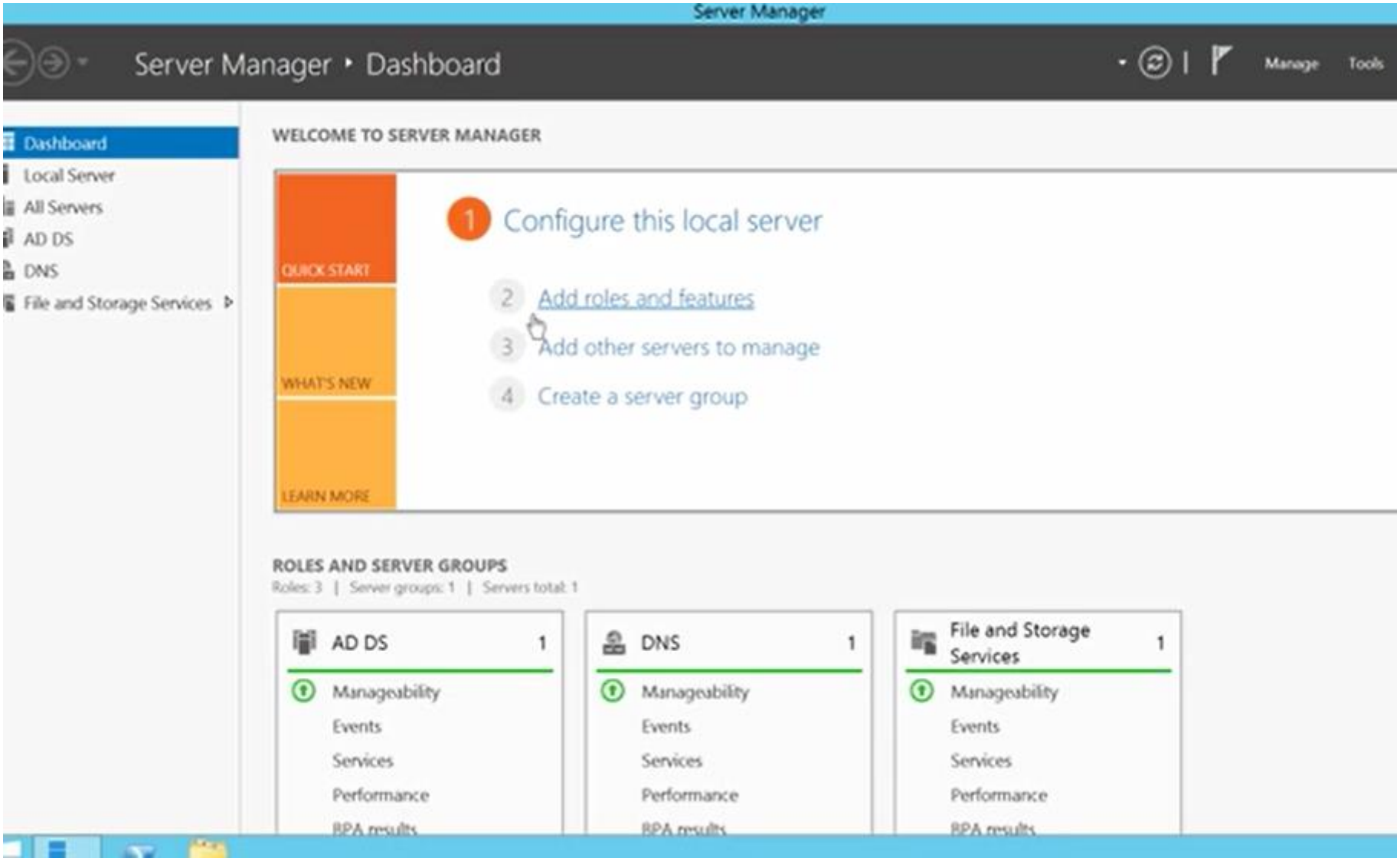
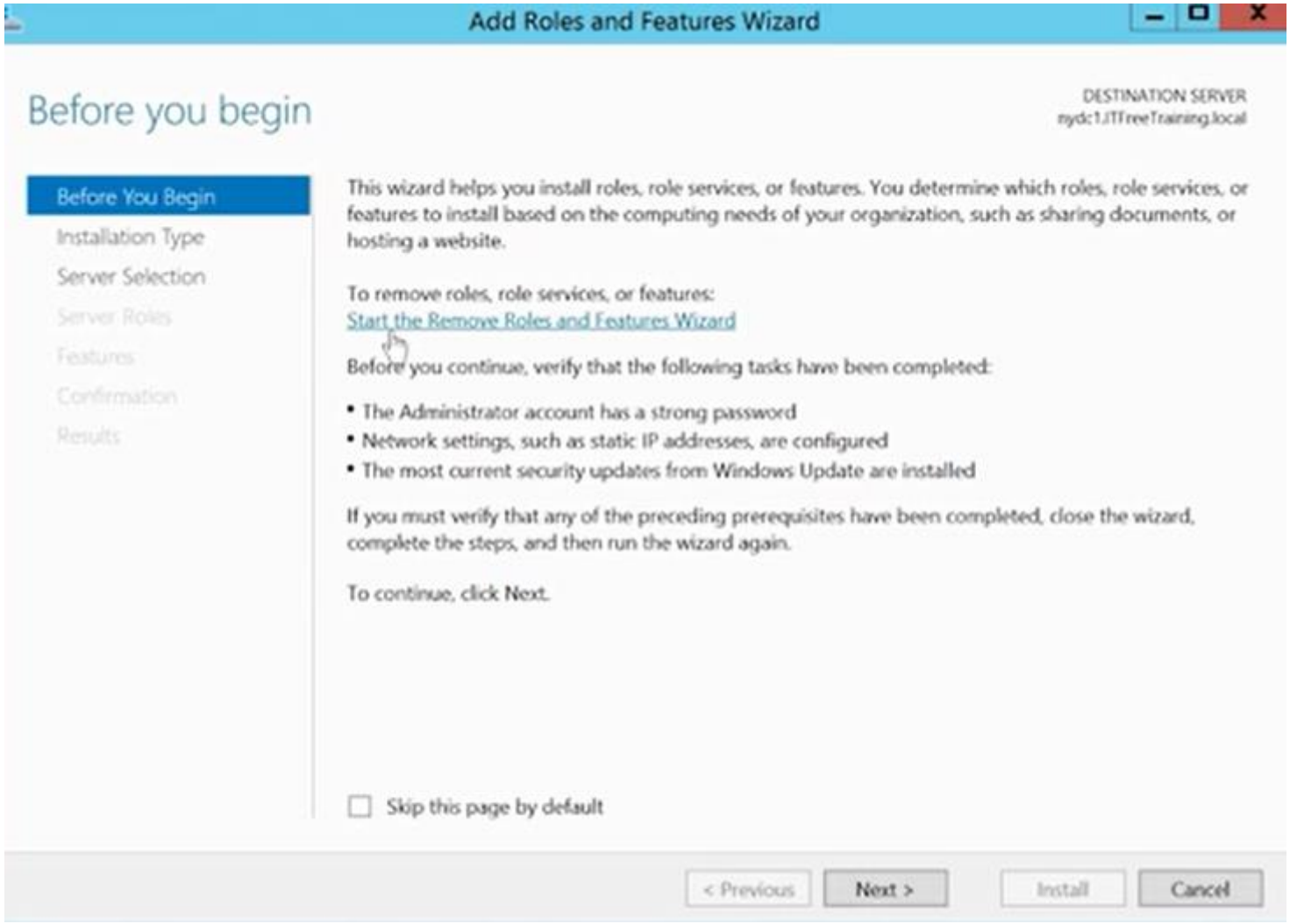
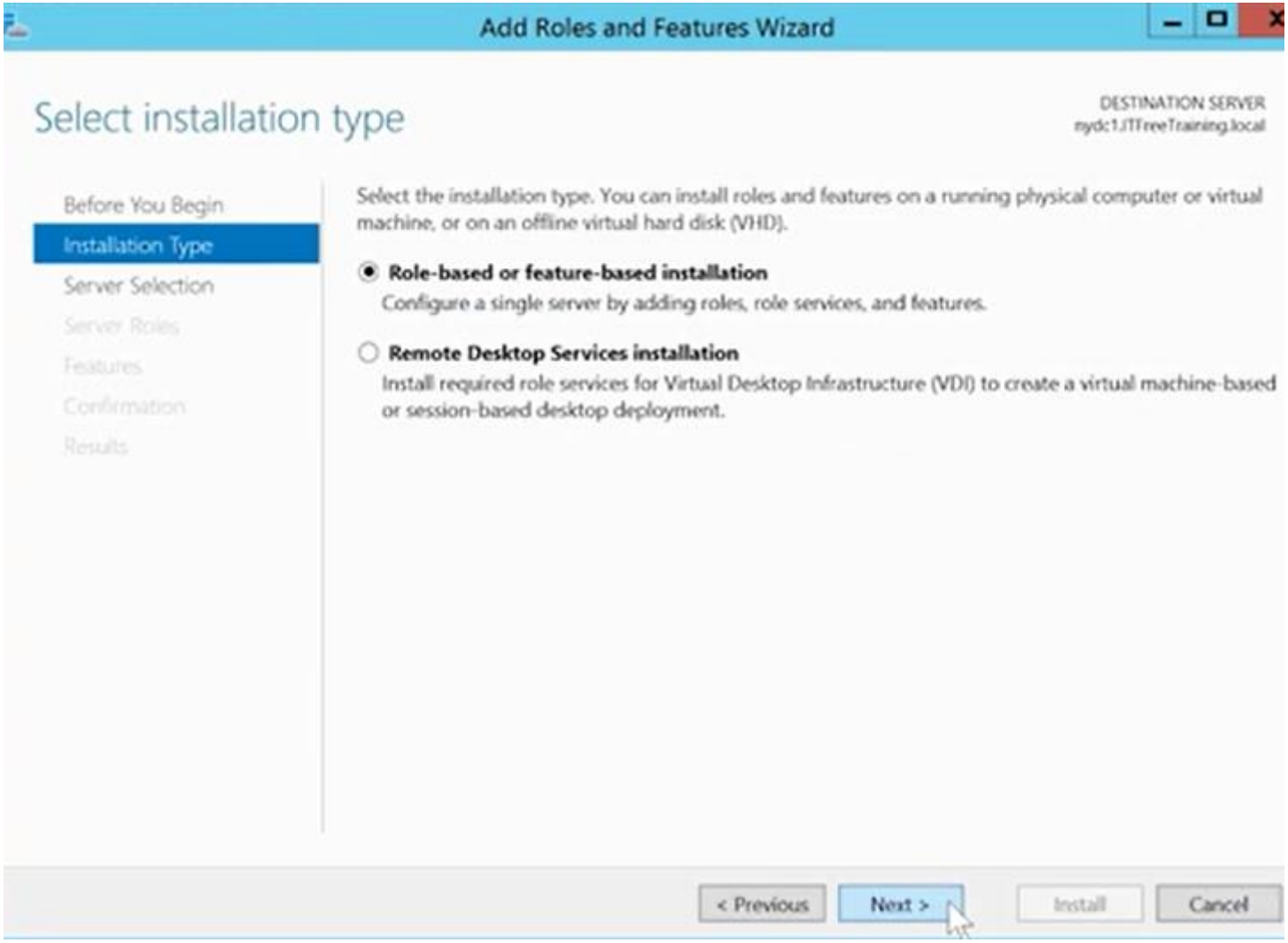
Windows Server Migration Tools

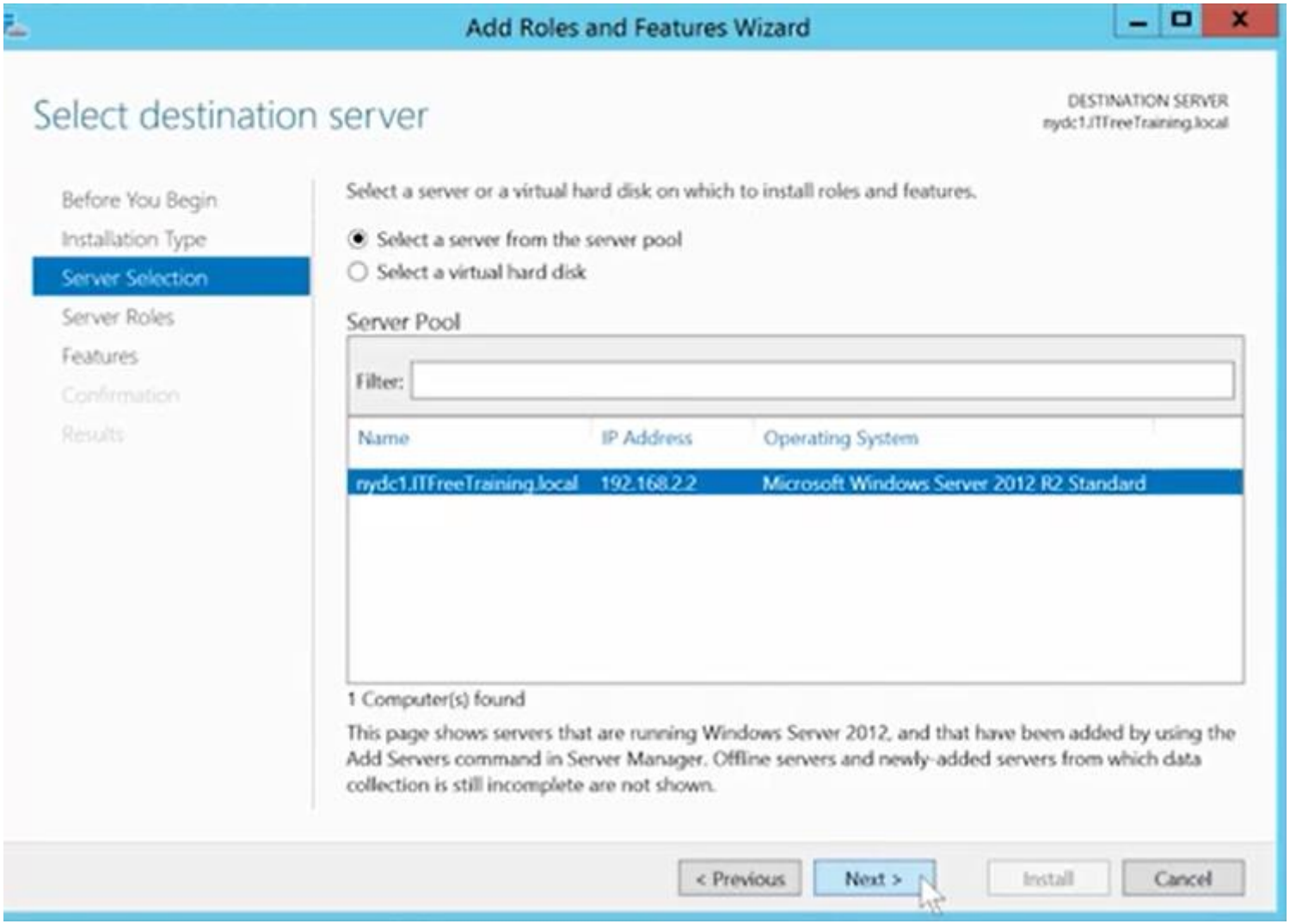
Migration

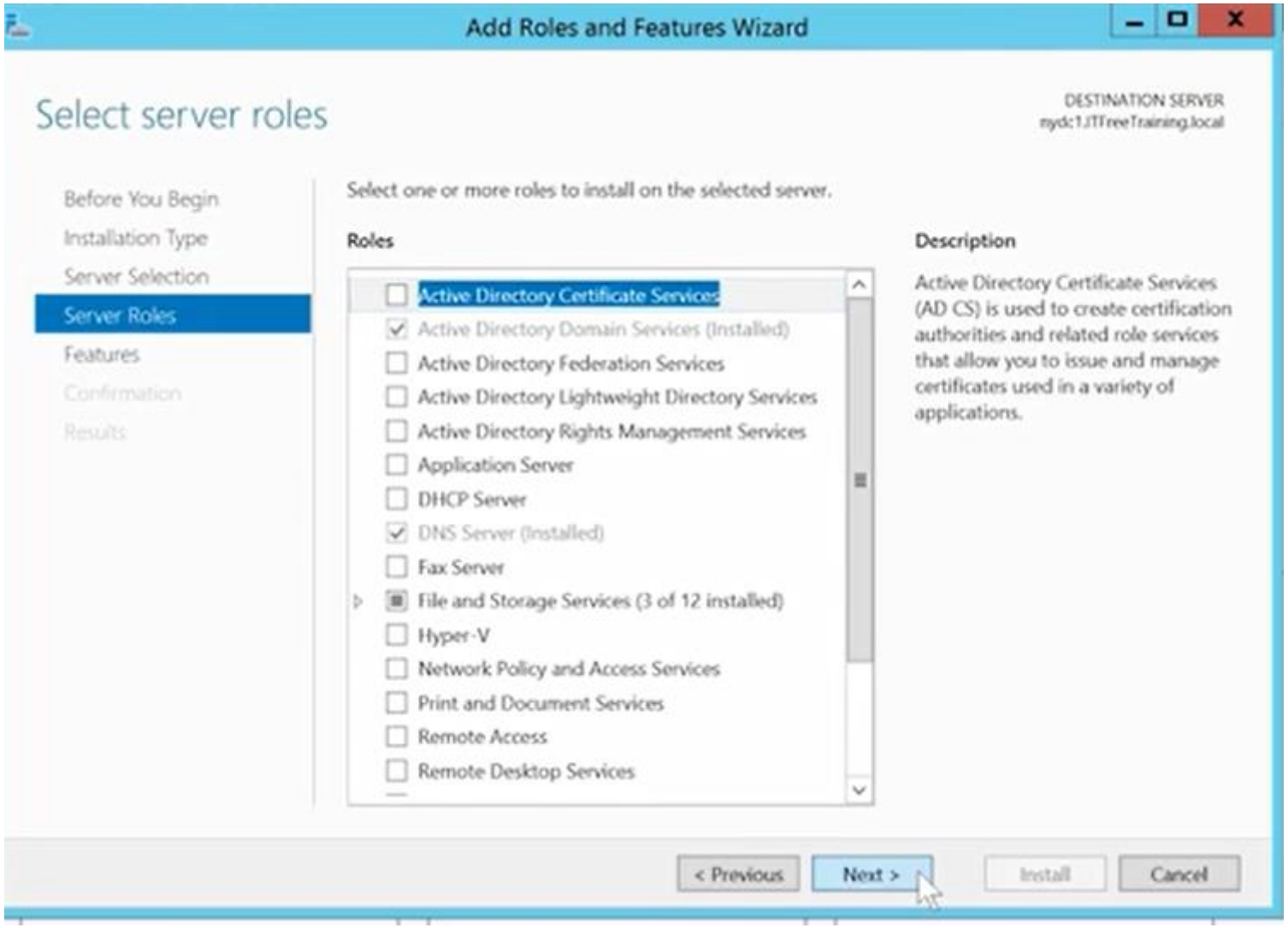
- Migrate roles, features, shares, OS settings
- Allow migrations between different architecture
- Between editions

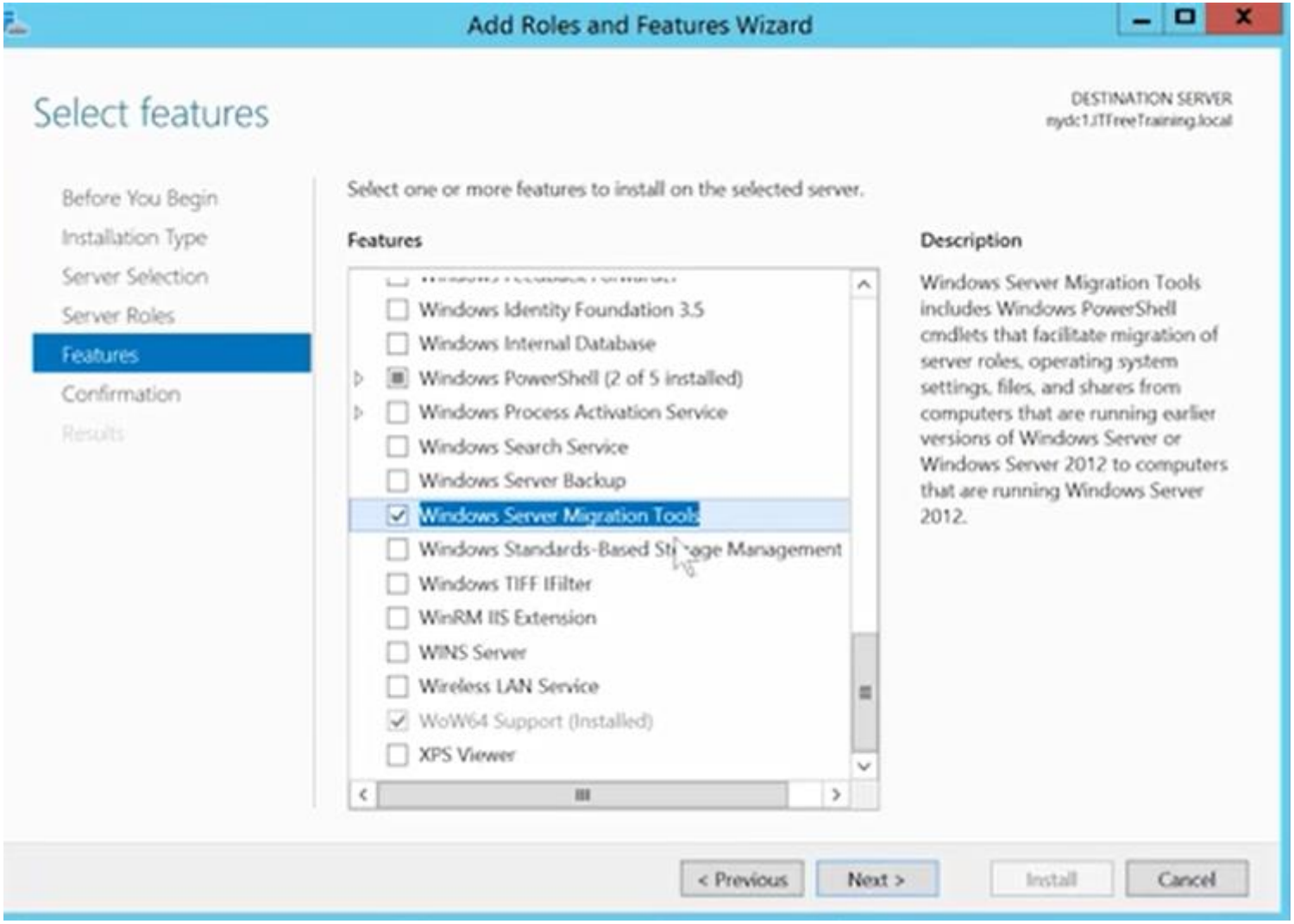

Server Manager
Server Manager ▸ Dashboard
Manage
Tools
Dashboard
Local Server
All Servers
AD DS
DNS
File and Storage Services
WELCOME TO SERVER MANAGER
QUICK START
WHAT'S NEW
LEARN MORE
1 Configure this local server
2 Add roles and features
3 Add other servers to manage
4 Create a server group
ROLES AND SERVER GROUPS
Roles: 3 | Server groups: 1 | Servers total: 1
AD DS 1
Manageability
Events
Services
Performance
BPA results
DNS 1
Manageability
Events
Services
Performance
BPA results
File and Storage Services 1
Manageability
Events
Services
Performance
BPA results

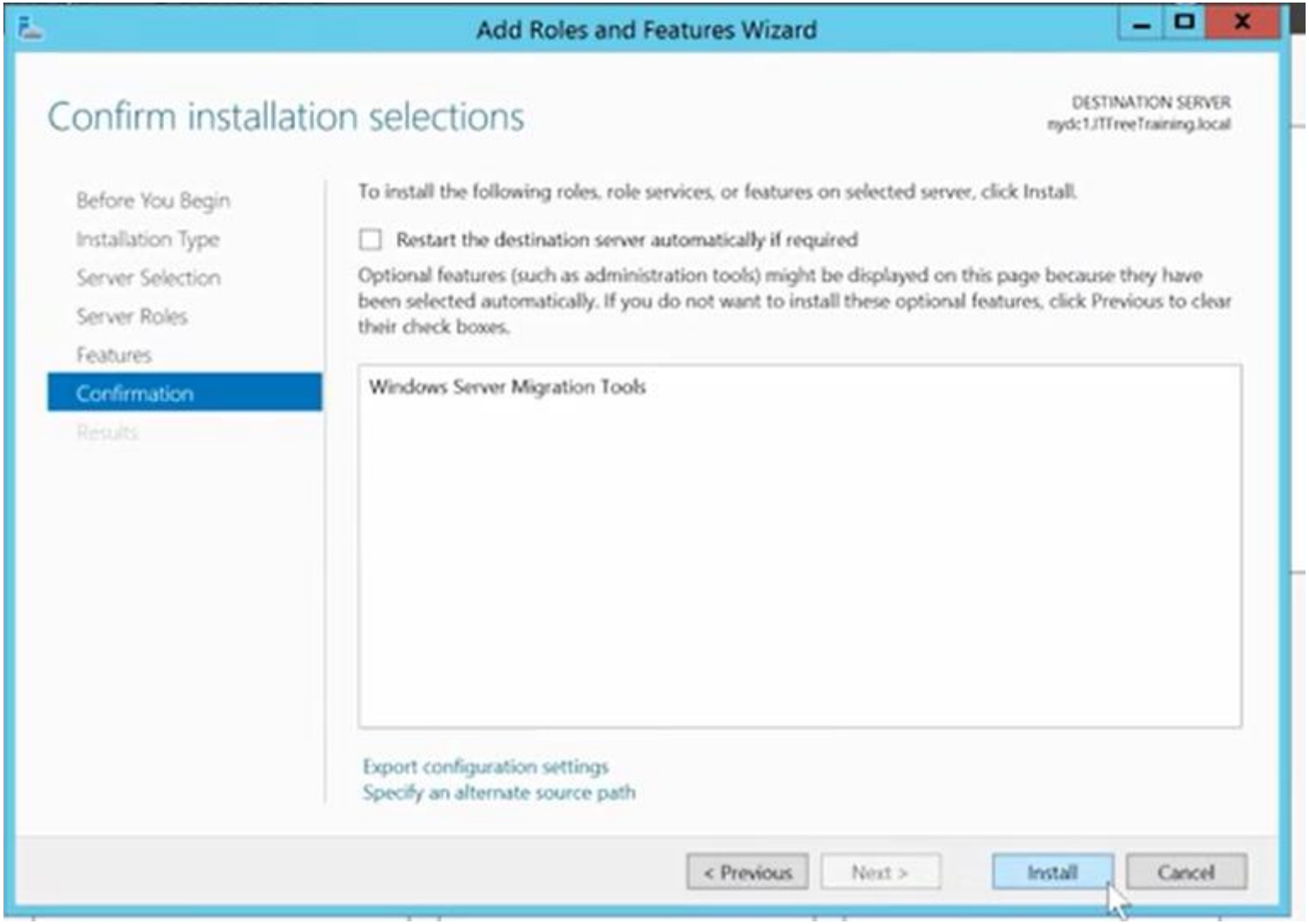

Add Roles and Features Wizard
Before you begin
DESTINATION SERVER
nydc1.JTFreeTraining.local
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
This wizard helps you install roles, role services, or features. You determine which roles, role services, or features to install based on the computing needs of your organization, such as sharing documents, or hosting a website.
To remove roles, role services, or features:
Start the Remove Roles and Features Wizard
Before you continue, verify that the following tasks have been completed:
• The Administrator account has a strong password
• Network settings, such as static IP addresses, are configured
• The most current security updates from Windows Update are installed
If you must verify that any of the preceding prerequisites have been completed, close the wizard, complete the steps, and then run the wizard again.
To continue, click Next.
Skip this page by default
< Previous
Next >
Install
Cancel

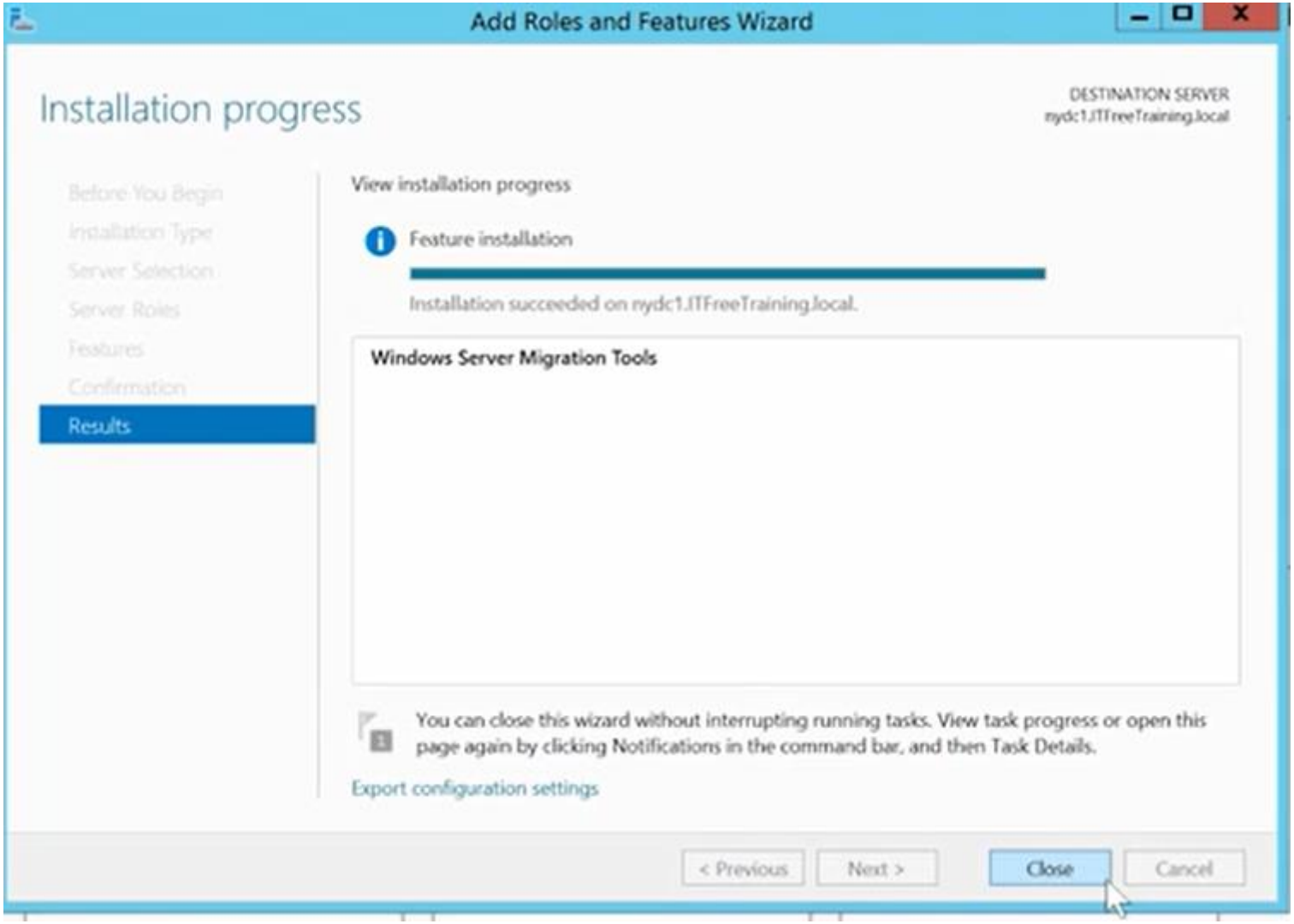

Add Roles and Features Wizard
Select installation type
DESTINATION SERVER
nydc1.JTFreeTraining.local
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
Select the installation type. You can install roles and features on a running physical computer or virtual machine, or on an offline virtual hard disk (VHD).
Role-based or feature-based installation
Configure a single server by adding roles, role services, and features.
Remote Desktop Services installation
Install required role services for Virtual Desktop Infrastructure (VDI) to create a virtual machine-based or session-based desktop deployment.
< Previous
Next >
Install
Cancel

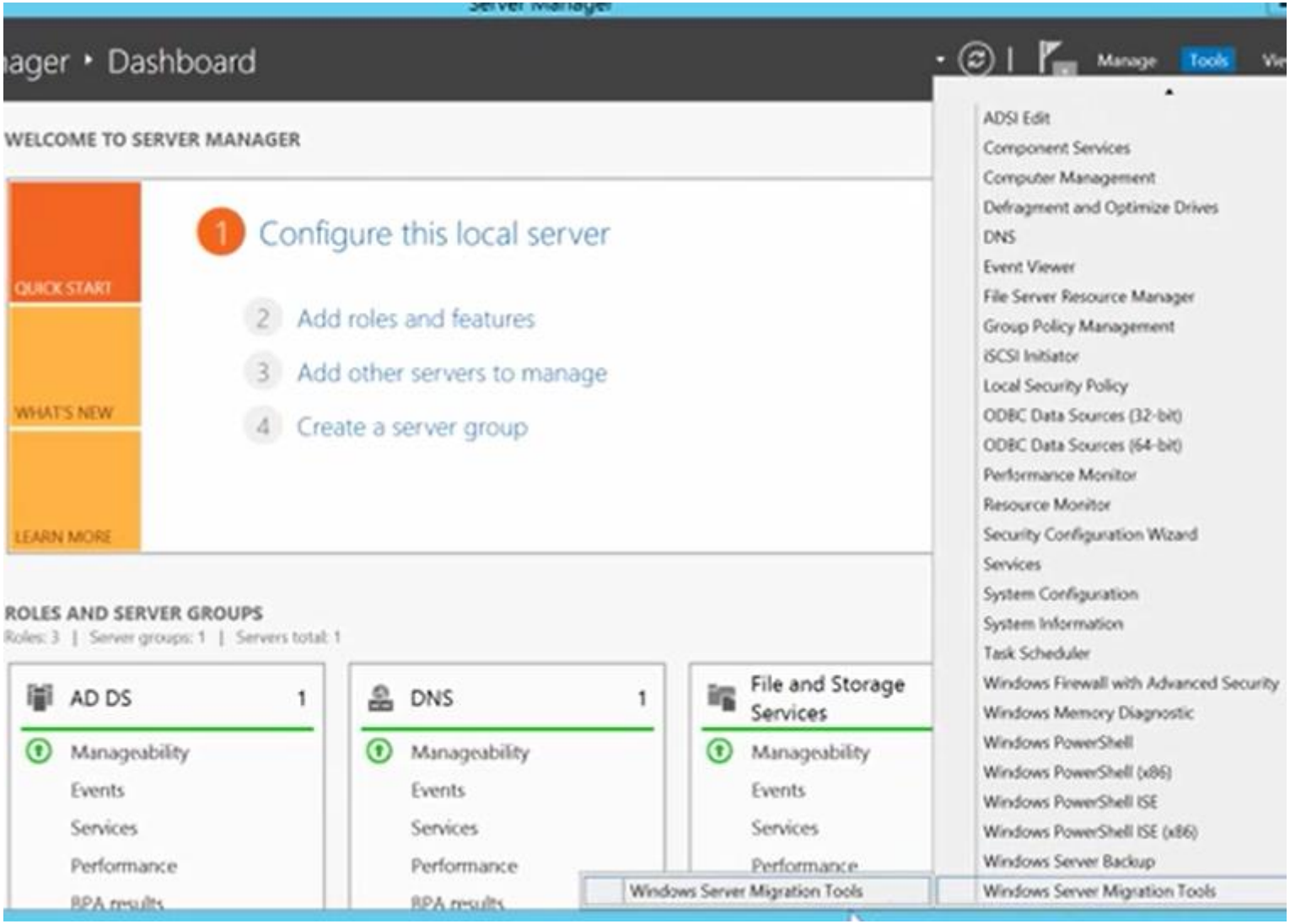

Add Roles and Features Wizard
Select destination server
DESTINATION SERVER
nydc1.ITFreeTraining.local
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
Select a server or a virtual hard disk on which to install roles and features.
Select a server from the server pool
Select a virtual hard disk
Server Pool
Filter:
Name
IP Address
Operating System
nydc1.ITFreeTraining.local
192.168.2.2
Microsoft Windows Server 2012 R2 Standard
1 Computer(s) found
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.
< Previous
Next >
Install
Cancel

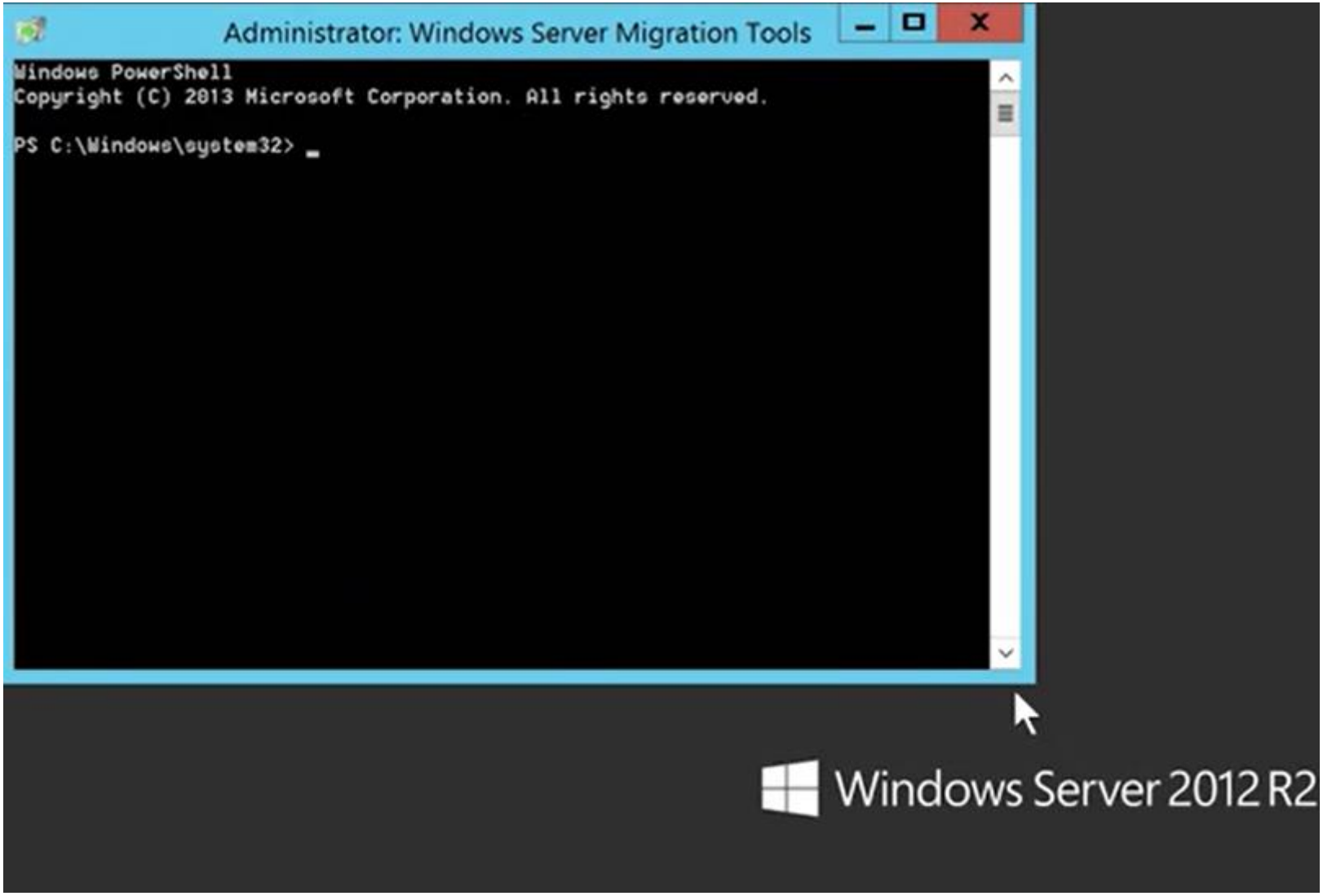

Add Roles and Features Wizard
Select server roles
DESTINATION SERVER
nydc1.JTFreeTraining.local
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
Select one or more roles to install on the selected server.
Roles
Active Directory Certificate Services
Active Directory Domain Services (Installed)
Active Directory Federation Services
Active Directory Lightweight Directory Services
Active Directory Rights Management Services
Application Server
DHCP Server
DNS Server (Installed)
Fax Server
File and Storage Services (3 of 12 installed)
Hyper-V
Network Policy and Access Services
Print and Document Services
Remote Access
Remote Desktop Services
Description
Active Directory Certificate Services (AD CS) is used to create certification authorities and related role services that allow you to issue and manage certificates used in a variety of applications.
< Previous
Next >
Install
Cancel

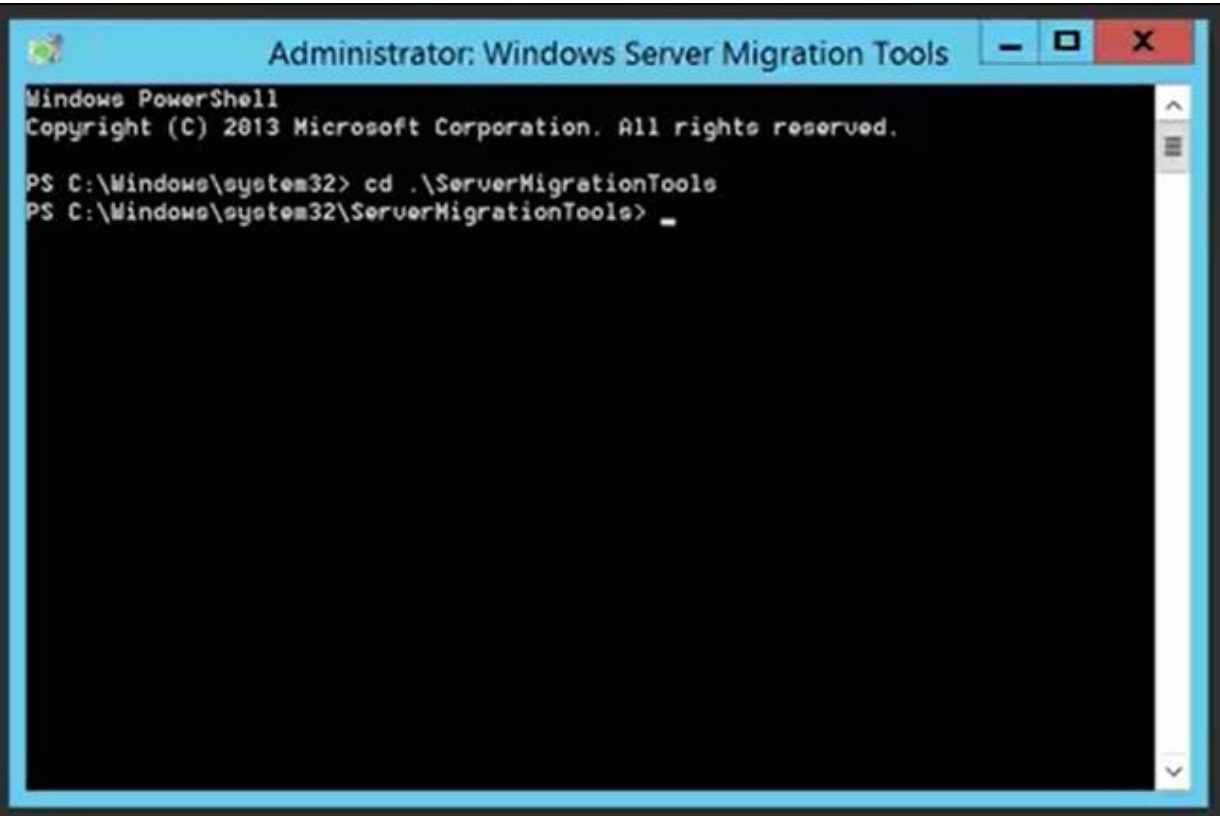

Add Roles and Features Wizard
Select features
DESTINATION SERVER
nydc1.JTFreeTraining.local
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
Select one or more features to install on the selected server.
Features
Windows Identity Foundation 3.5
Windows Internal Database
Windows PowerShell (2 of 5 installed)
Windows Process Activation Service
Windows Search Service
Windows Server Backup
Windows Server Migration Tools
Windows Standards-Based Storage Management
Windows TIFF IFilter
WinRM IIS Extension
WINS Server
Wireless LAN Service
WoW64 Support (Installed)
XPS Viewer
Description
Windows Server Migration Tools includes Windows PowerShell cmdlets that facilitate migration of server roles, operating system settings, files, and shares from computers that are running earlier versions of Windows Server or Windows Server 2012 to computers that are running Windows Server 2012.
< Previous
Next >
Install
Cancel


Add Roles and Features Wizard
Confirm installation selections
DESTINATION SERVER
mydc1.JTFreeTraining.local
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
To install the following roles, role services, or features on selected server, click Install.
Restart the destination server automatically if required
Optional features (such as administration tools) might be displayed on this page because they have been selected automatically. If you do not want to install these optional features, click Previous to clear their check boxes.
Windows Server Migration Tools
Export configuration settings
Specify an alternate source path
< Previous
Next >
Install
Cancel


Add Roles and Features Wizard
Installation progress
DESTINATION SERVER
nydc1.ITFreeTraining.local
Before You Begin
Installation Type
Server Selection
Server Roles
Features
Confirmation
Results
View installation progress
Feature installation
Installation succeeded on nydc1.ITFreeTraining.local.
Windows Server Migration Tools
You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.
Export configuration settings
< Previous
Next >
Close
Cancel


ager ▸ Dashboard
Manage
Tools
WELCOME TO SERVER MANAGER
QUICK START
WHAT'S NEW
LEARN MORE
1 Configure this local server
2 Add roles and features
3 Add other servers to manage
4 Create a server group
ROLES AND SERVER GROUPS
Roles: 3 | Server groups: 1 | Servers total: 1
AD DS 1
Manageability
Events
Services
Performance
BPA results
DNS 1
Manageability
Events
Services
Performance
BPA results
File and Storage Services
Manageability
Events
Services
Performance
ADSI Edit
Component Services
Computer Management
Defragment and Optimize Drives
DNS
Event Viewer
File Server Resource Manager
Group Policy Management
iSCSI Initiator
Local Security Policy
ODBC Data Sources (32-bit)
ODBC Data Sources (64-bit)
Performance Monitor
Resource Monitor
Security Configuration Wizard
Services
System Configuration
System Information
Task Scheduler
Windows Firewall with Advanced Security
Windows Memory Diagnostic
Windows PowerShell
Windows PowerShell (x86)
Windows PowerShell ISE
Windows PowerShell ISE (x86)
Windows Server Backup
Windows Server Migration Tools
Windows Server Migration Tools


Administrator: Windows Server Migration Tools
Windows PowerShell
Copyright (C) 2013 Microsoft Corporation. All rights reserved.
PS C:\Windows\system32> _
Windows Server 2012 R2

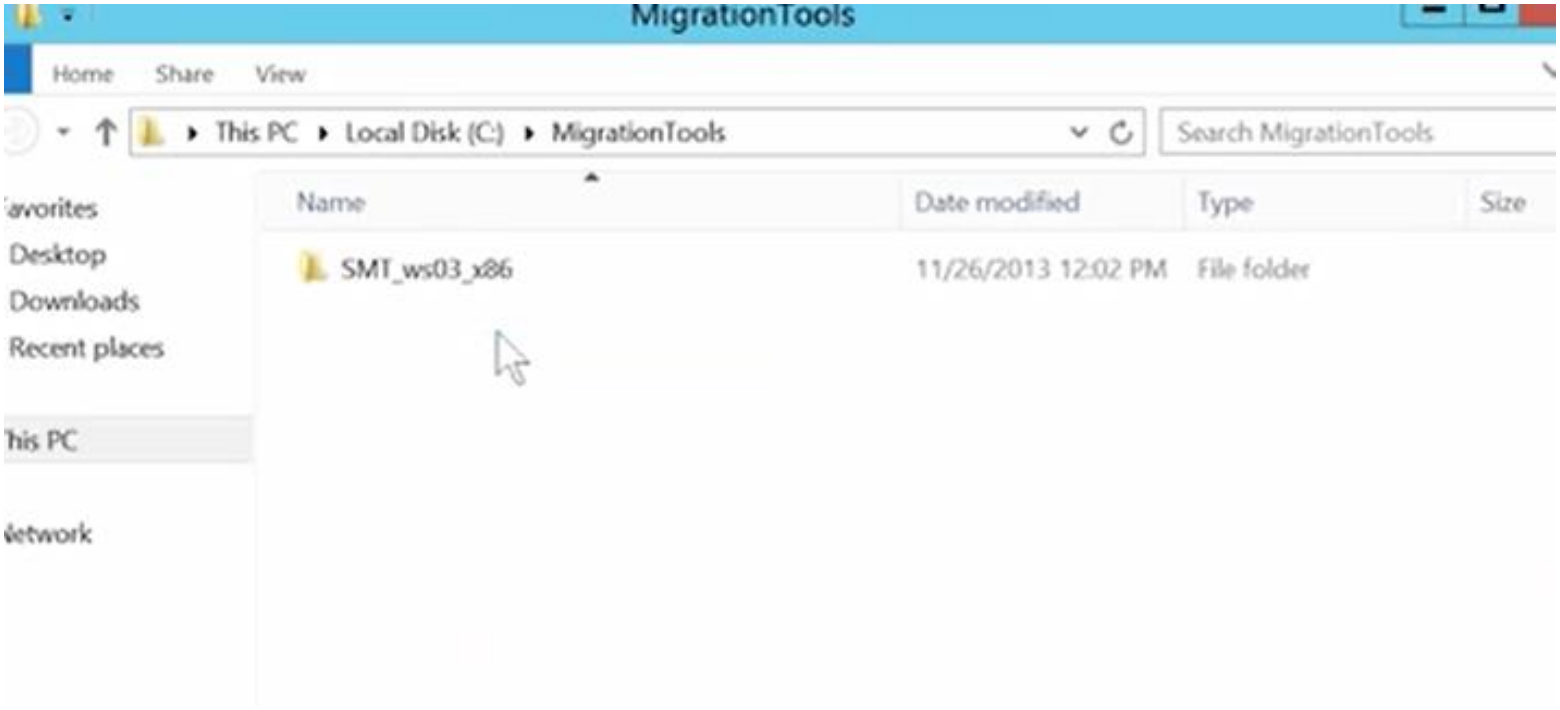


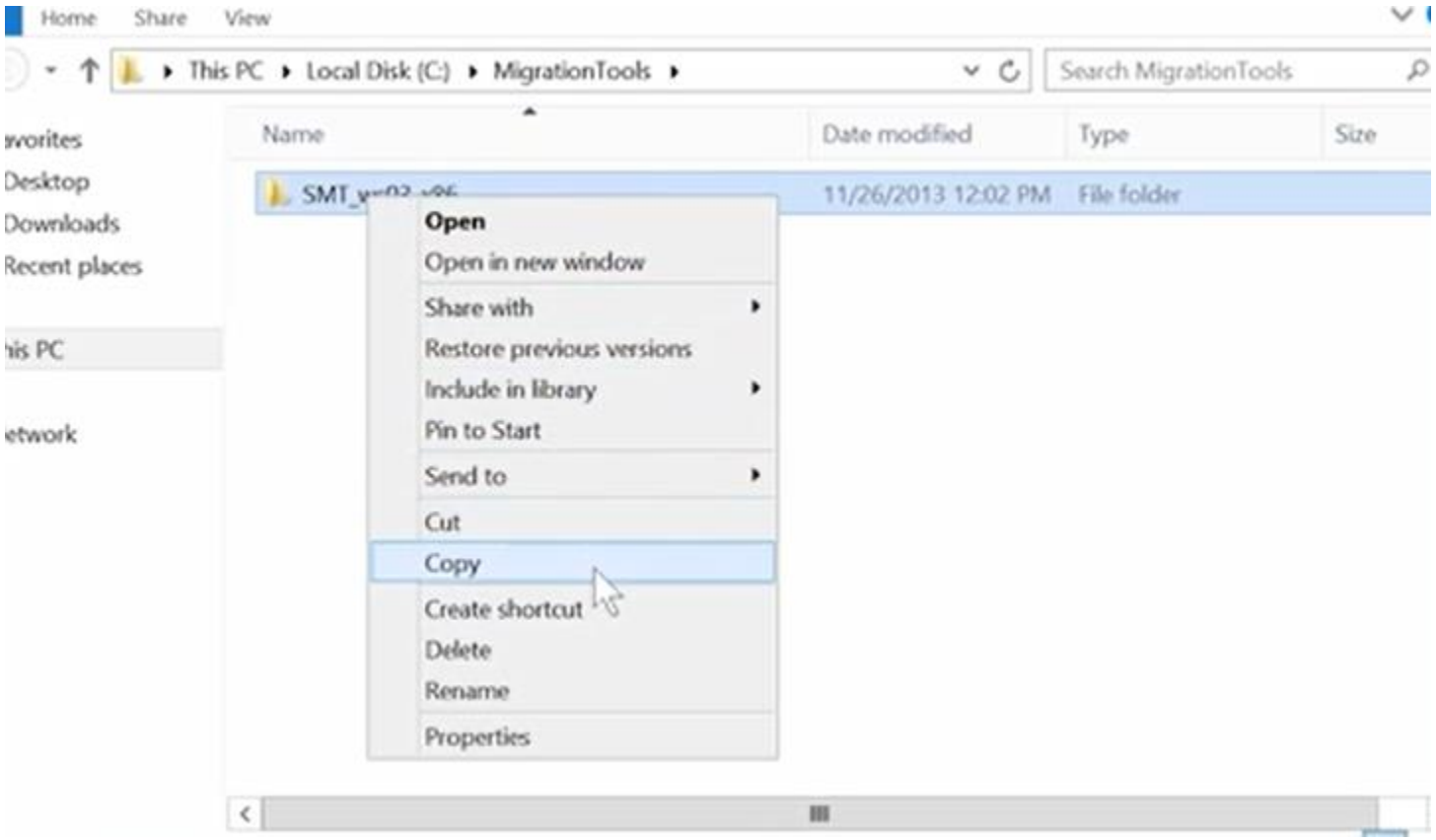
- To enabled in PowerShell run

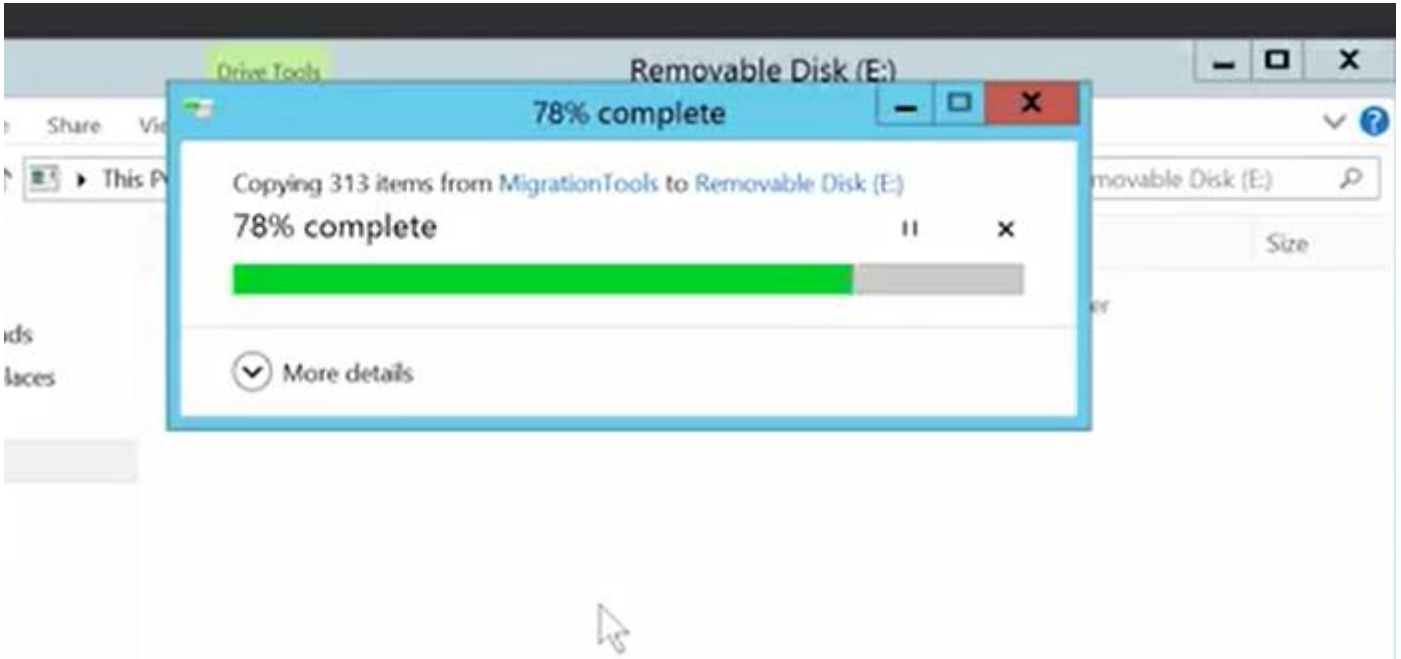
  -Add-PSSnapin Microsoft.Windows.ServerManager.Migration

Installs package on source server

Local Disk (C:)
90.1 GB free of 99.6 GB

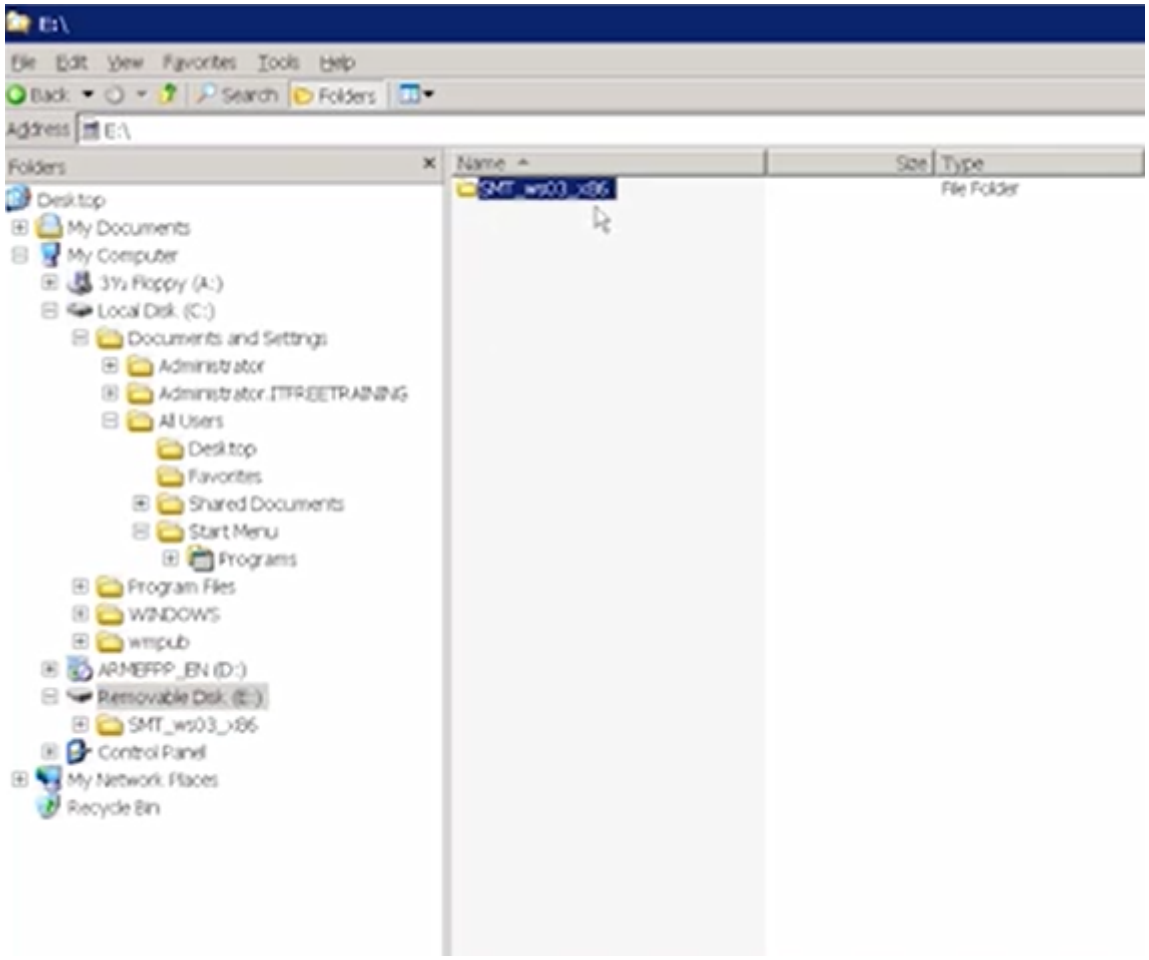

MigrationTools
Home
Share
View
This PC
Local Disk (C:)
MigrationTools
Search MigrationTools
avorites
Desktop
Downloads
Recent places
his PC
etwork
Name
Date modified
Type
Size
SMT_ws03_x86
11/26/2013 12:02 PM
File folder

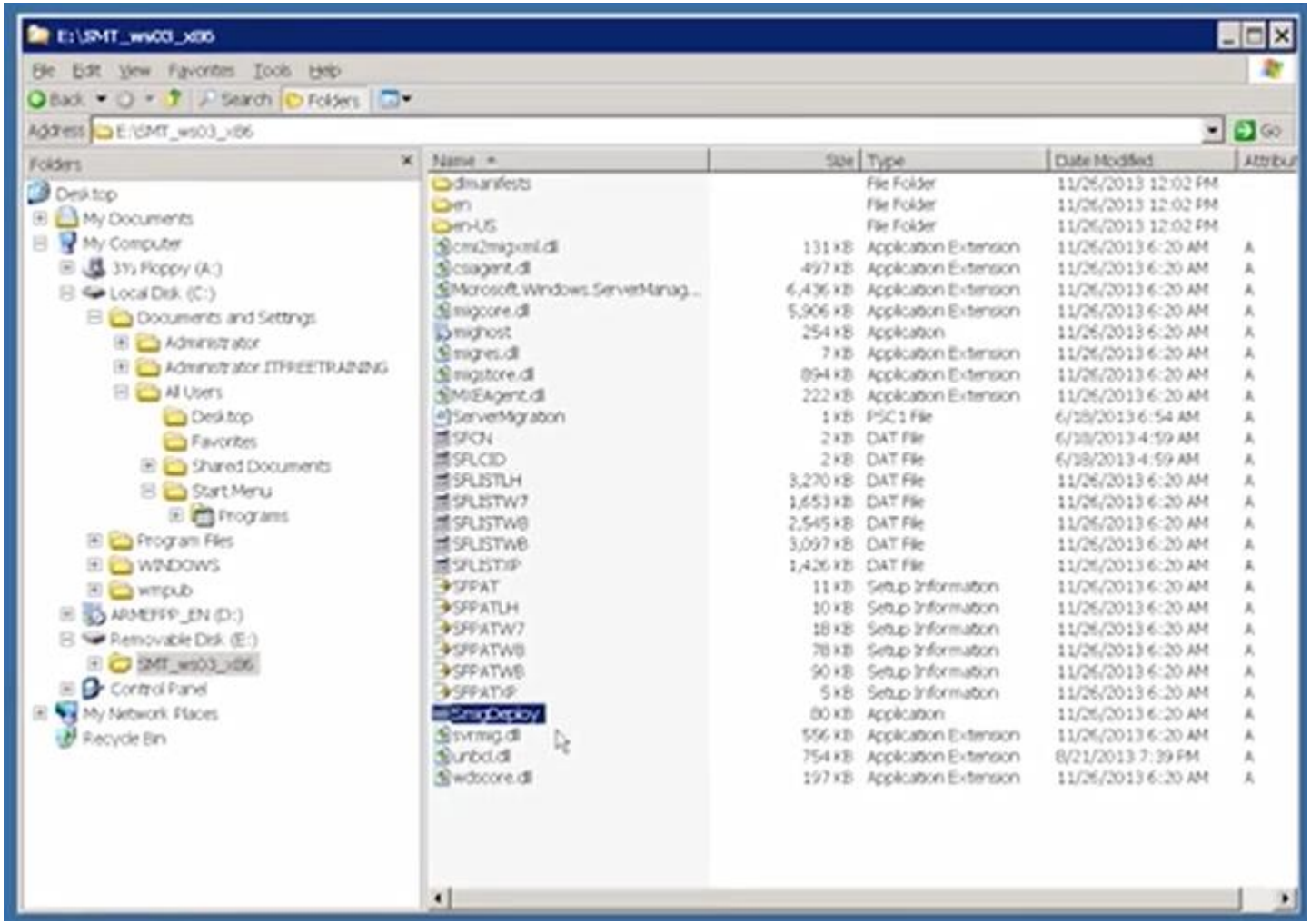

Home
Share
View
This PC
Local Disk (C:)
MigrationTools
Search MigrationTools
Name
Date modified
Type
Size
Desktop
Downloads
Recent places
11/26/2013 12:02 PM
File folder
Open
Open in new window
Share with
Restore previous versions
Include in library
Pin to Start
Send to
Cut
Copy
Create shortcut
Delete
Rename
Properties



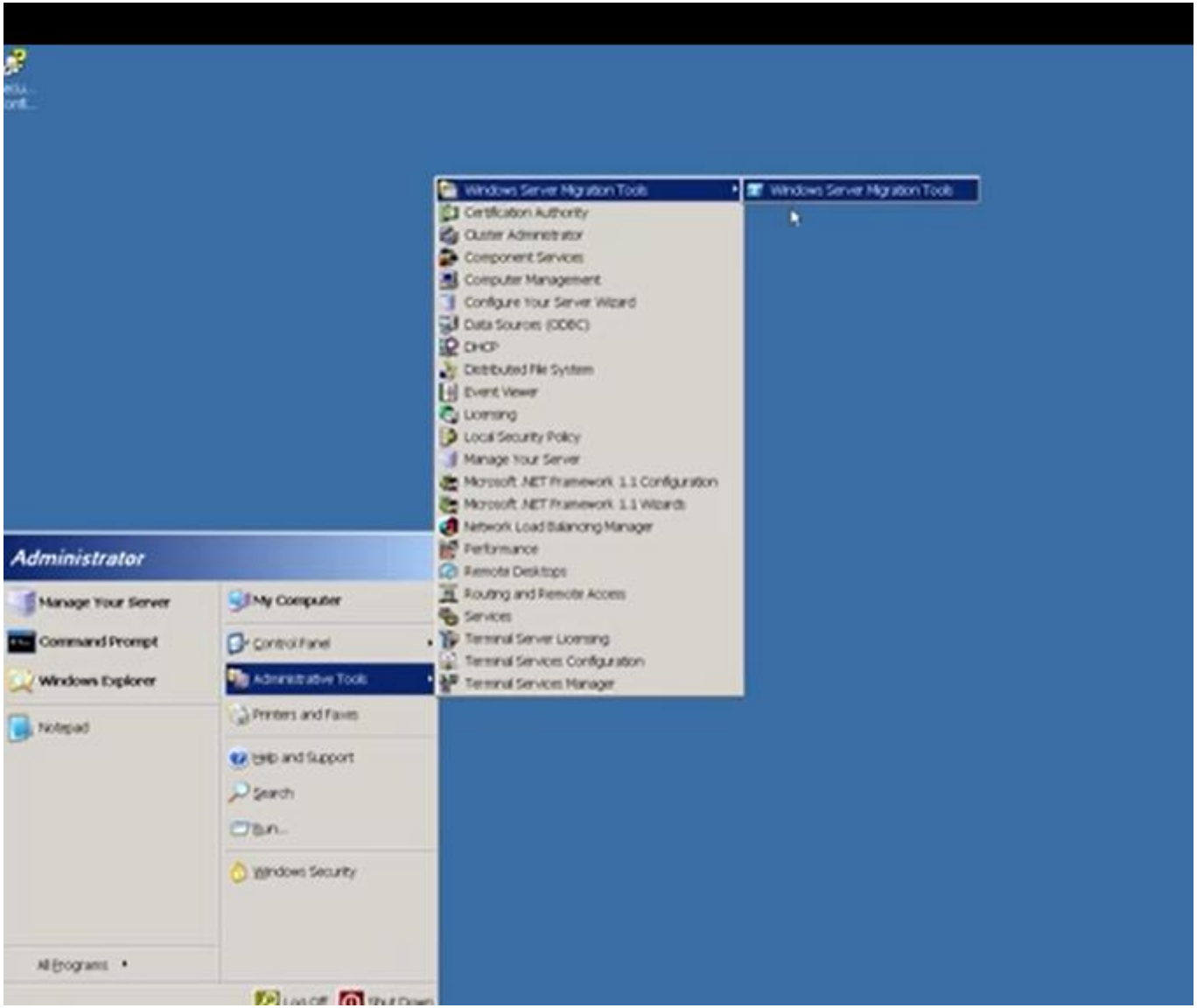
Copy package to USB stick. The USBs tick will contain the package to be installed on Server 2003 since 2003 does not come with Server Migration tools . Once complete I will change to Windows server 2003 to perform the Migration.

Install server migration tools

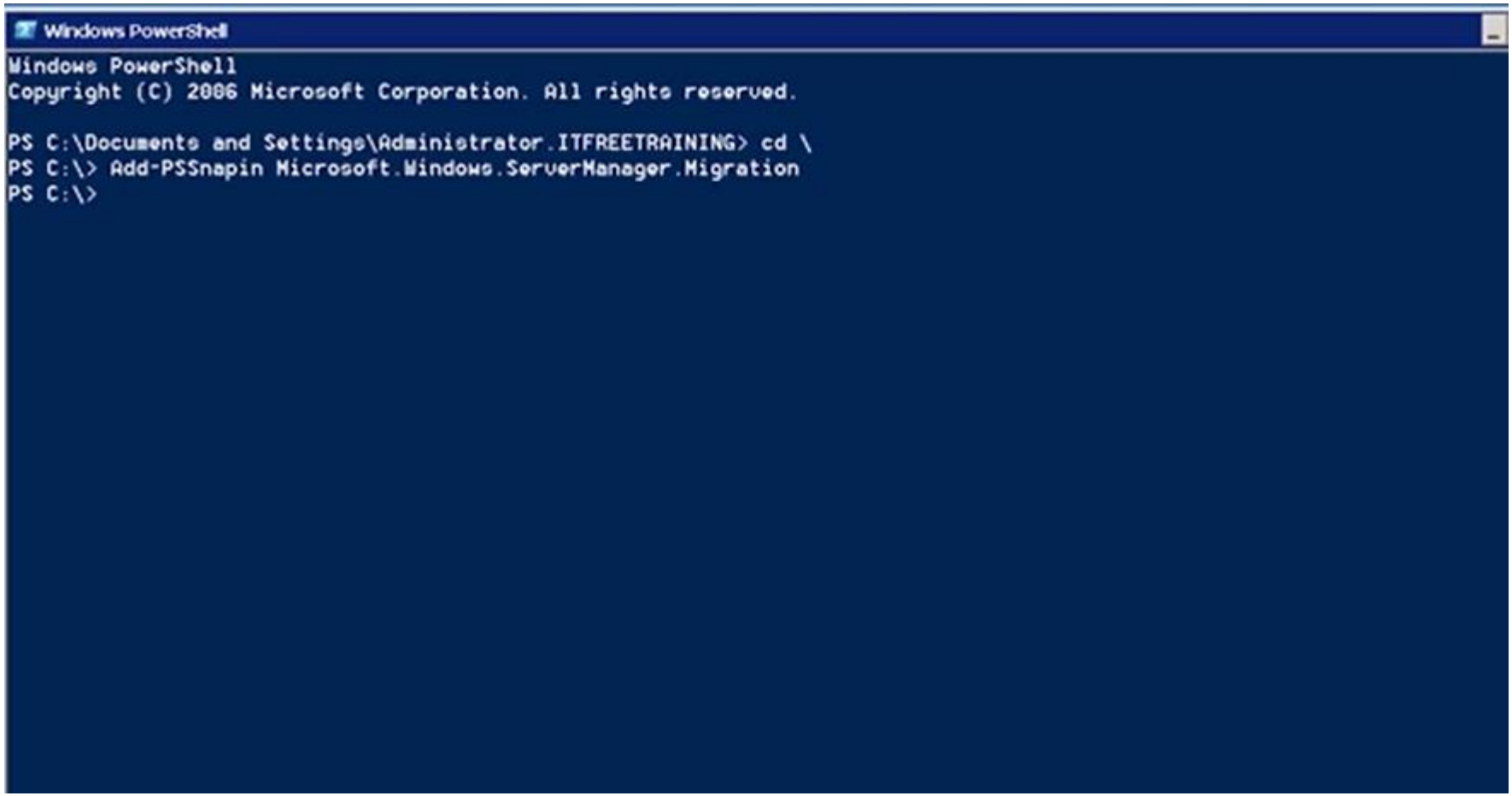




This command registers Windows Server Deployment Tools iw the local operating System. Once this is completed powershell with open with Windows Migration Tools Ready to go.

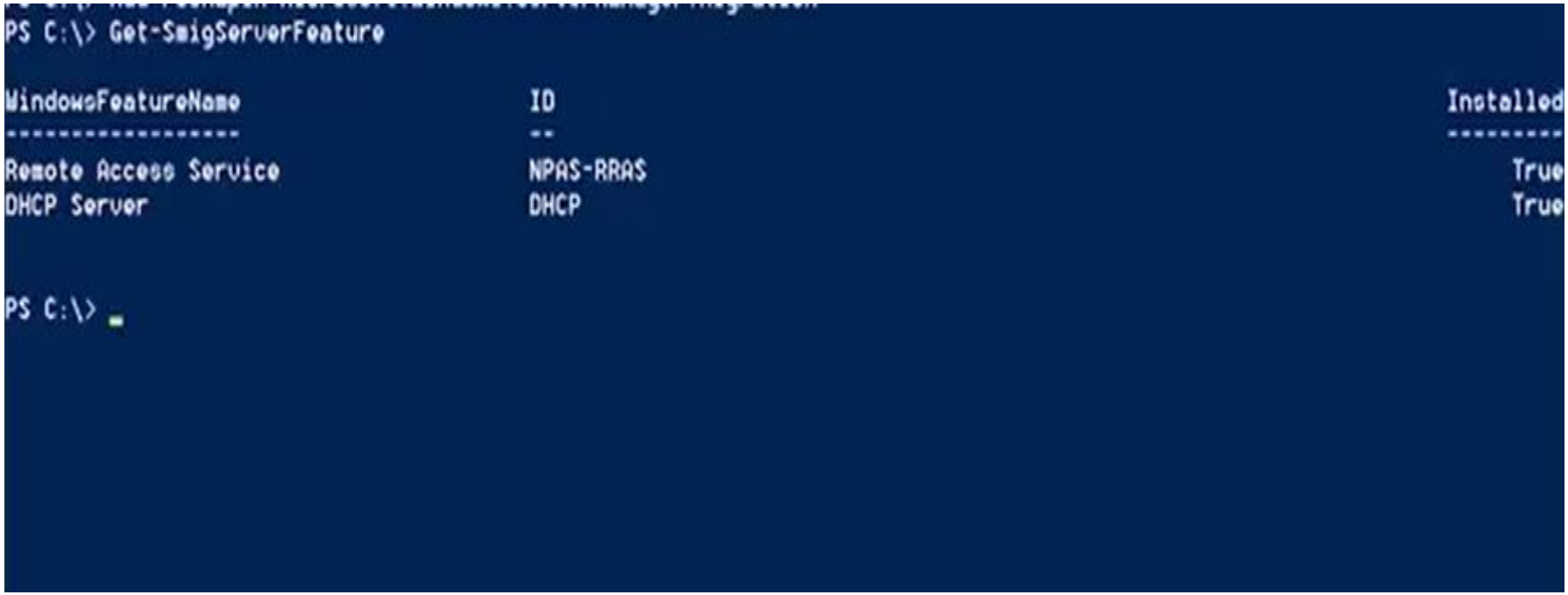


Windows server migration tools can also be run from the start ment.



This command will register Windows server migration tools in powershell

In order to see which roles can be exported run the command

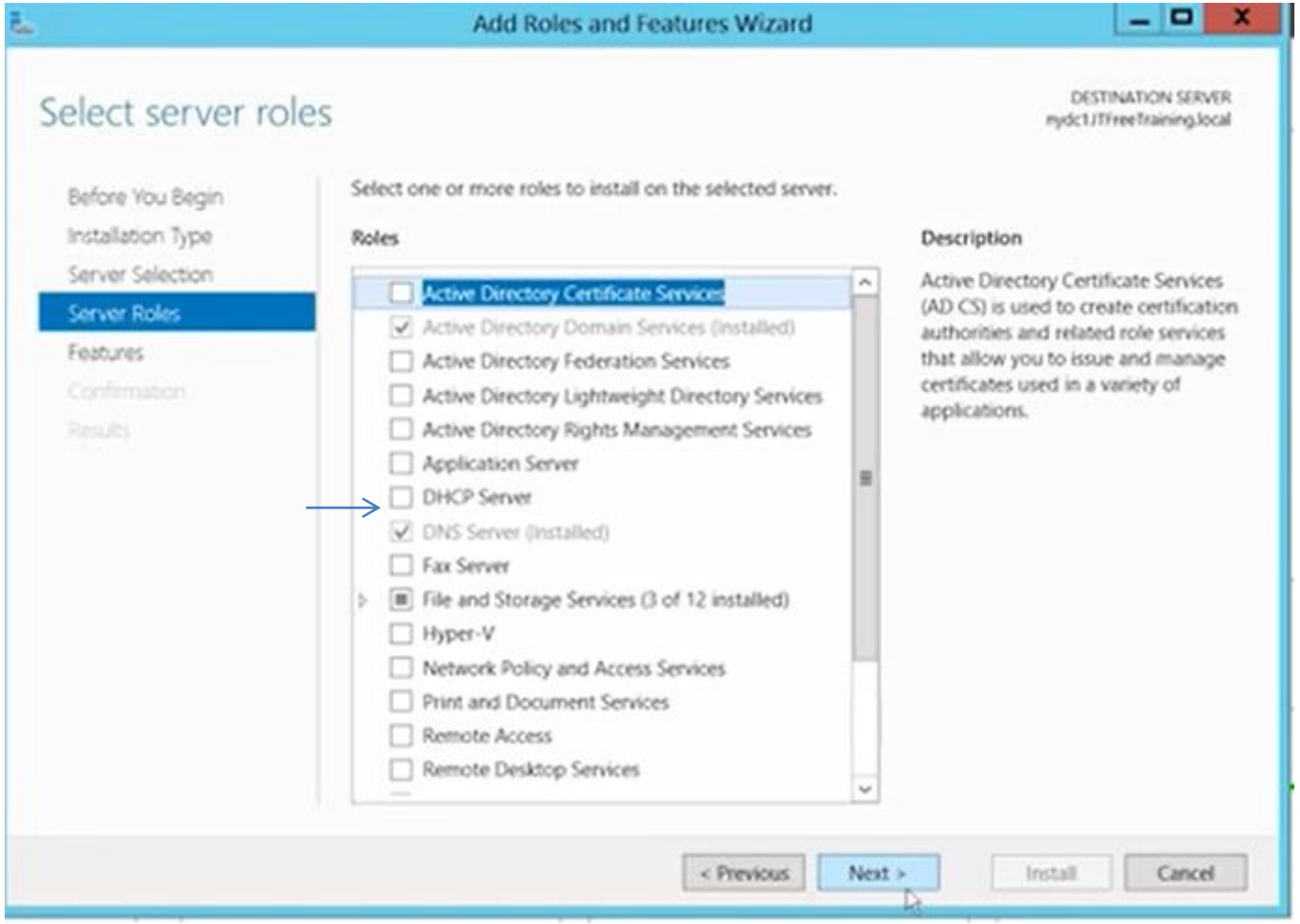


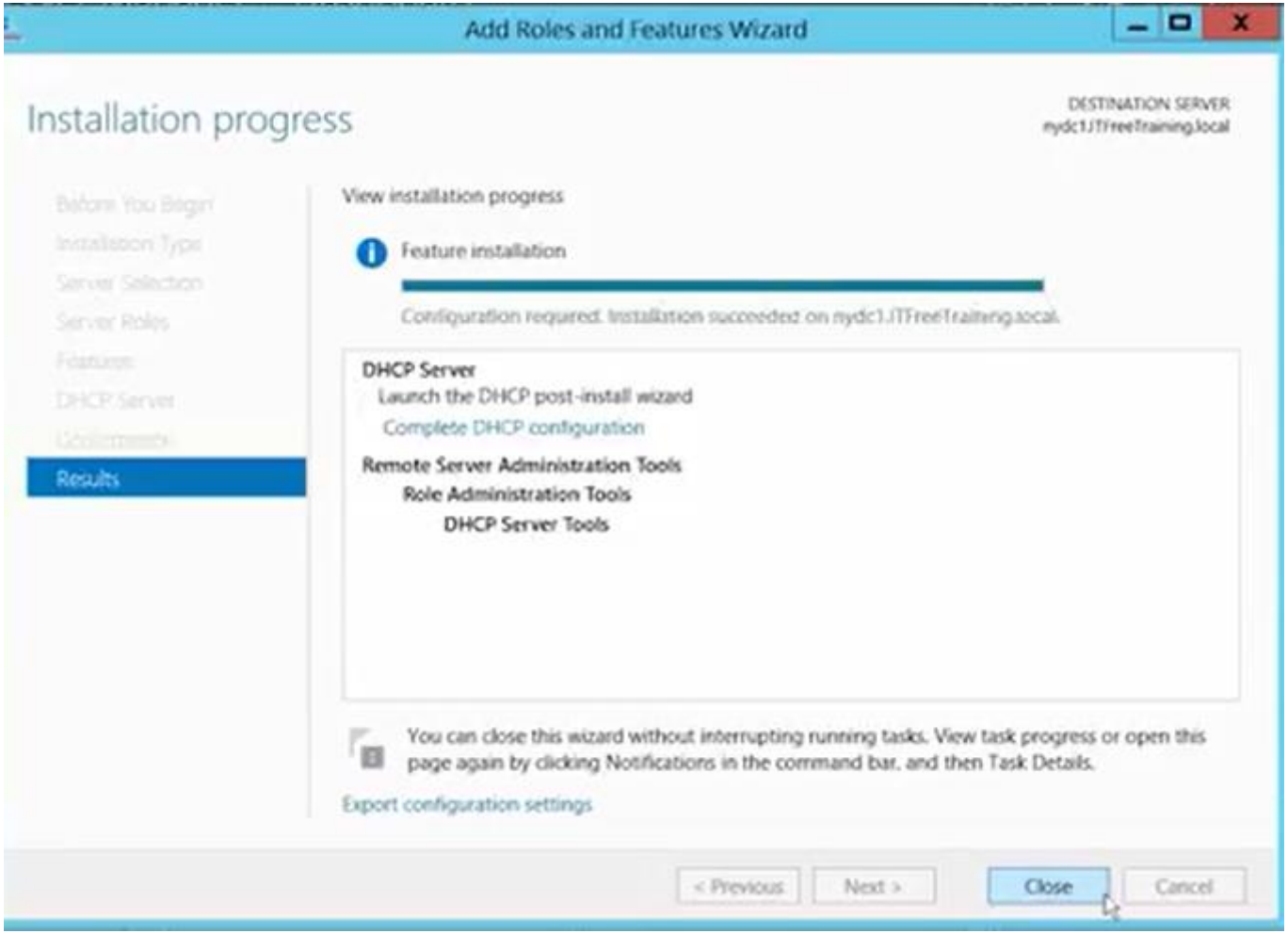
Command to export DHCP SETTINGS

```
PS C:\> Export-SmigServerSetting -FeatureID DHCP -Path c:\temp\store -Verbose

cmdlet Export-SmigServerSetting at command pipeline position 1
Supply values for the following parameters:
Password: *********

                    ItemType ID                                          Success DetailsList
                    -------- --                                          ------- -----------
              WindowsFeature DHCP                                           True ()


PS C:\> _
```

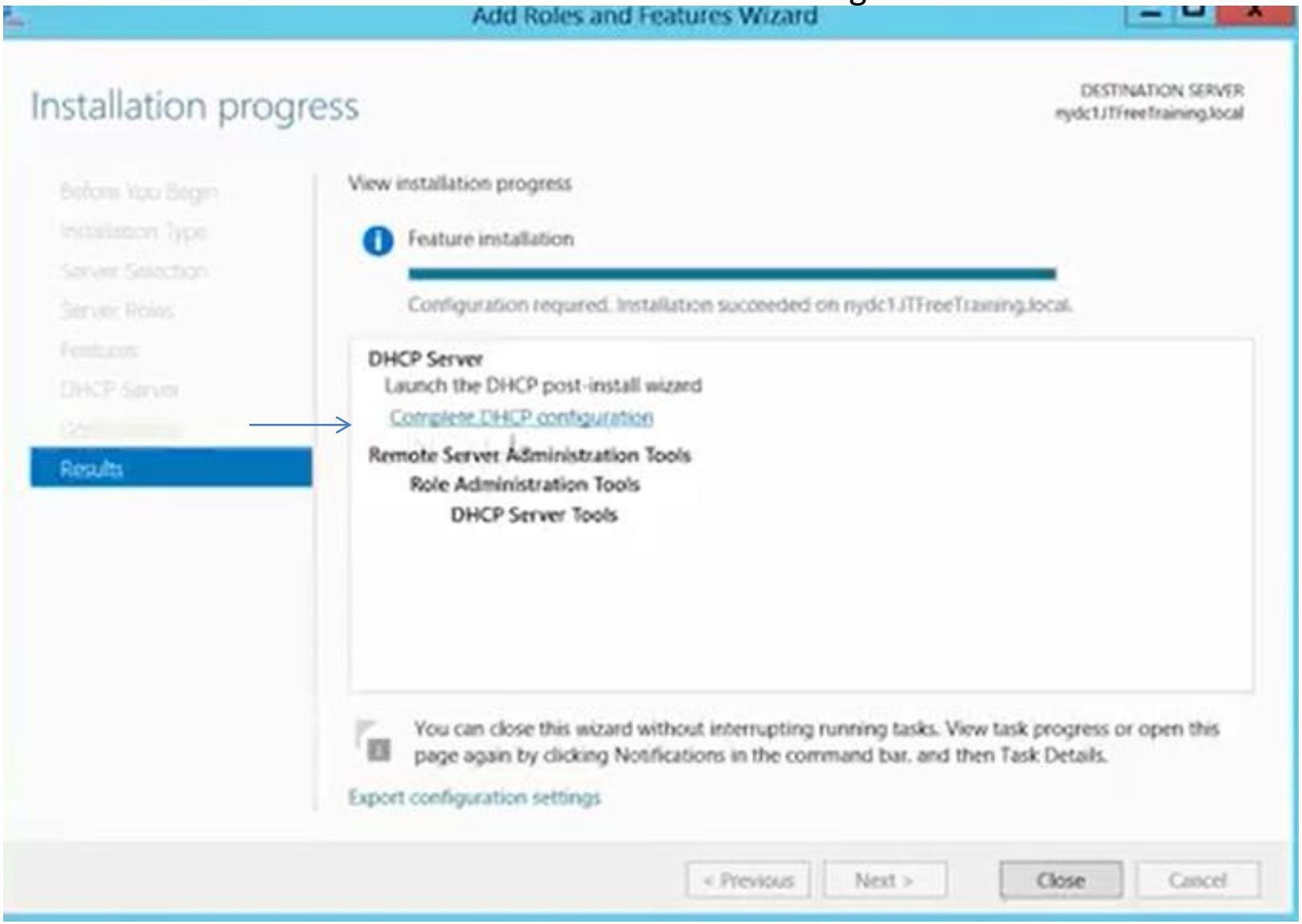
COPY THE DATA that is exported to the USB DRIVE

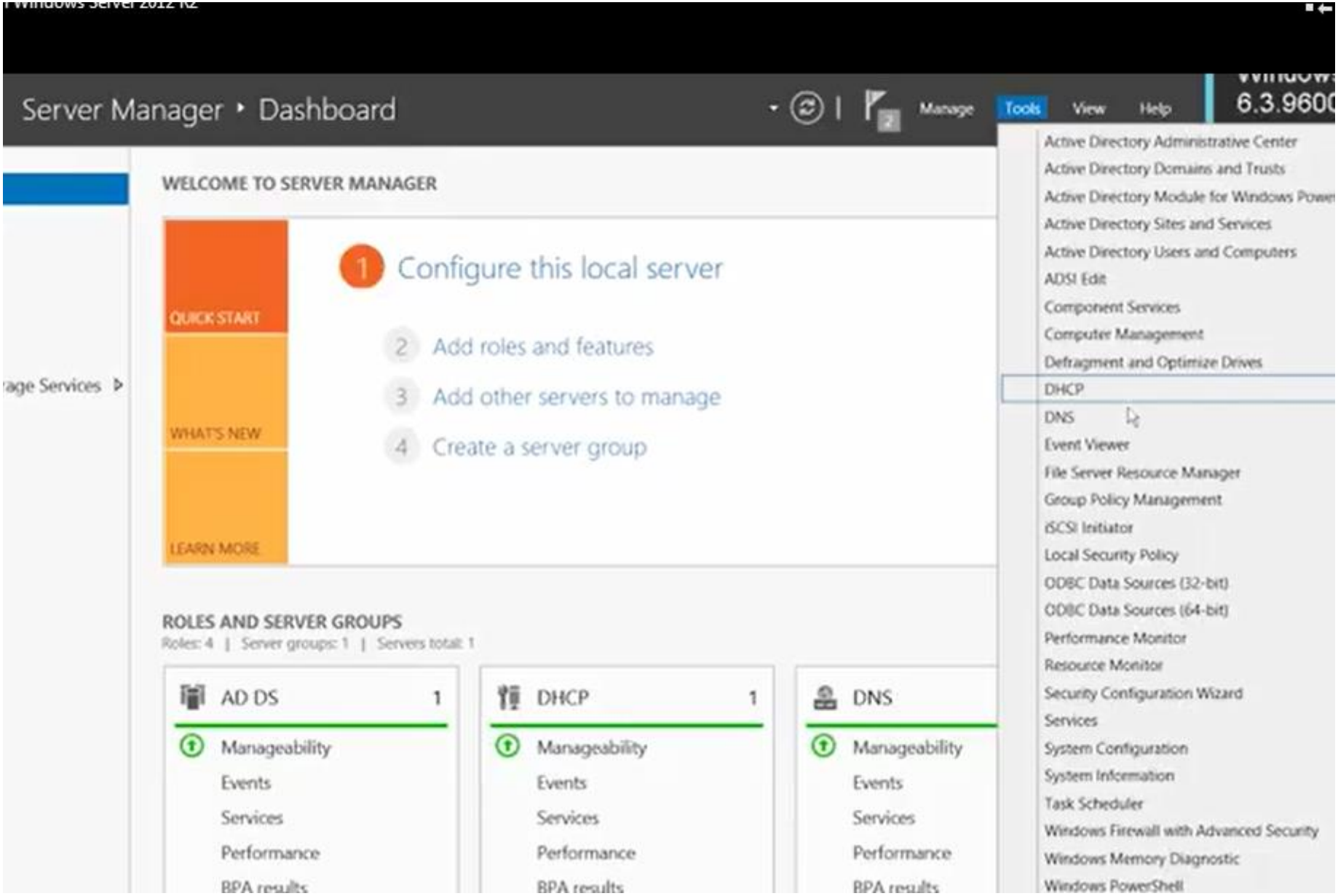
I NEED TO GO TO MY SERVER 2012R AND INSTALL THE DHCP ROLE

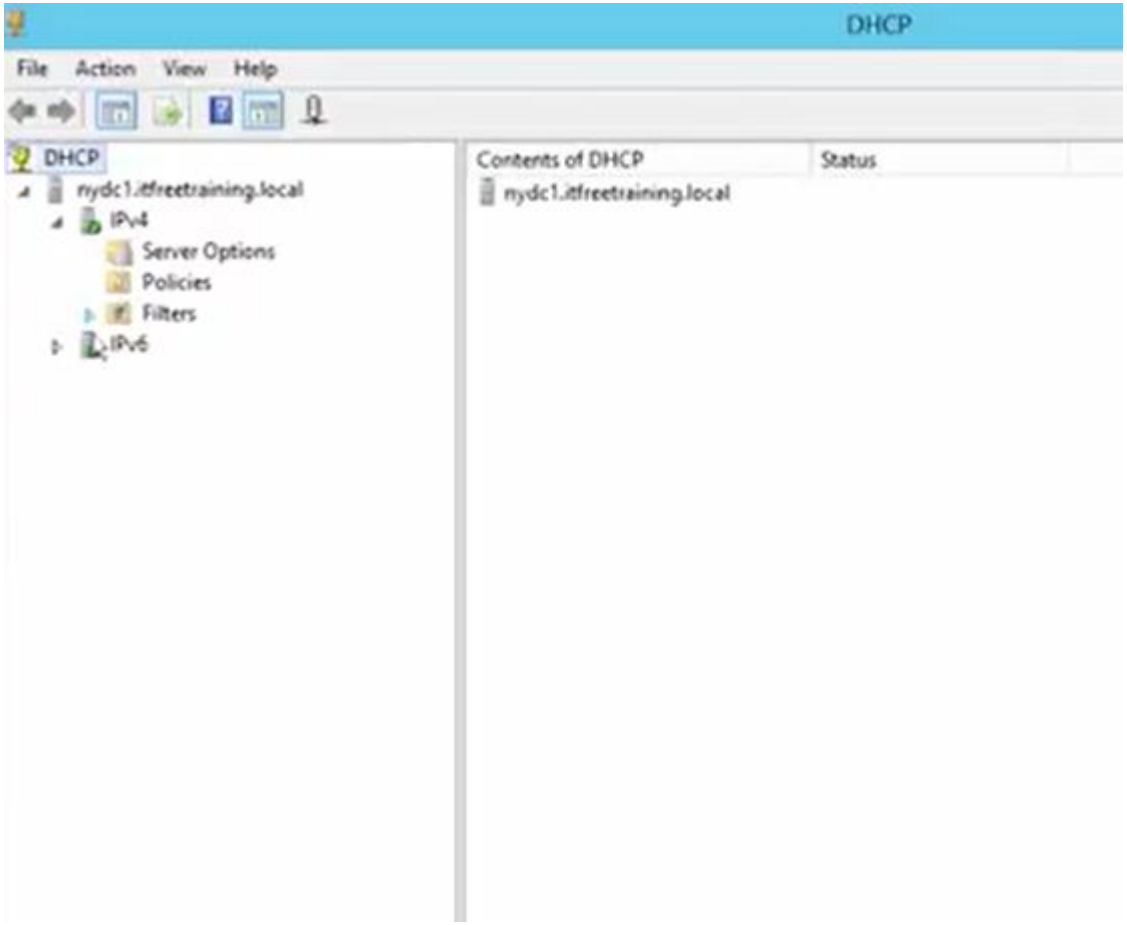



Add Roles and Features Wizard
Installation progress
DESTINATION SERVER
nydc1.ITFreeTraining.local
Before You Begin
Installation Type
Server Selection
Server Roles
Features
DHCP Server
Confirmation
Results
View installation progress
Feature installation
Configuration required. Installation succeeded on nydc1.ITFreeTraining.local.
DHCP Server
Launch the DHCP post-install wizard
Complete DHCP configuration
Remote Server Administration Tools
Role Administration Tools
DHCP Server Tools
You can close this wizard without interrupting running tasks. View task progress or open this page again by clicking Notifications in the command bar, and then Task Details.
Export configuration settings
< Previous
Next >
Close
Cancel

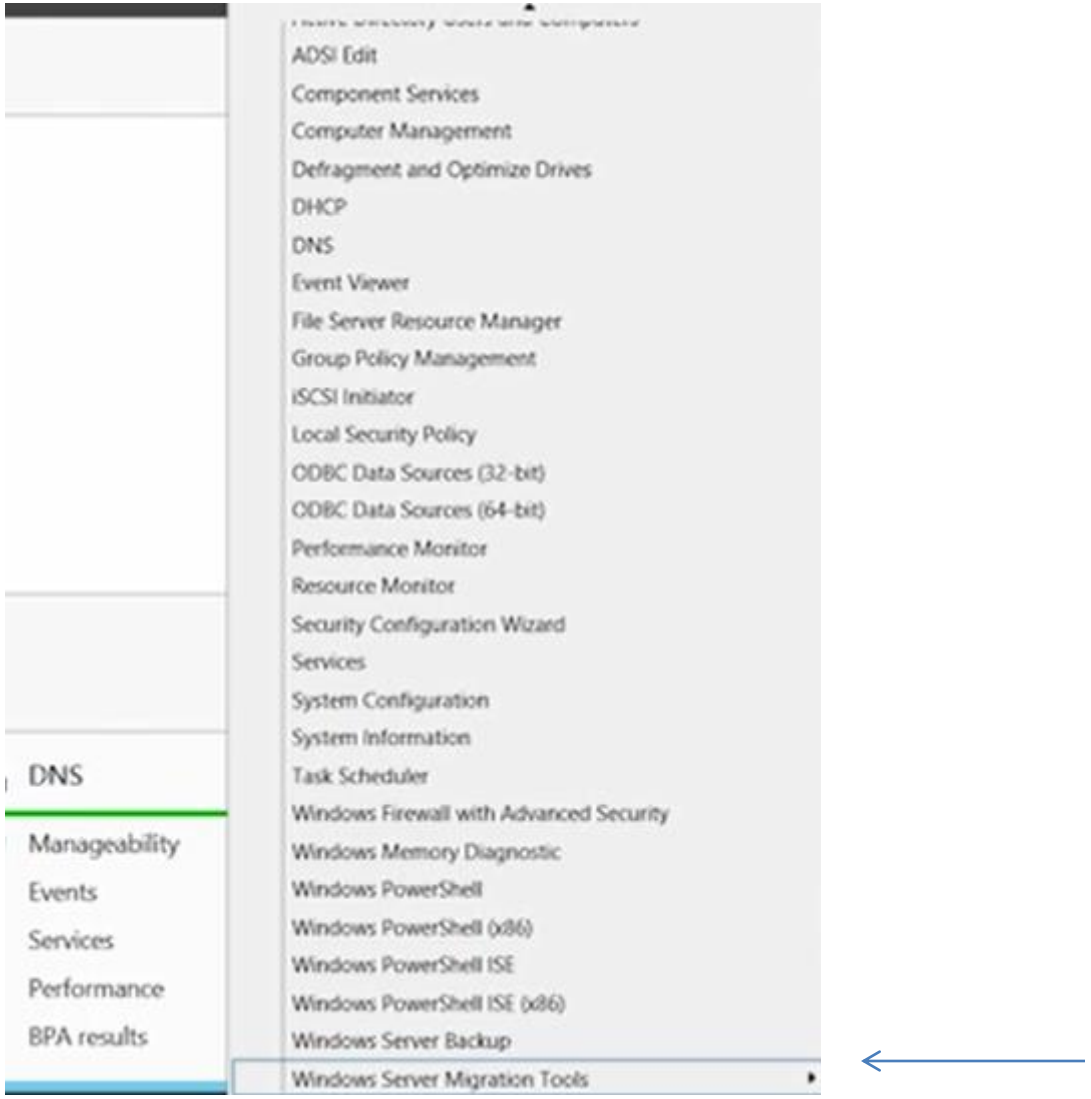
Once the role is added to the sever it needs to be configured .



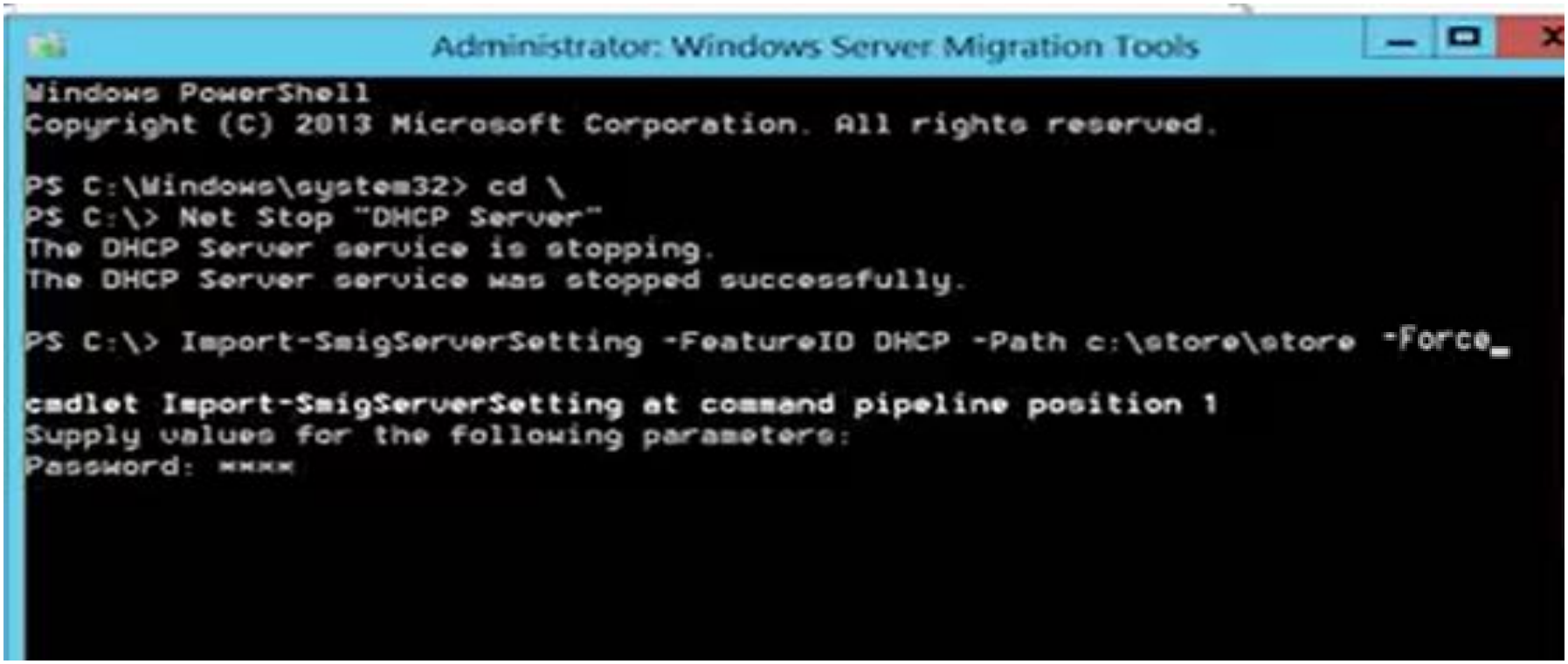

Server Manager • Dashboard
Manage
Tools
View
Help
6.3.9600
WELCOME TO SERVER MANAGER
QUICK START
WHAT'S NEW
LEARN MORE
1 Configure this local server
2 Add roles and features
3 Add other servers to manage
4 Create a server group
ROLES AND SERVER GROUPS
Roles: 4 | Server groups: 1 | Servers total: 1
AD DS 1
DHCP 1
DNS
Manageability
Events
Services
Performance
BPA results
Active Directory Administrative Center
Active Directory Domains and Trusts
Active Directory Module for Windows Powe
Active Directory Sites and Services
Active Directory Users and Computers
ADSI Edit
Component Services
Computer Management
Defragment and Optimize Drives
DHCP
DNS
Event Viewer
File Server Resource Manager
Group Policy Management
iSCSI Initiator
Local Security Policy
ODBC Data Sources (32-bit)
ODBC Data Sources (64-bit)
Performance Monitor
Resource Monitor
Security Configuration Wizard
Services
System Configuration
System Information
Task Scheduler
Windows Firewall with Advanced Security
Windows Memory Diagnostic
Windows PowerShell

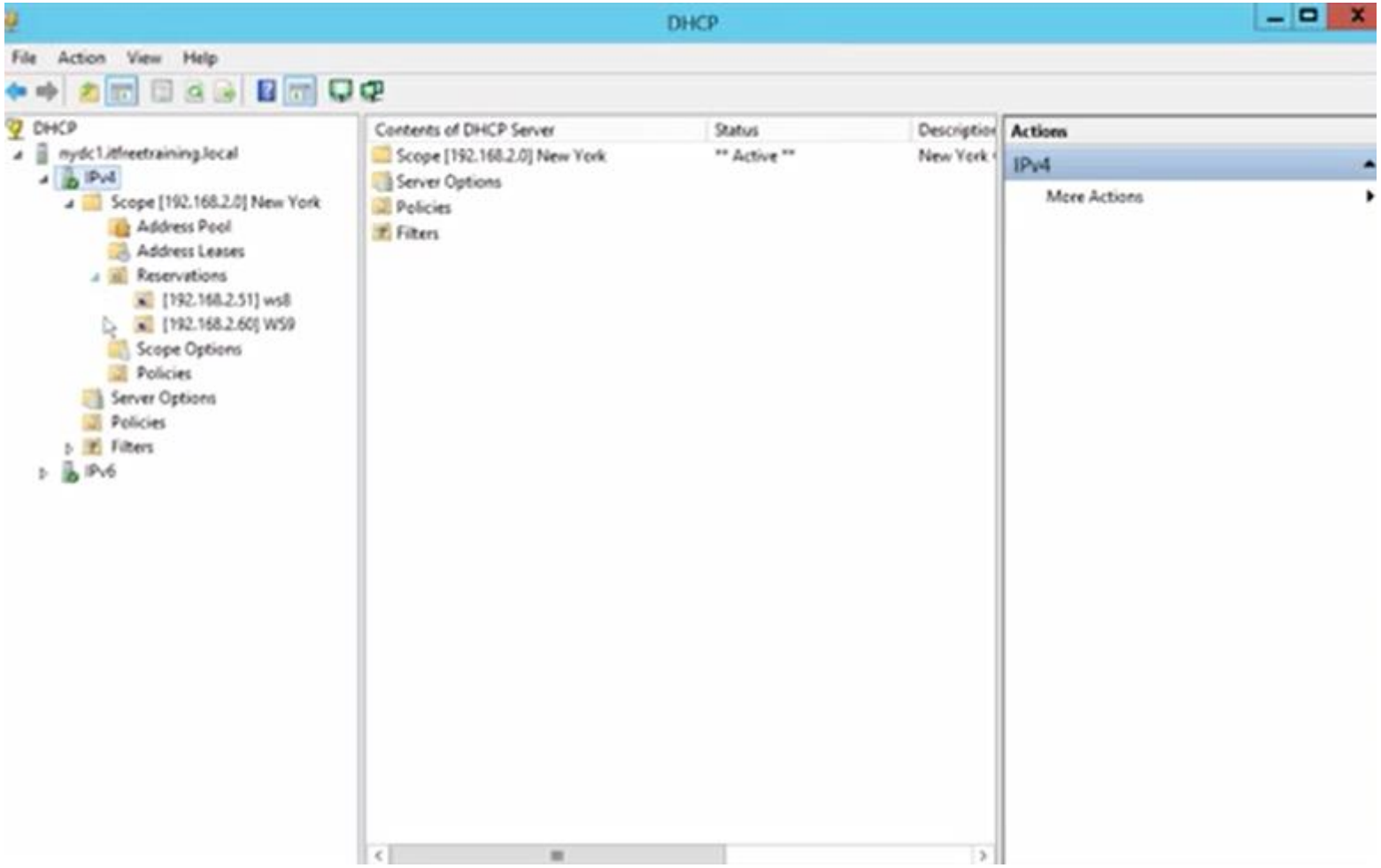


None of the options have been configured. We now have to import the DHCP SETTINGS From the other DHCP server.


ADSI Edit
Component Services
Computer Management
Defragment and Optimize Drives
DHCP
DNS
Event Viewer
File Server Resource Manager
Group Policy Management
iSCSI Initiator
Local Security Policy
ODBC Data Sources (32-bit)
ODBC Data Sources (64-bit)
Performance Monitor
Resource Monitor
Security Configuration Wizard
Services
System Configuration
System Information
Task Scheduler
Windows Firewall with Advanced Security
Windows Memory Diagnostic
Windows PowerShell
Windows PowerShell (x86)
Windows PowerShell ISE
Windows PowerShell ISE (x86)
Windows Server Backup
Windows Server Migration Tools
DNS
Manageability
Events
Services
Performance
BPA results

Before you can import the DHCP SETTING you need to stop the DHCP service, then Run the command to import the settings




DHCP
File
Action
View
Help
DHCP
mydc1.itfreetraining.local
IPv4
Scope [192.168.2.0] New York
Address Pool
Address Leases
Reservations
[192.168.2.51] ws8
[192.168.2.60] W59
Scope Options
Policies
Server Options
Policies
Filters
IPv6
Contents of DHCP Server
Status
Description
Scope [192.168.2.0] New York
** Active **
New York
Server Options
Policies
Filters
Actions
IPv4
More Actions