.
26. Do a final screen capture of the Server Manager window that shows the Roles Summary which should now have 0 of 16 installed roles showing. Label it: 6 – Final Status.

< Previous

Next >

Remove

Cancel

Start

Server Manager

11:24 AM

