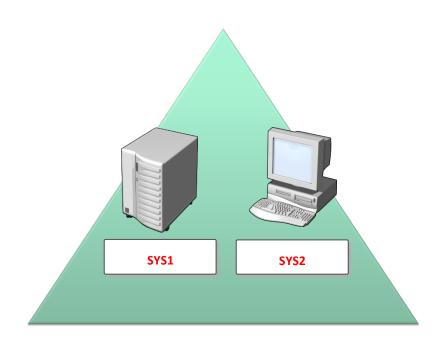
WINDOWS DEPLOYMENT SERVICES (WDS)

Prerequisites:

Before working on this lab, you must have

- A computer running windows 2012 server Domain Controller, DHCP with Scope,
 DNS with Services records.
- 2. A computer with or without any Operating system.



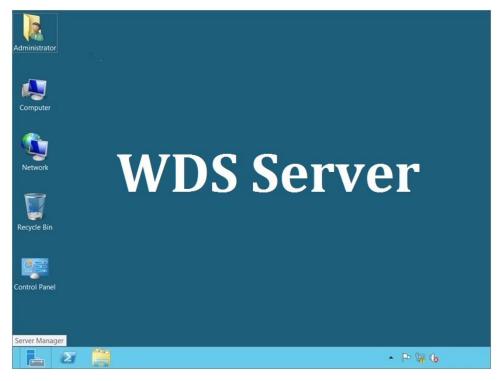
MICROSOFT.COM

SYS1		SYS2		
	Domain Controller / WDS Server		WDS Client	
	IP Address	10.0.0.1	IP Address	
	Subnet Mask	255.0.0.0	Subnet Mask	
	Preferred DNS	10.0.0.1	Preferred DNS	

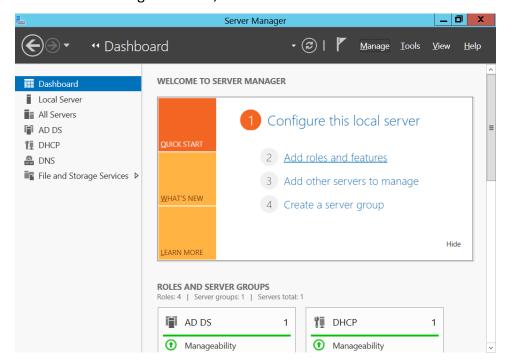
Lab - 1: Installing Windows Deployment Services

SYS1 – CONFIGURATION

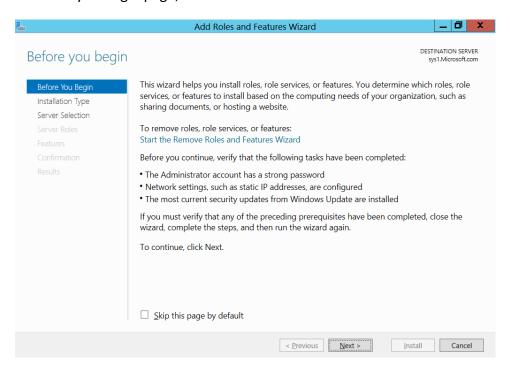
1. Go to Start, click Server Manager



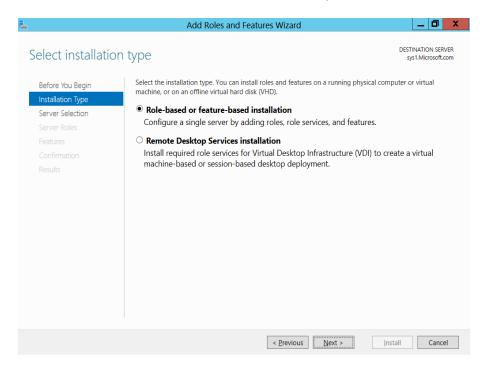
2. In the Server Manager Console, Select Add roles and features



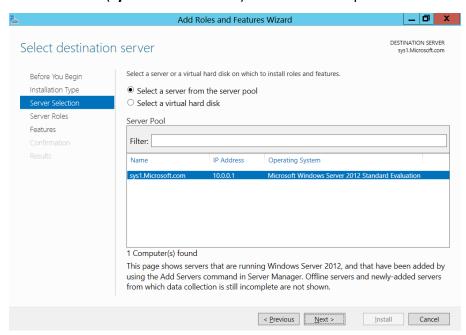
3. In Before you begin page, click Next.



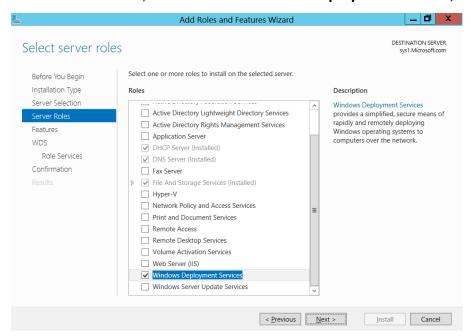
4. Select Role-based or feature-based installation, click Next.



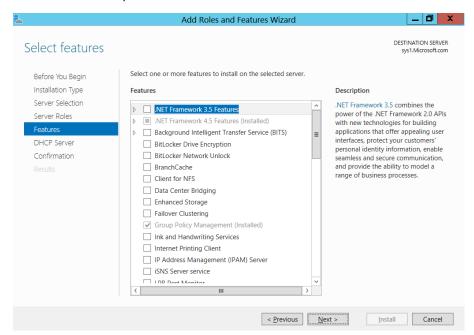
5. Select a server (**sys1.Microsoft.com**) from the server pool and click **Next**.



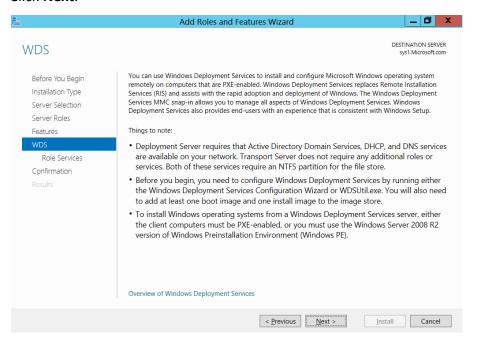
6. In select server roles, check the box Windows Deployment Services, click Next.



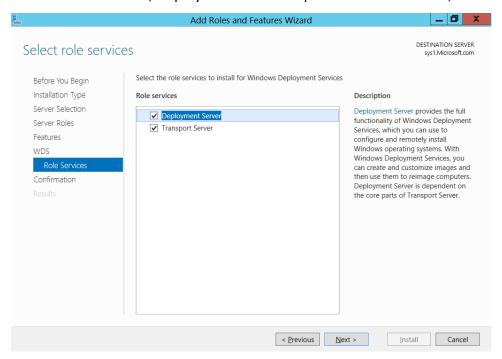
7. In select features, click **Next**.



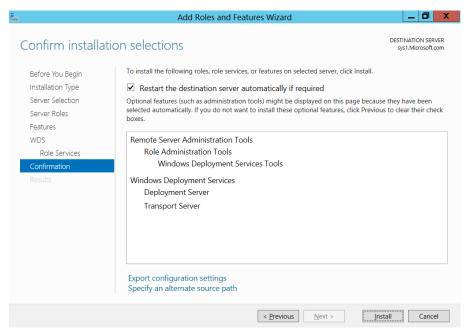
8. Click Next.



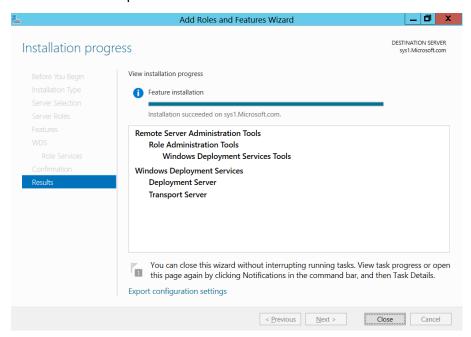
9. In Select role services, Deployment and Transport Server is selected, click **Next**.



10. Check Restart the destination server automatically if required and click Install.



11. Click Close to complete the Installation.



Note: SYS1 - CONFIGURATION

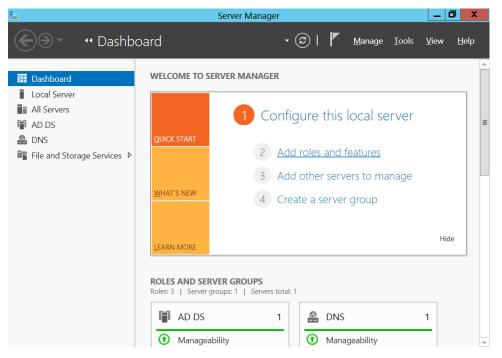
Install the DHCP Service (If not installed) and create a scope in the DHCP.

Give the range (10.0.0.10 - 10.0.0.100), and in the DHCP scope options mention the Domain name (Microsoft.com) and mention the DNS server IP address (10.0.0.1).

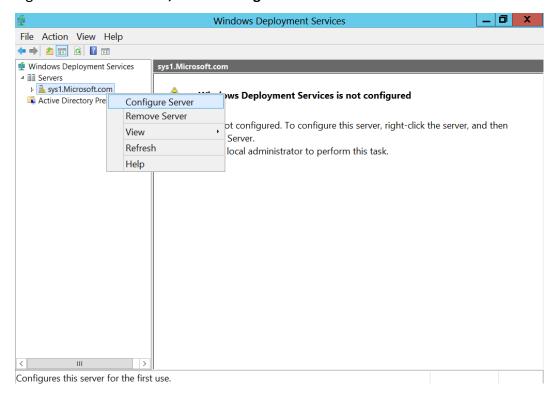
Lab – 2: Configuring Windows Deployment Services

SYS1 – CONFIGURATION

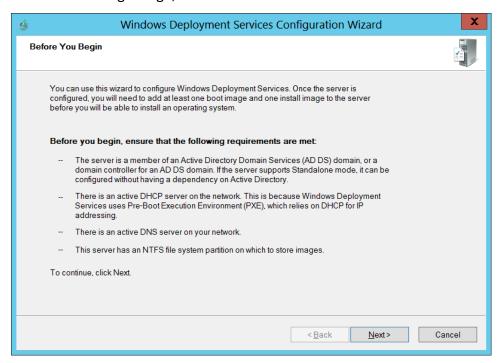
1. Go to Start, select Windows Deployment Services.



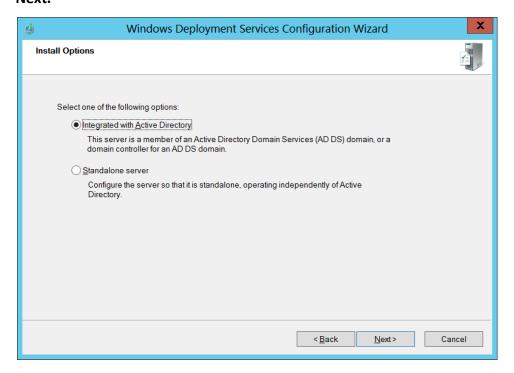
2. Right click Server Name, Select Configure Server.



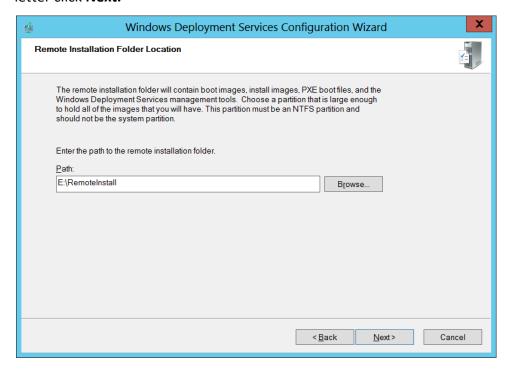
3. In Before You Begin Page, click Next.



In Install Options, in Domain Model select Integrated with Active Directory, click
 Next.

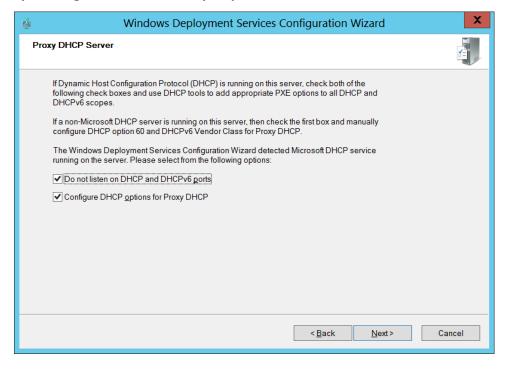


5. Browse and select any empty drive to store **Image Folder** (or) change the Drive letter click **Next.**



Note: If the WDS server is a DHCP server also then one more wizard will be displayed indicating that the WDS service should not listen on port 67.

So, we have to check the boxes, **Do not listen on port 67** and **Configure DHCP** option tag 60 in all DHCP scope options to PXE Client.



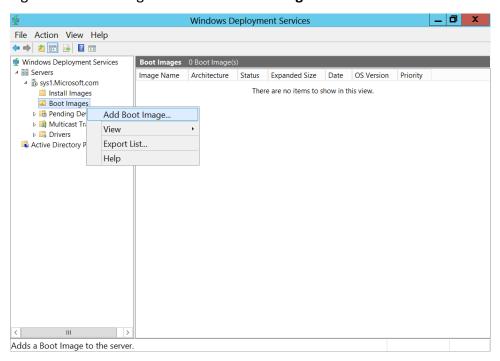
6. Select Respond to all Known and Unknown Client Computers, and click Next.



- 7. Wizard will Configure the WDS Server
- 8. Uncheck the box **Add Images** to Windows Deployment Server now, and **click**Finish.
- 9. **WDS** Server Service Configured Successfully and started.

Lab - 3: Adding Windows 2012 Boot Image to WDS Server

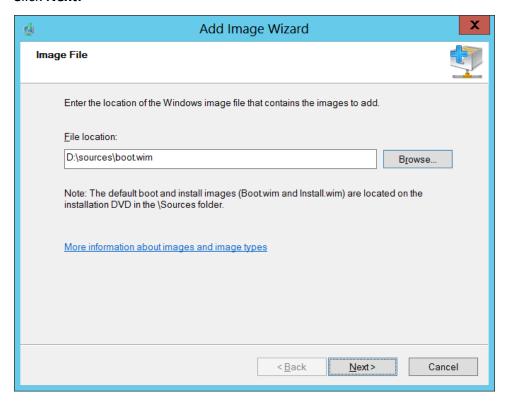
1. Right click Boot Images Select Add Boot Image.



2. Browse and Select boot.wim file from 2012 OS DVD (Ex: D:\Sources\boot.wim)



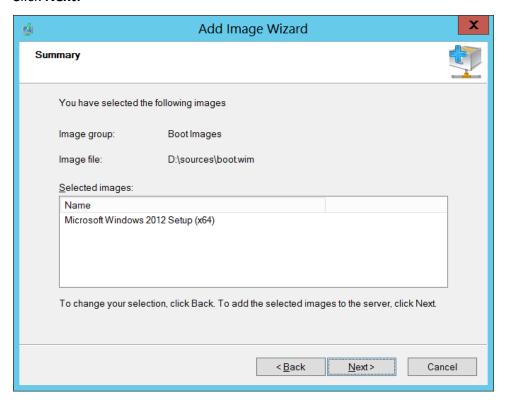
3. Click Next.



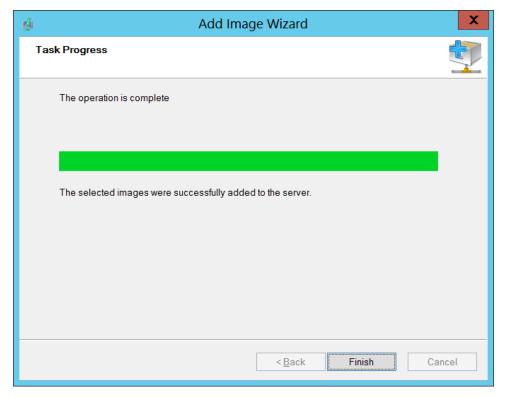
4. Give Name to image Ex: Windows Server 2012.



5. Click Next.

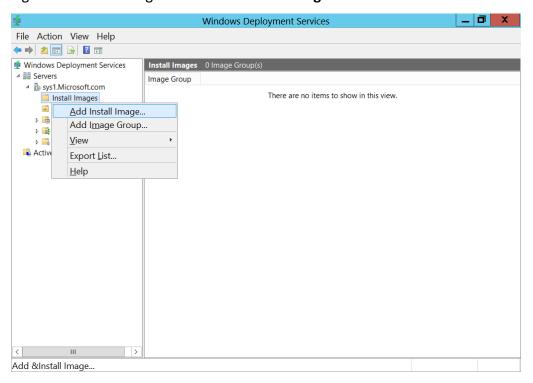


6. Image will be added → click **Finish.**

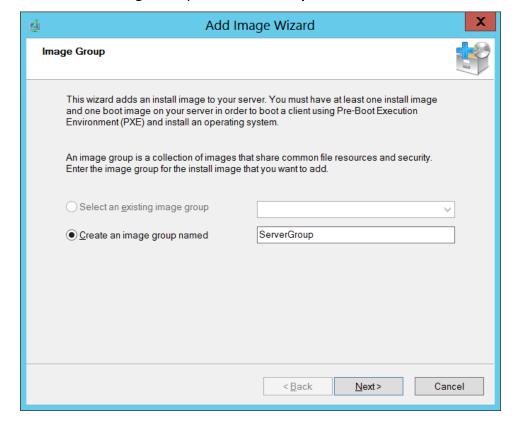


Lab - 4: Adding Windows2012 Install Image to WDS Server

1. Right click Install Images Select Add Install Image.

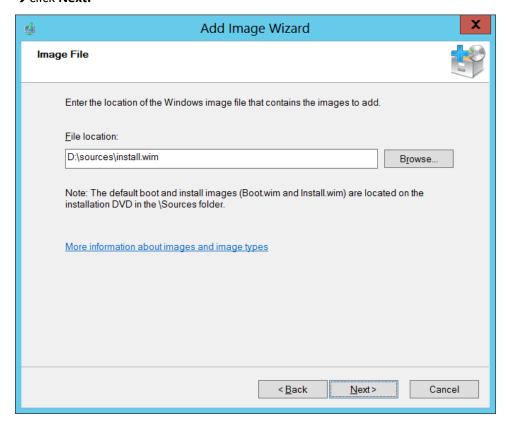


2. Give Name to Image Group Ex: Server Group and click Next.

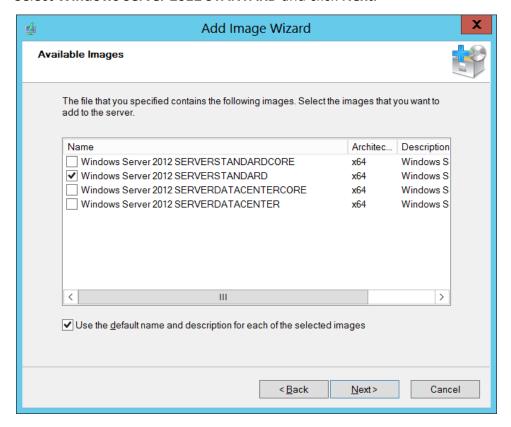


3. Browse and select Install.wim file from 2012 OS DVD (Ex: D:\Sources\install.wim)

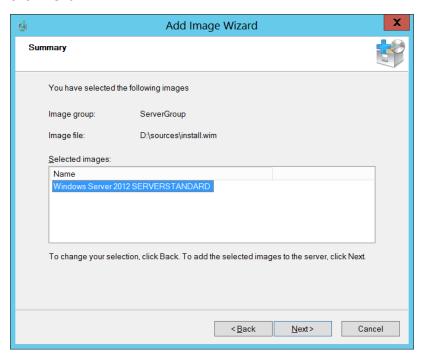
→ click Next.



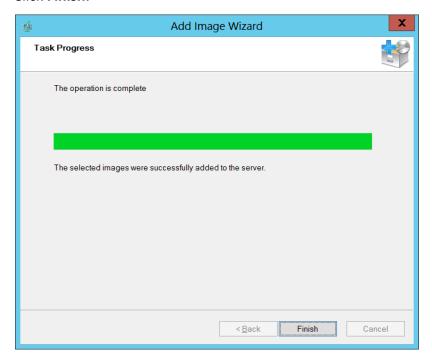
4. Select Windows Server 2012 STANTARD and click Next.



5. Click Next



6. Click Finish.



Verification:

- Boot the Client system with PXE NIC Card
- 2. Press **F12 key** when prompted to start the **Installation**.
- 3. Then mention the **Administrator** Credential.
- 4. Select the Operating System which you want to install.
- 5. Select the Partition to install the O.S and follow the instructions.