1. Open your network adapters and assign a static IP to the server. Input the gateway and the DNS server as such, replicating the server's IP.

Internet Protocol Version 4 (TCP/IPv4) Properties [?] [X]

General

You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.

○ Obtain an IP address automatically
⊙ Use the following IP address:

IP address:	192 . 168 . 33 . 1
Subnet mask:	255 . 255 . 255 . 0
Default gateway:	192 . 168 . 33 . 1

○ Obtain DNS server address automatically
⊙ Use the following DNS server addresses:
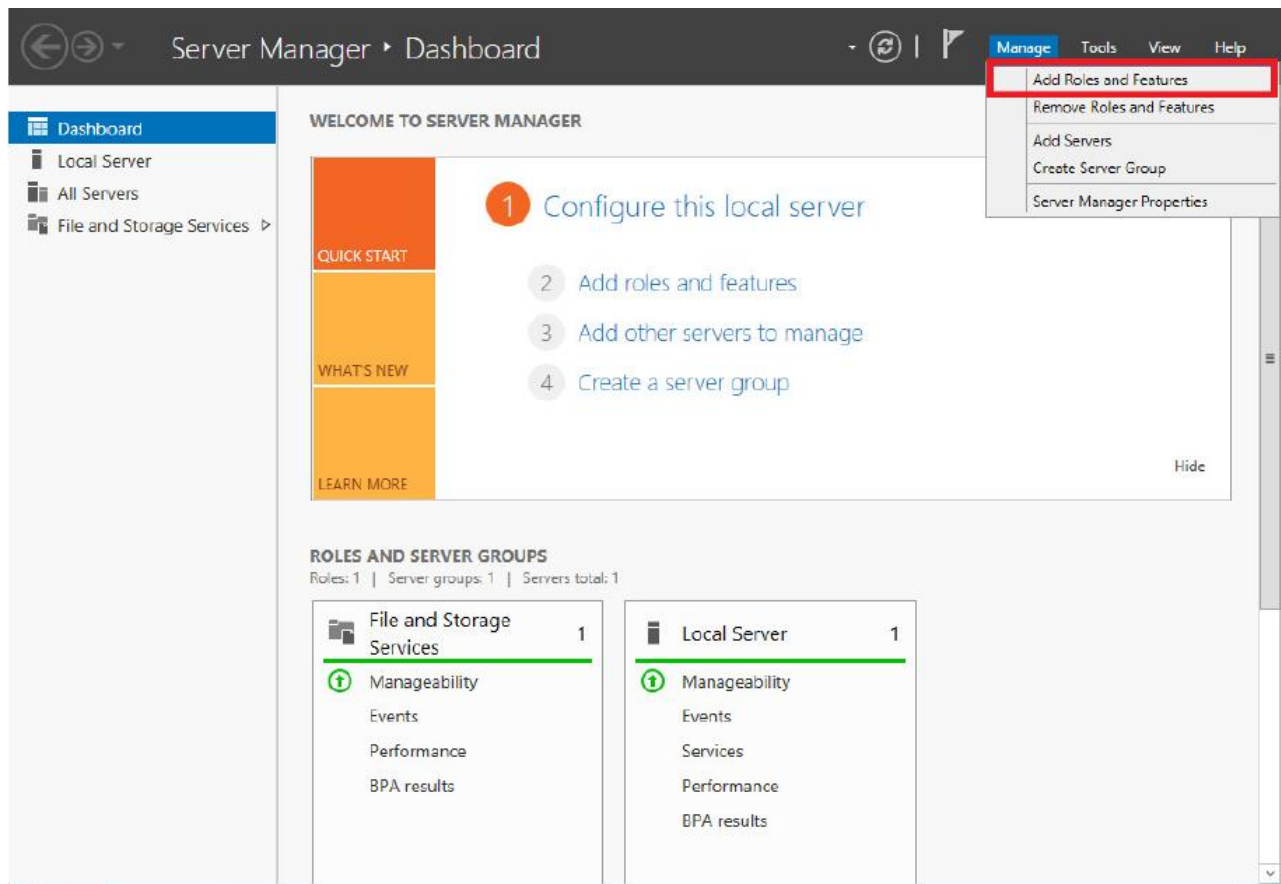
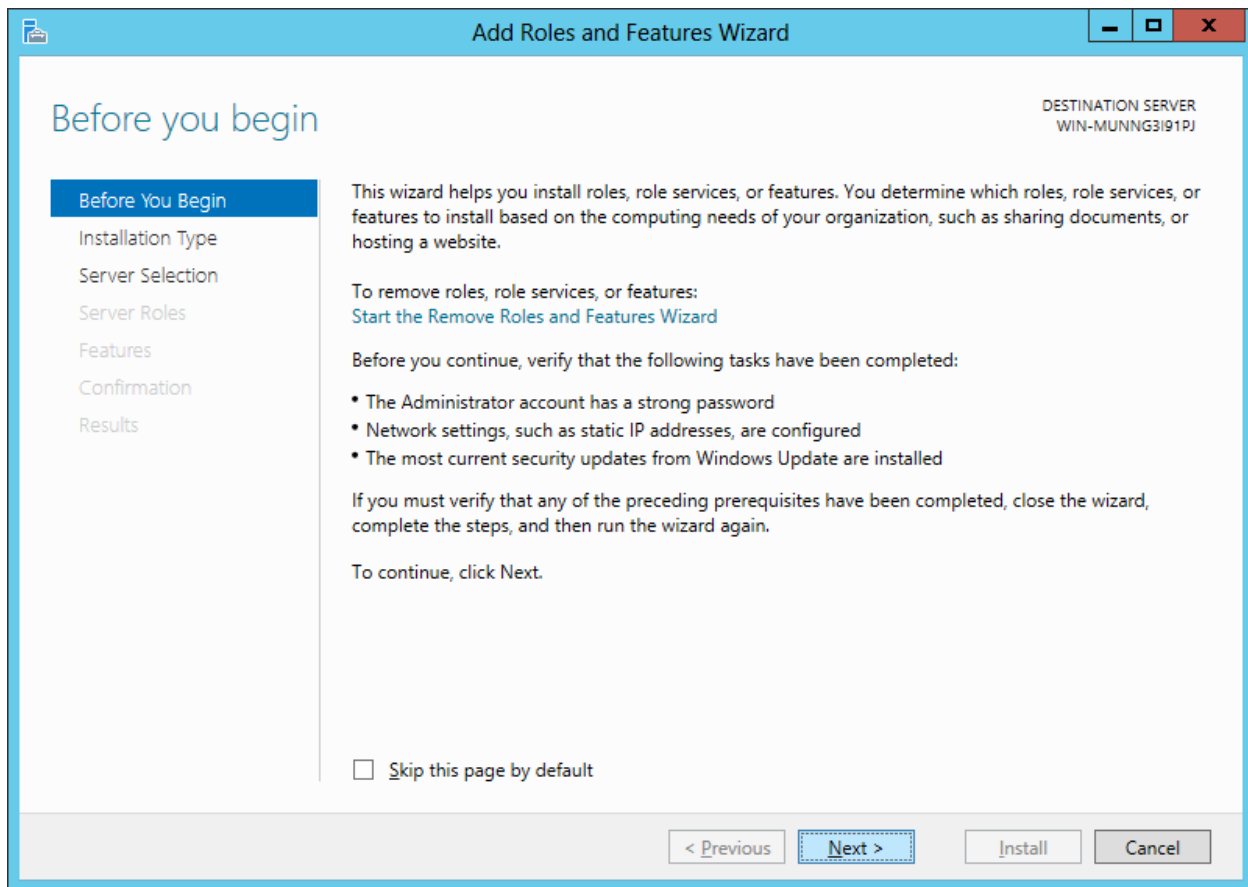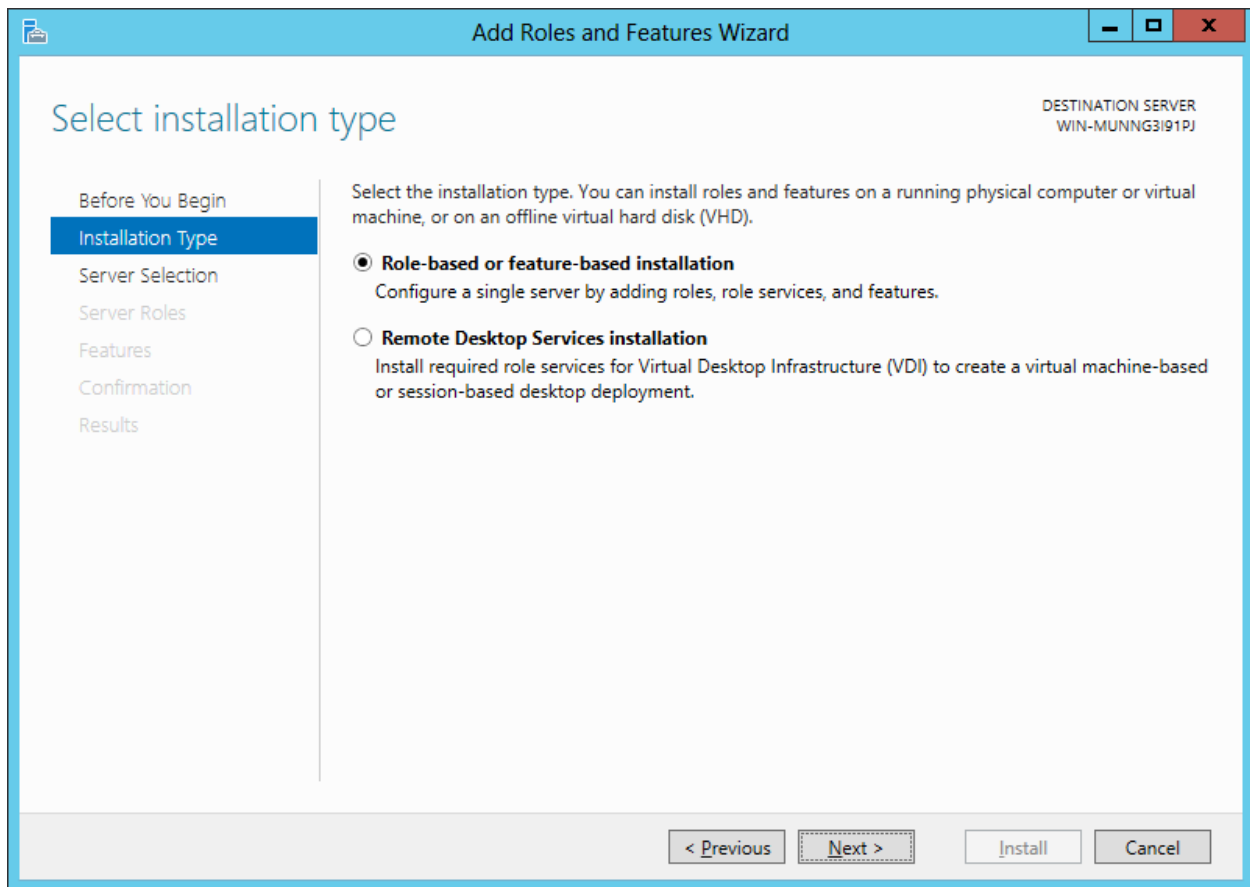| Preferred DNS server: | 192 . 168 . 33 . 1 |
| Alternate DNS server: | . . . |

☐ Validate settings upon exit   [Advanced...]

[OK]   [Cancel]

2. Open the Server Manager Tool, then select add role.

3. Select Next.

Add Roles and Features Wizard

Before you begin

- 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

4. Select Role-Based or feature-based installation.

5. Select the server from the server pool and click next.

7.   Click the check boxes for DHCP and Windows Deployment Services and click next.
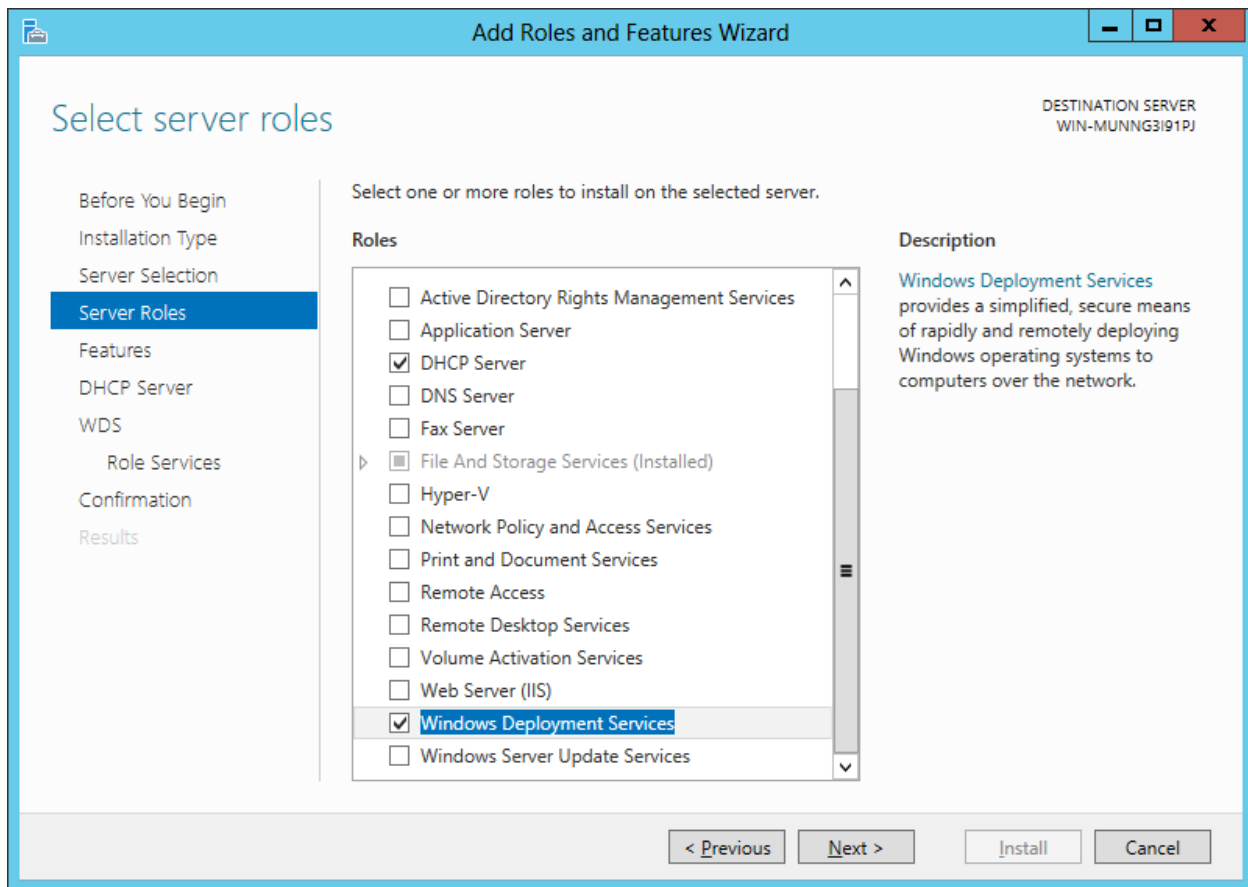
8.   Check the Restart Server automatically if required and click install.

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.

DHCP Server
Remote Server Administration Tools
    Role Administration Tools
        DHCP Server Tools
        Windows Deployment Services Tools
Windows Deployment Services
    Deployment Server
    Transport Server

Export configuration settings
Specify an alternate source path

9. After installation in the Server Manager interface, click DHCP, the select the server and click DHCP Manager.
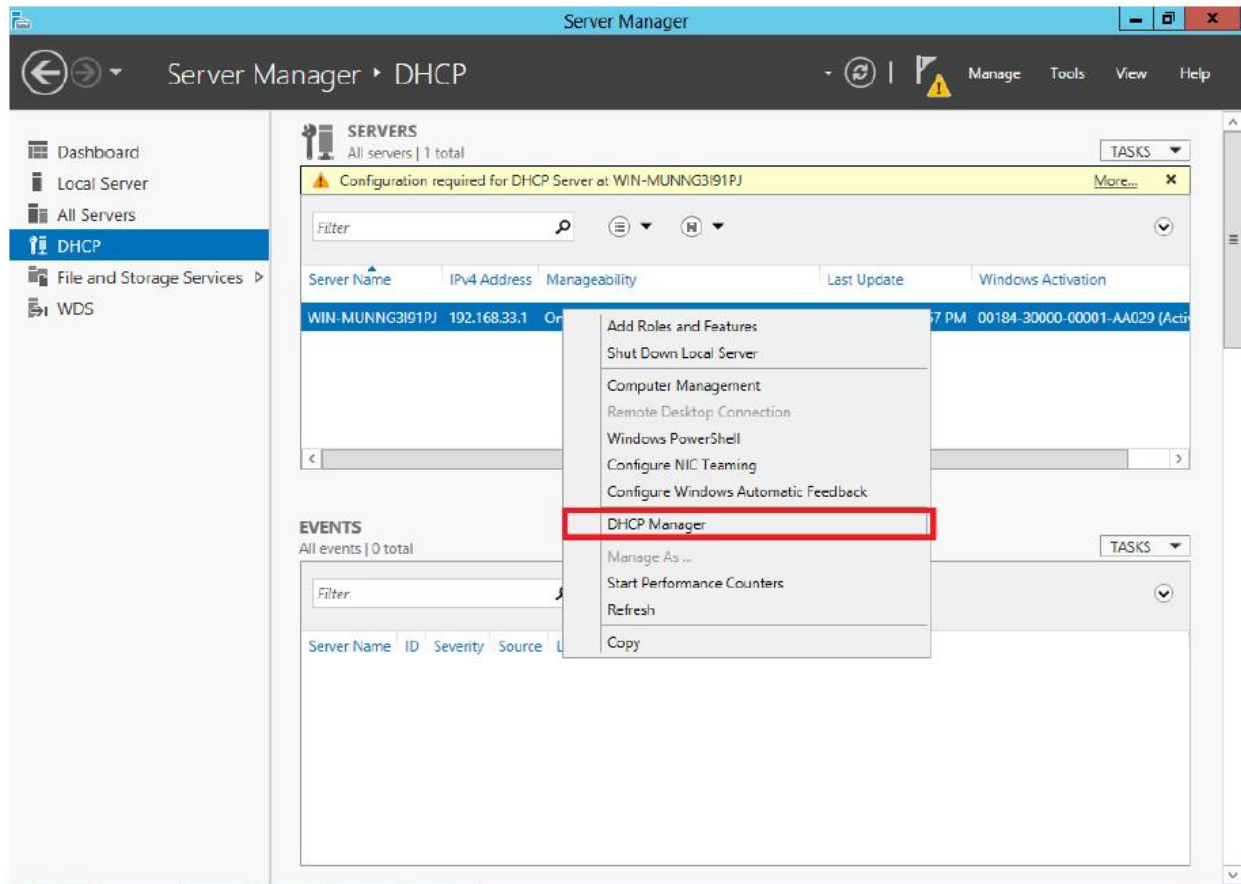
10.   Expand the tree on the left to show IPv4 and IPv6, right-click IPv4 and select New Scope.
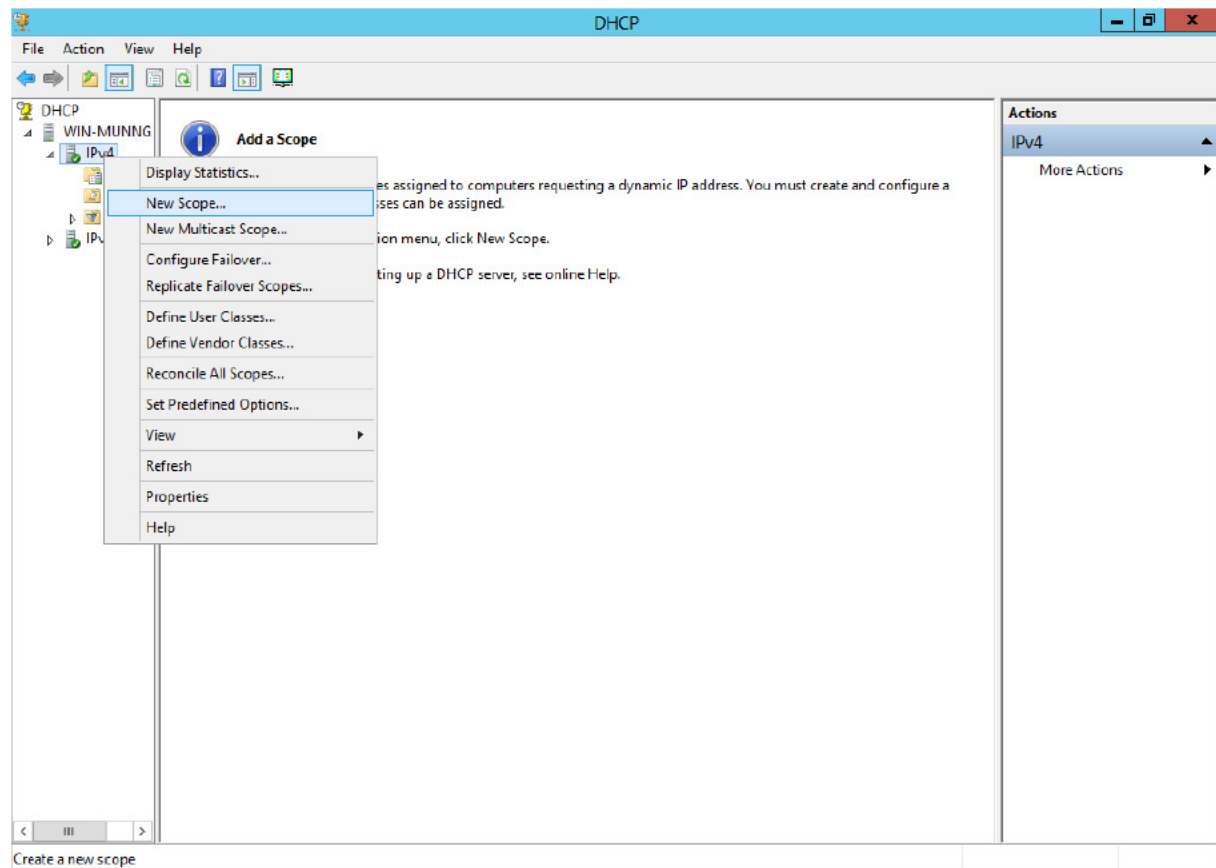
11. Enter a scope name and description and click next.

New Scope Wizard

Scope Name
You have to provide an identifying scope name. You also have the option of providing a description.

Type a name and description for this scope. This information helps you quickly identify how the scope is to be used on your network.

Name: diags.test

Description: for test

< Back | Next > | Cancel

12.   Enter the range of your DHCP addresses and click next.

New Scope Wizard

IP Address Range
You define the scope address range by identifying a set of consecutive IP addresses.

Configuration settings for DHCP Server

Enter the range of addresses that the scope distributes.

Start IP address: 192 . 168 . 33 . 2

End IP address: 192 . 168 . 33 . 254
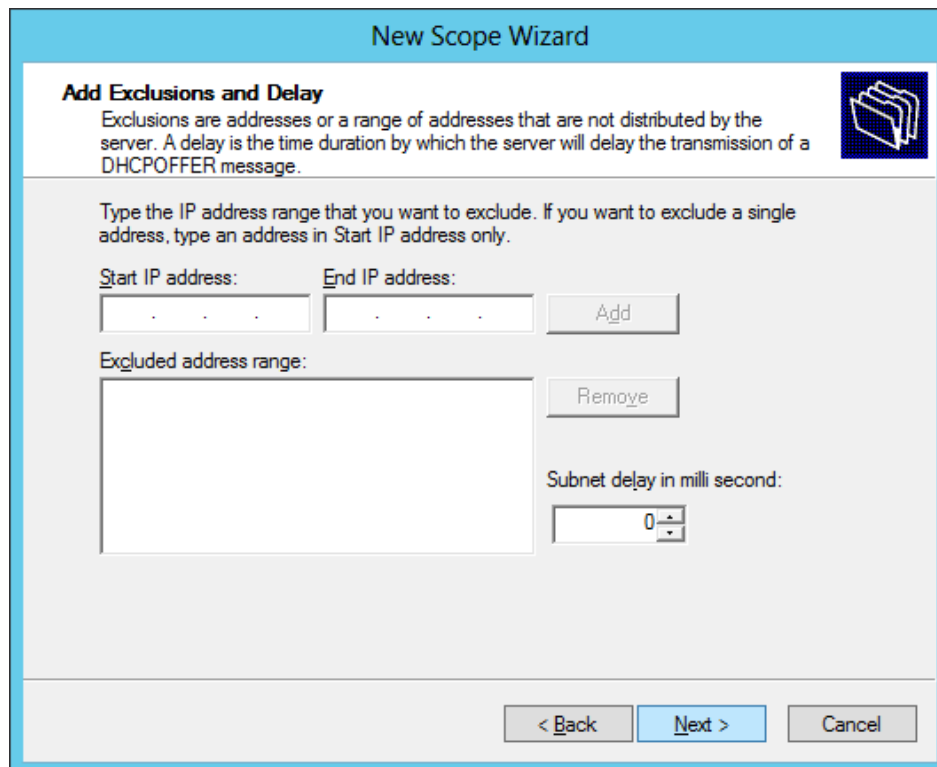
Configuration settings that propagate to DHCP Client

Length: 24

Subnet mask: 255 . 255 . 255 . 0

< Back | Next > | Cancel

13. There is no need for any exclusions in our configuration, click next.

14. Continue to configure the DHCP options now.

15. Enter the server's IP and click add, then click next.

16. Enter the server scope in the parent domain and enter the server IP and click next.

17.   Add the server IP in the in the WINS server IP and click next.

18.   Check "Yes, I want to activate this scope now" and click next.
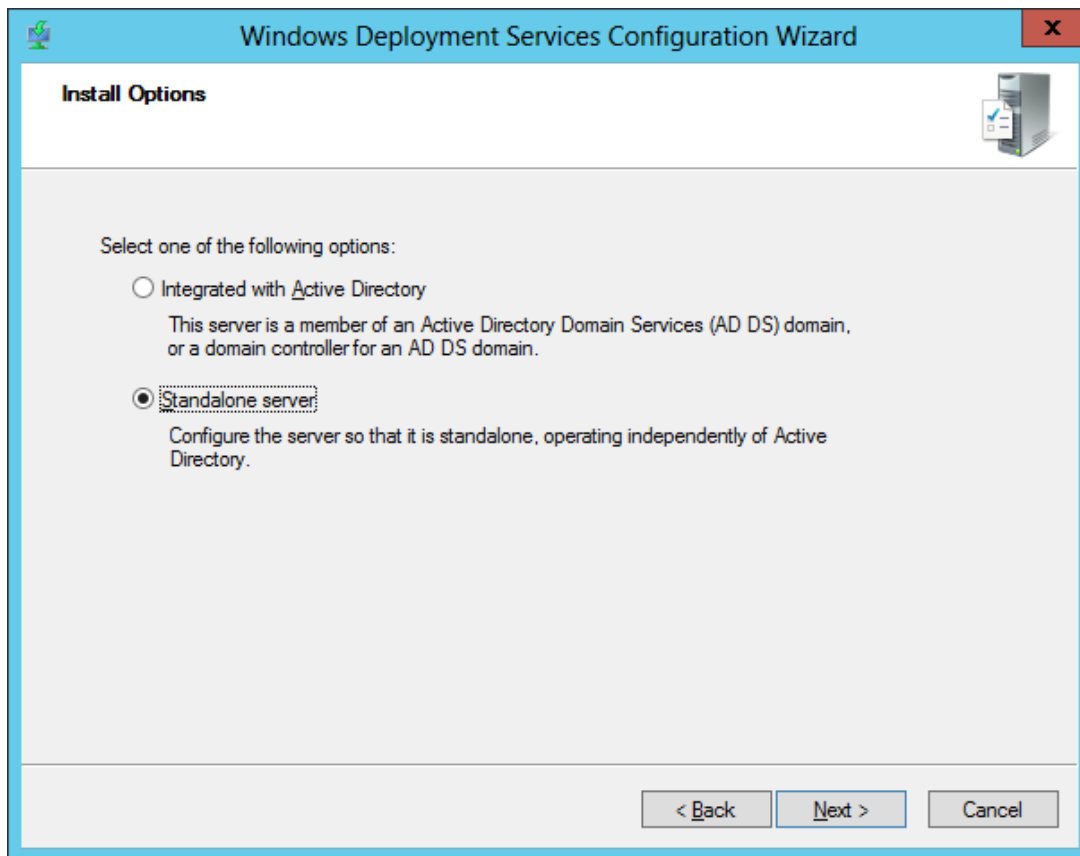

19.   Select WDS, select the server and click "Windows Deployment Services Management Console"
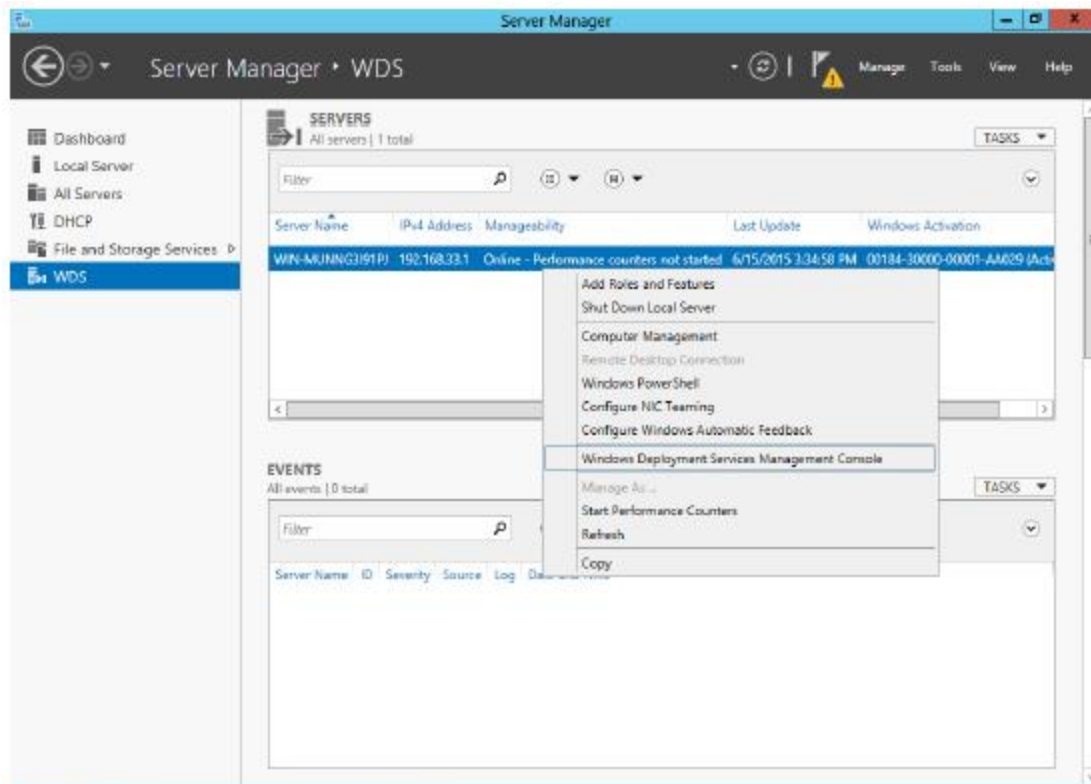
20. Expand the tree on the left and select Configure Server.
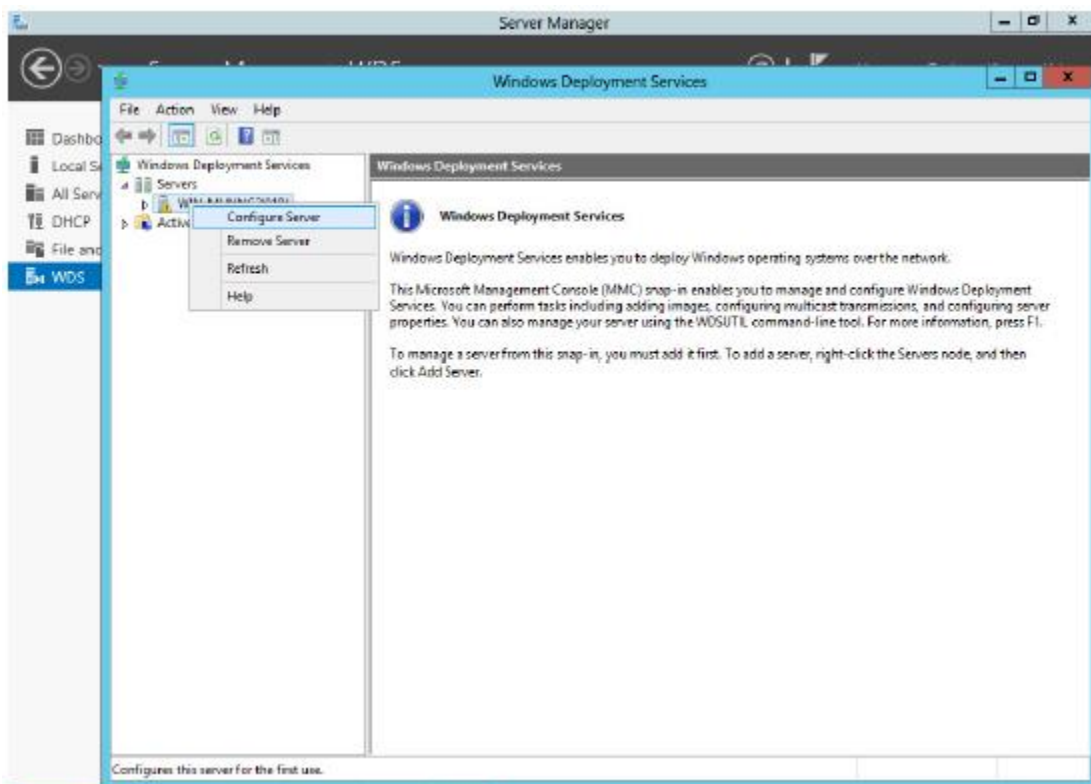
21. Select Standalone Server and click next.

Windows Deployment Services Configuration Wizard

Install Options

Select one of the following options:

○ Integrated with Active Directory

This server is a member of an Active Directory Domain Services (AD DS) domain, or a domain controller for an AD DS domain.

⦿ Standalone server

Configure the server so that it is standalone, operating independently of Active Directory.

< Back   Next >   Cancel

22.   Enter your Remote Installation directory, Windows recommends that the directory is a non-system disk and must be NTFS formatted. After choosing your location click next.
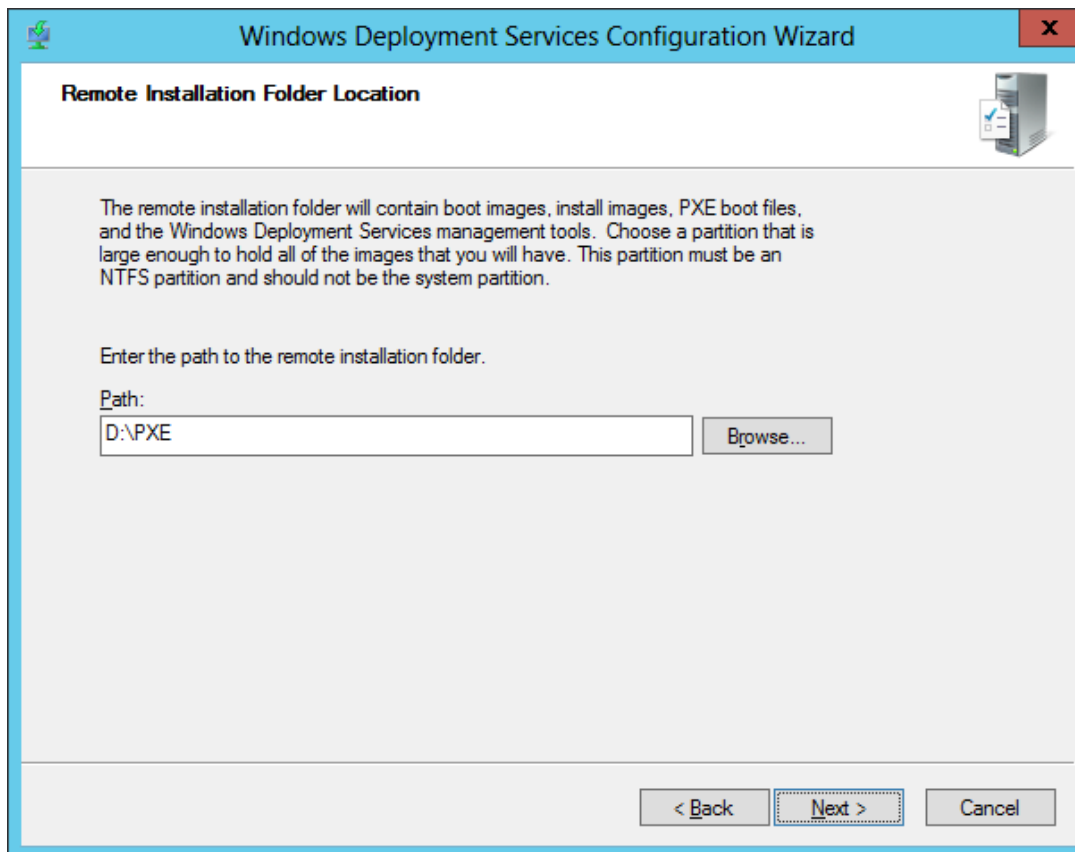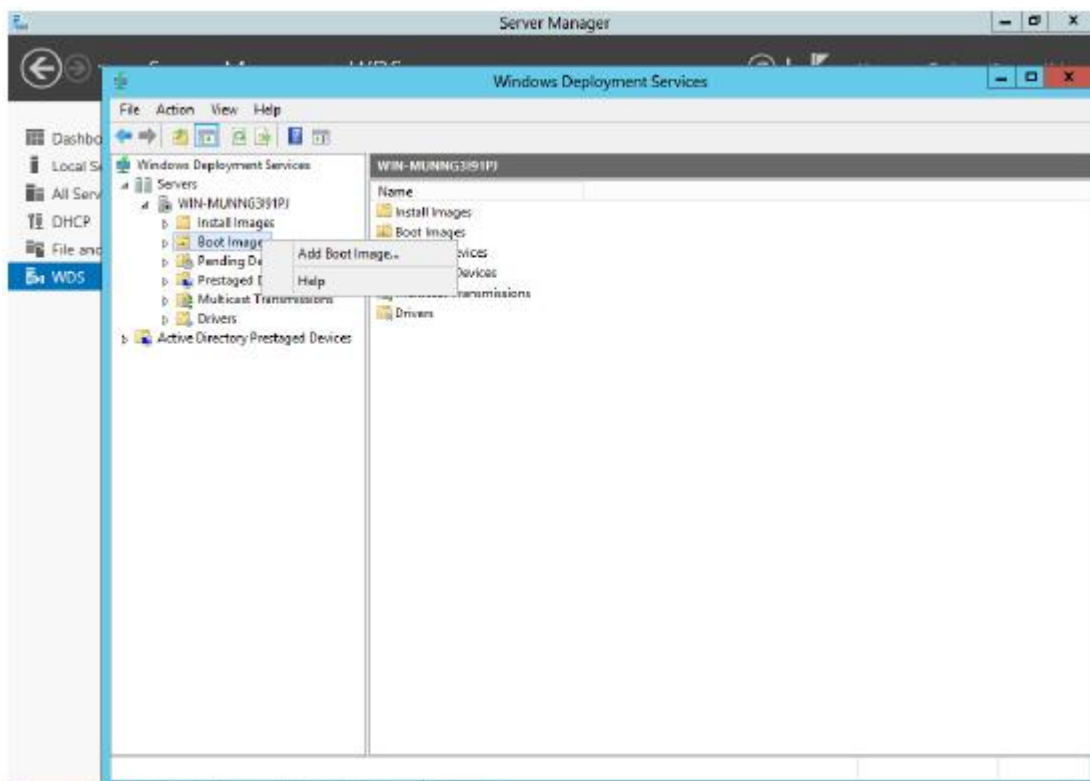
23.   Leave check both boxes "Do no Listen on DHCP and DHCPv6 ports" and "Configure DHCP options for Proxy DHCP". Click next.
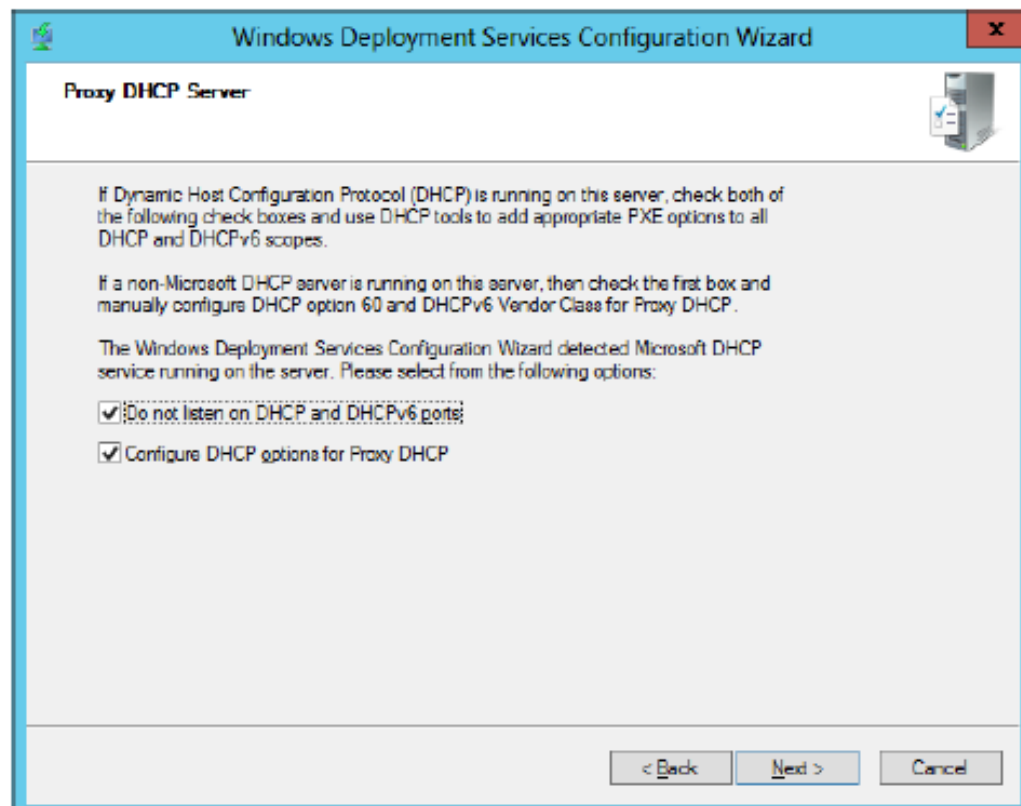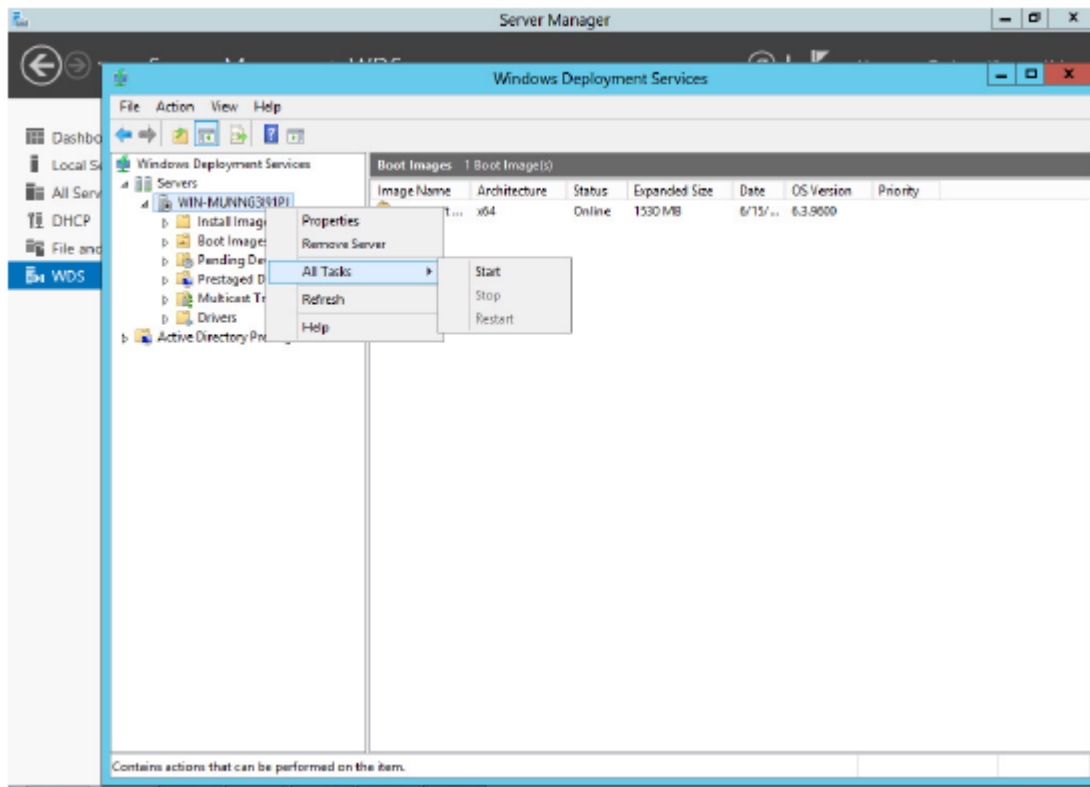
24.   Select "Respond to all client computers (known and unknown)" the click next.
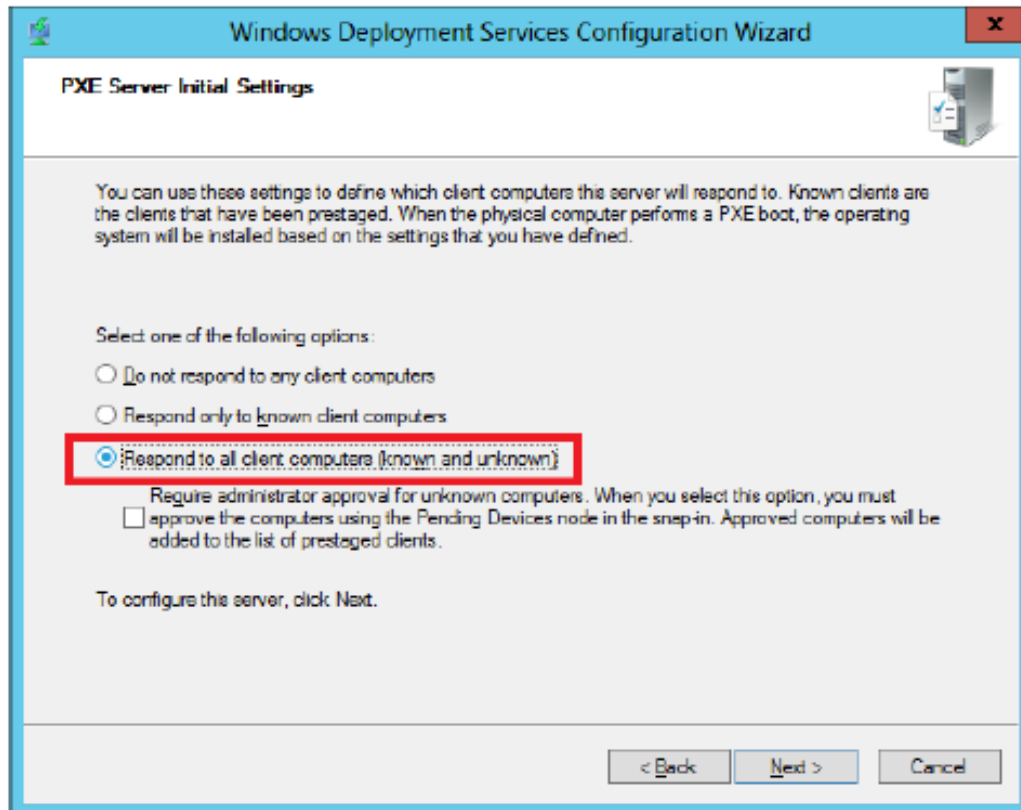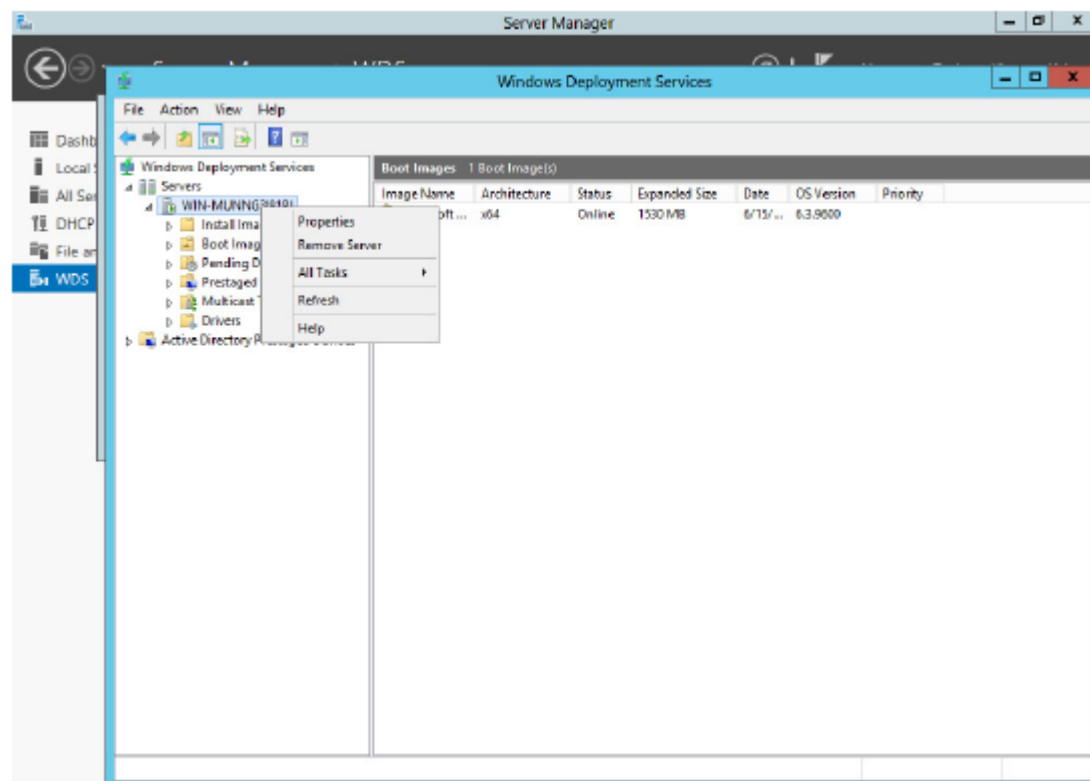

25.   Select Add Boot Image.

26.   Navigate to your boot.wim file location on your system image.

27.   Select your server, select all tasks and click start.

28.   Select your server and click properties.

29.   Select Boot and check "Continue the PXE boot unless the user presses the ESC key" for both known and unknown clients.