

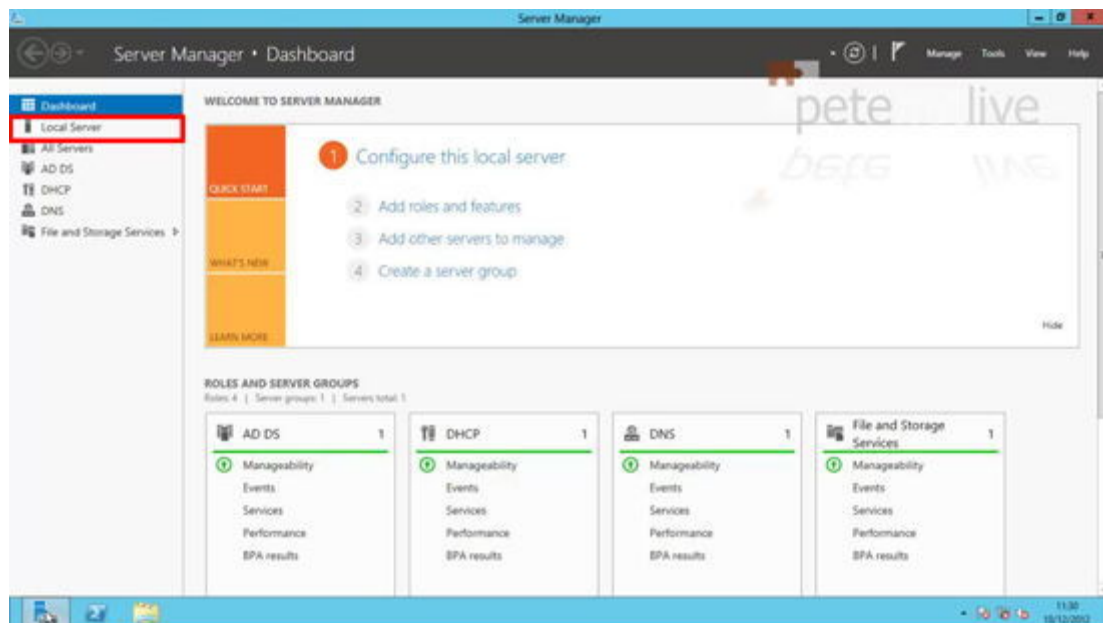
Problem

You want to deploy the Windows 8 Client Operating System, to a number of clients using [WDS](#). In this part we will configure the [WDS](#) Server, then we will move onto taking an image of your reference Windows 8 machine. Finally we will cover taking that image, and deploying it out to many target systems.

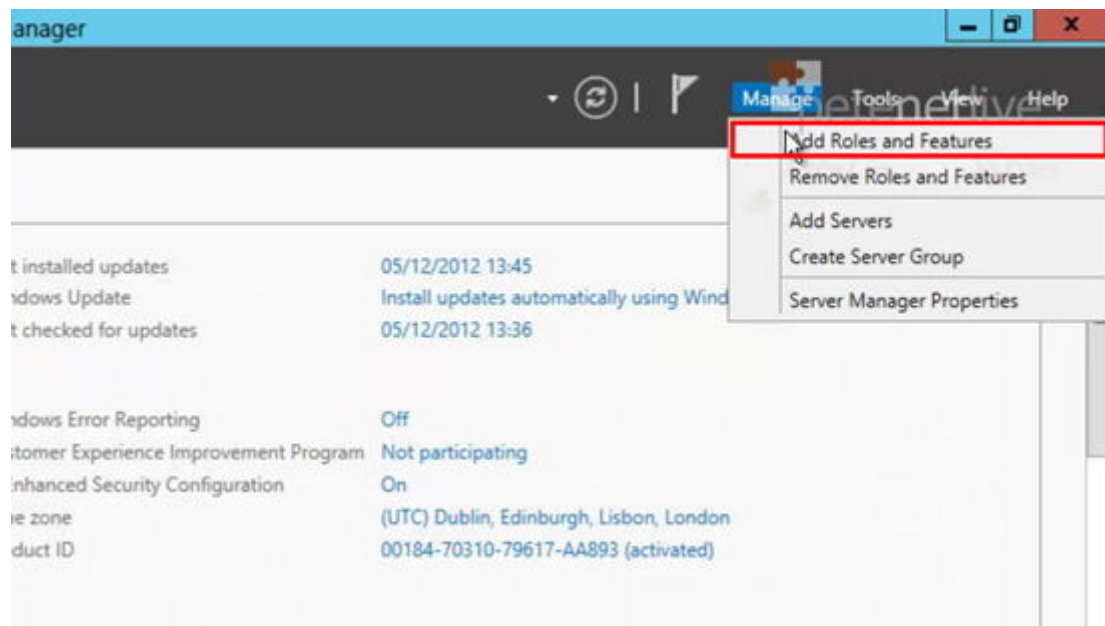
Solution

Add the WDS Role

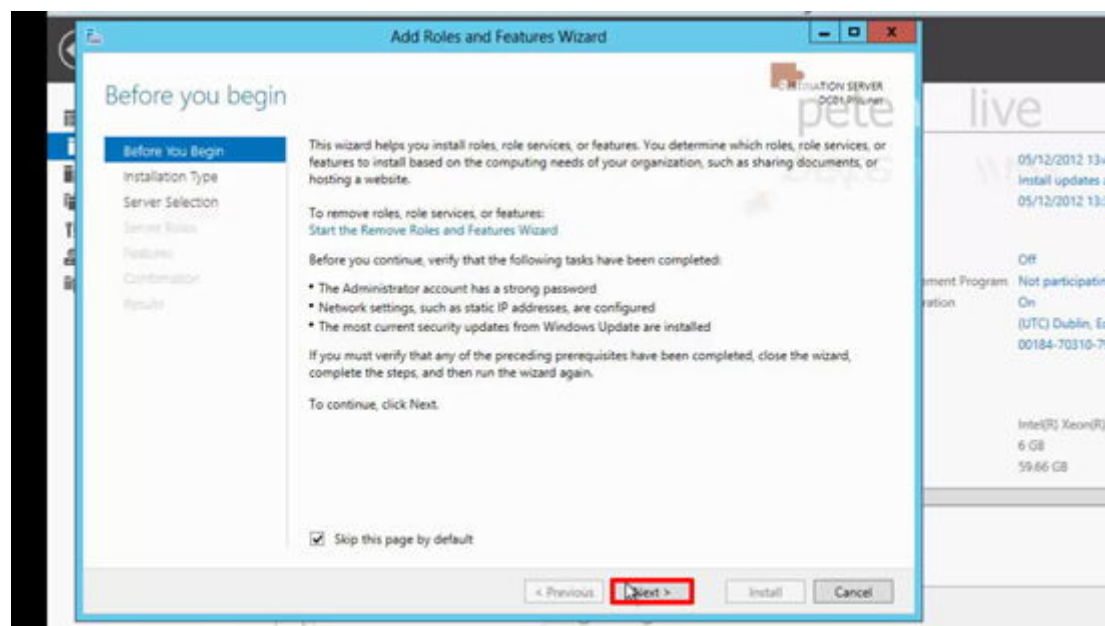
1. From Server Manager (ServerManager.exe) > Local Server.



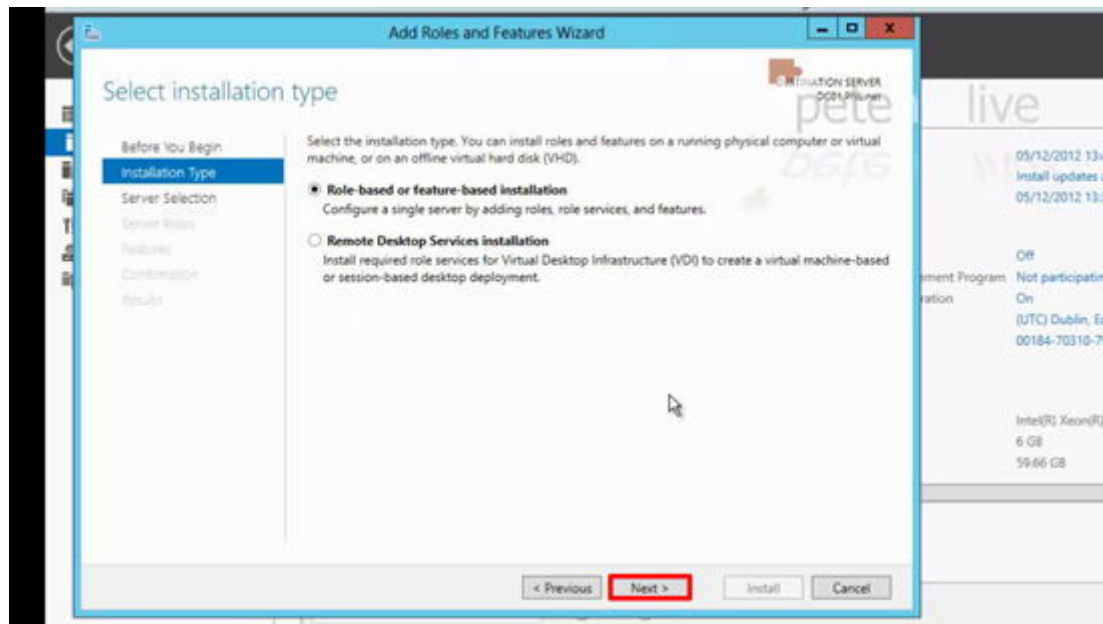
2. Manage > Add Roles and Features.



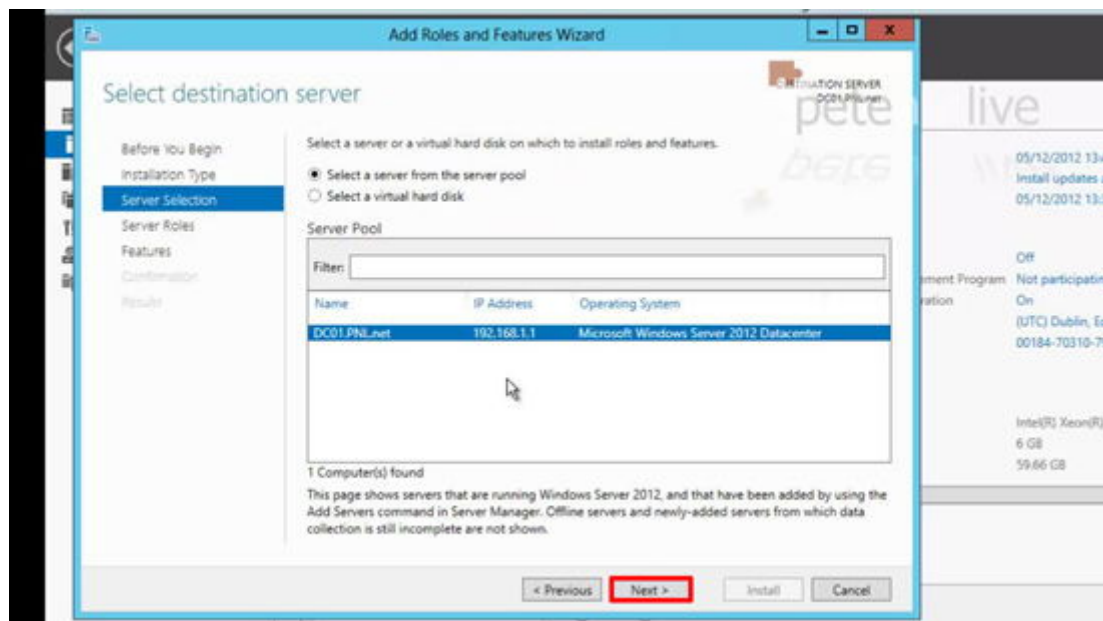
3. Next.



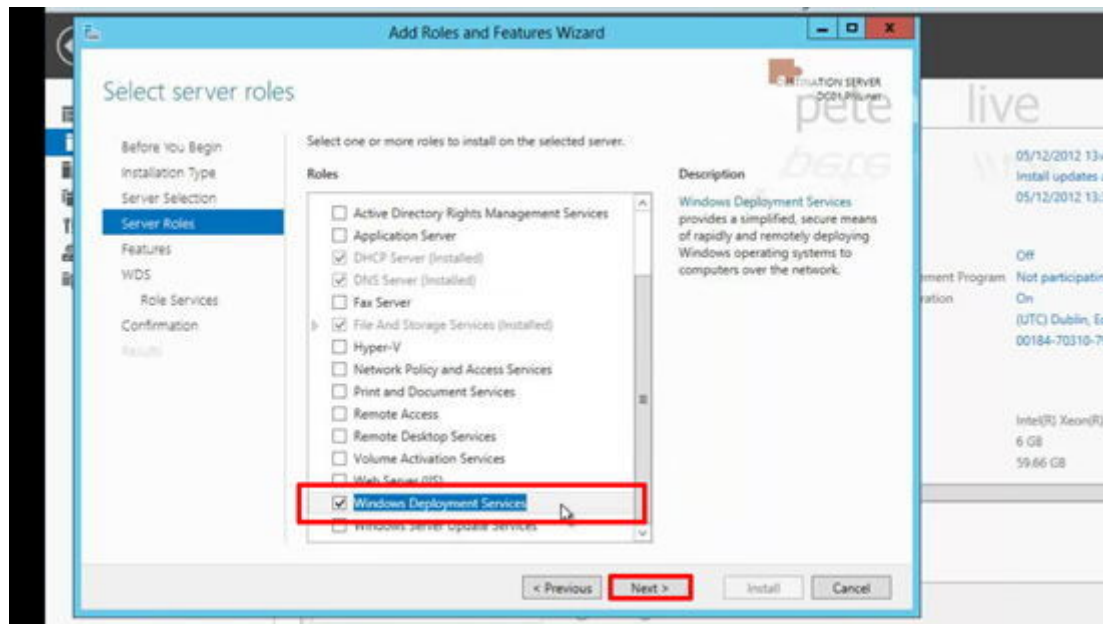
4. Next.



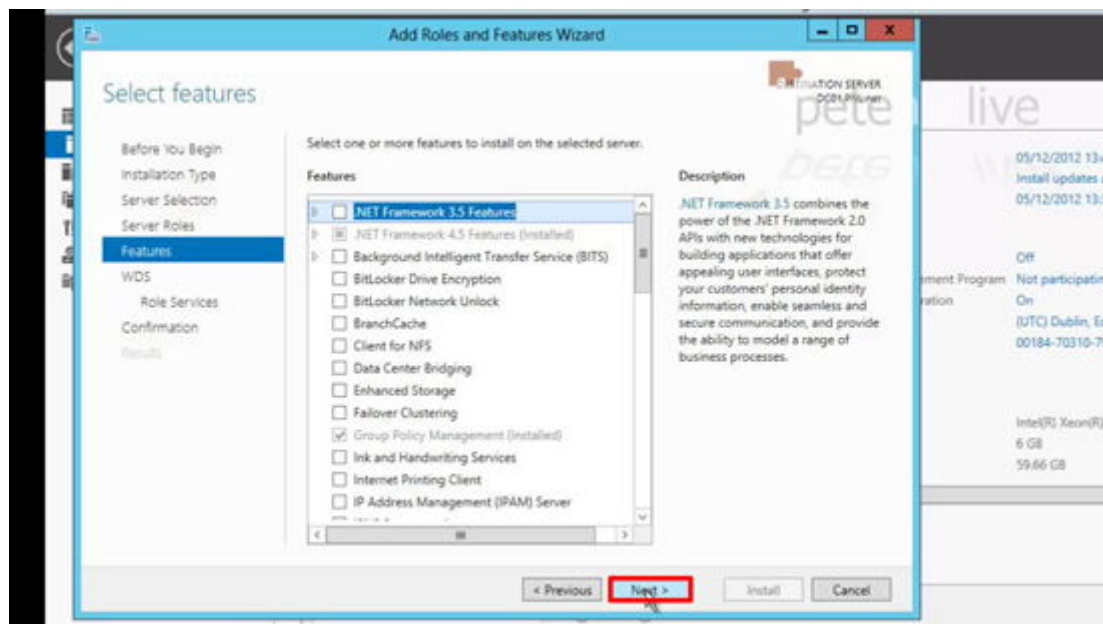
5. Next.



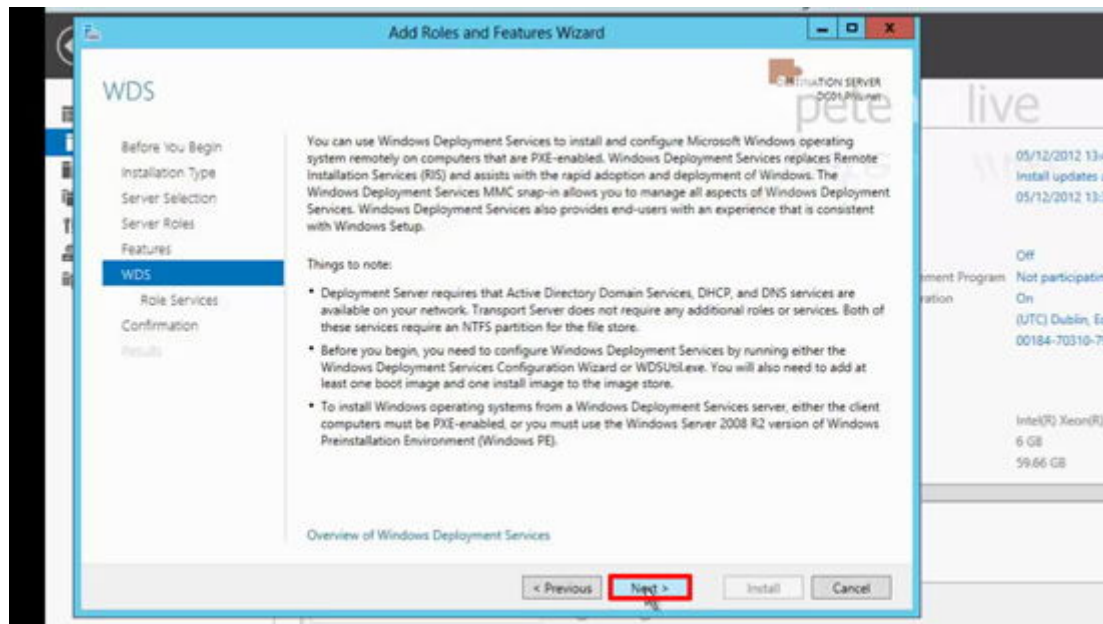
6. Select 'Windows Deployment services' > Next > It will ask to install some other features let it do so.



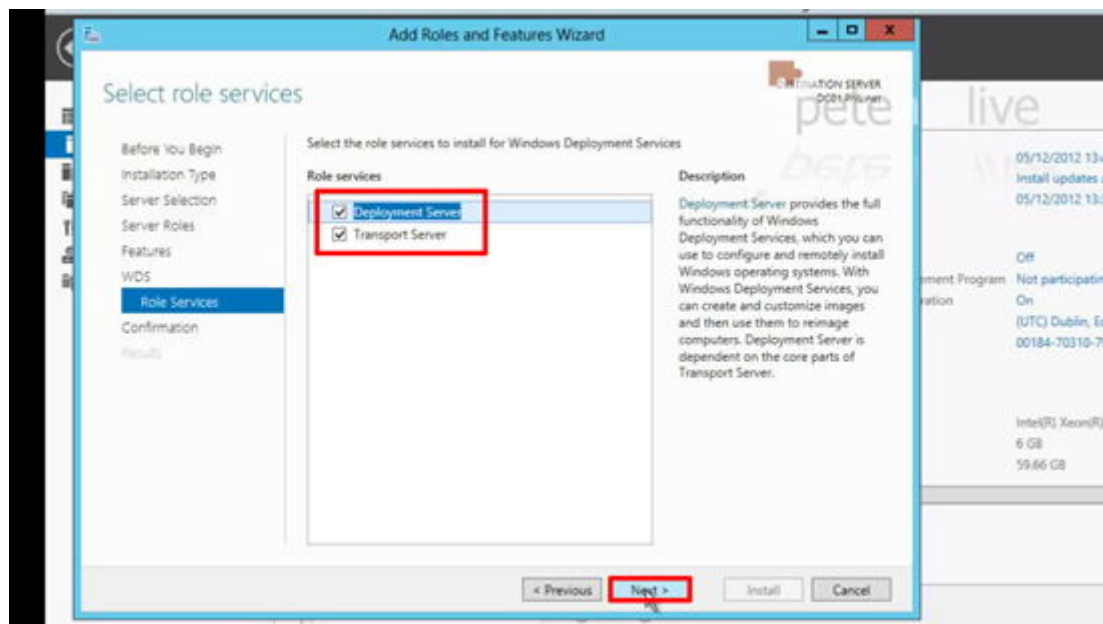
7. Next.



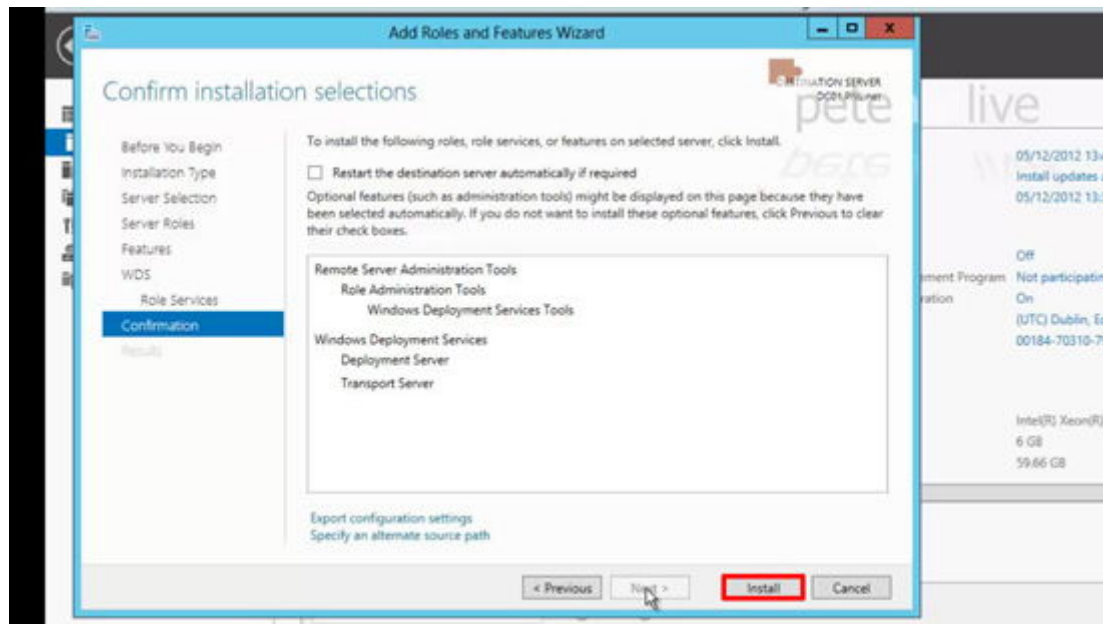
8. Next.



9. Accept the default (both roles) > Next.

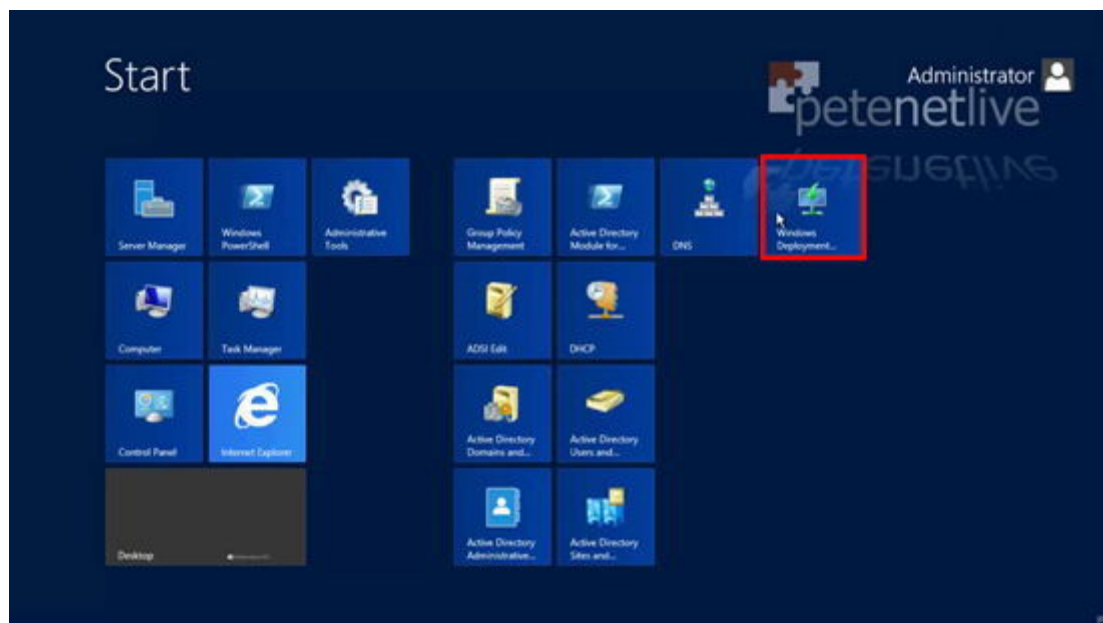


10. Install.

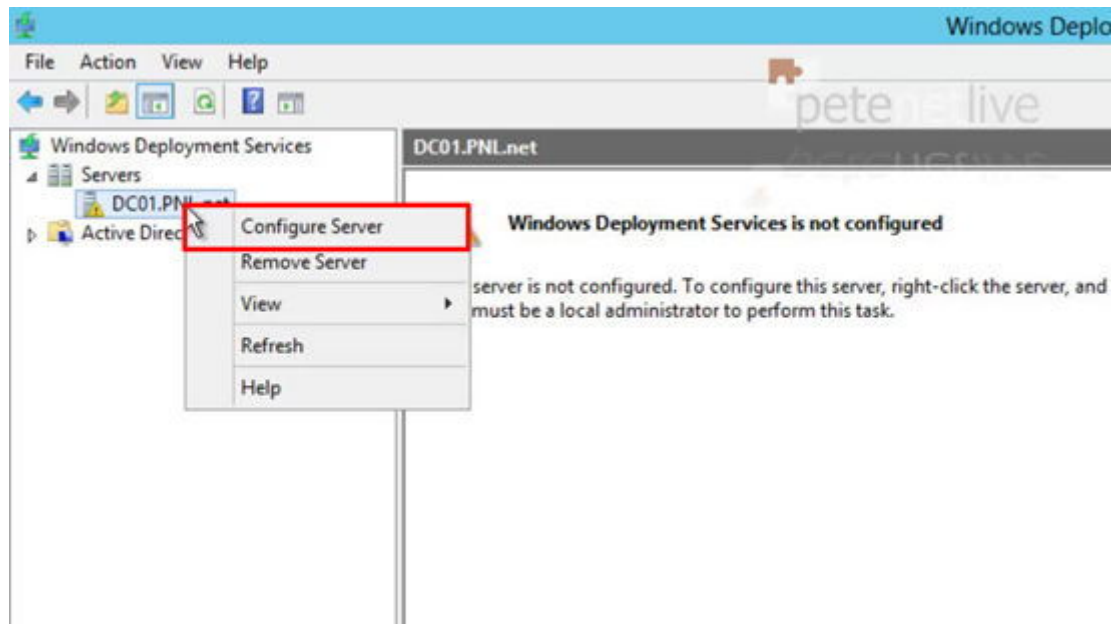


Configure the WDS Server

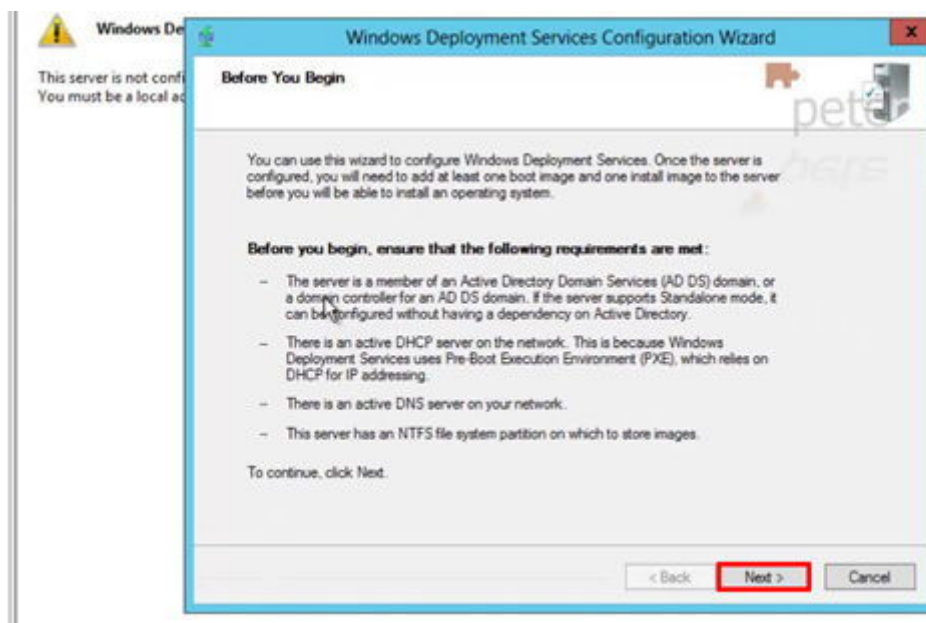
11. From the Start menu > Launch the Windows Deployment Services management console.



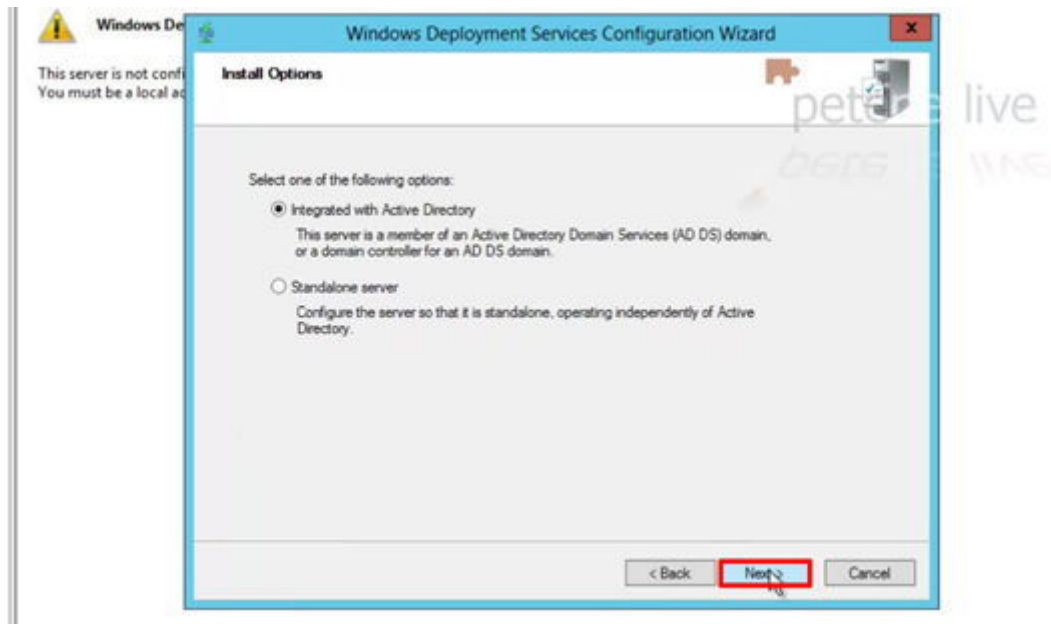
12. Expand servers > Right click the server name > Configure Server.



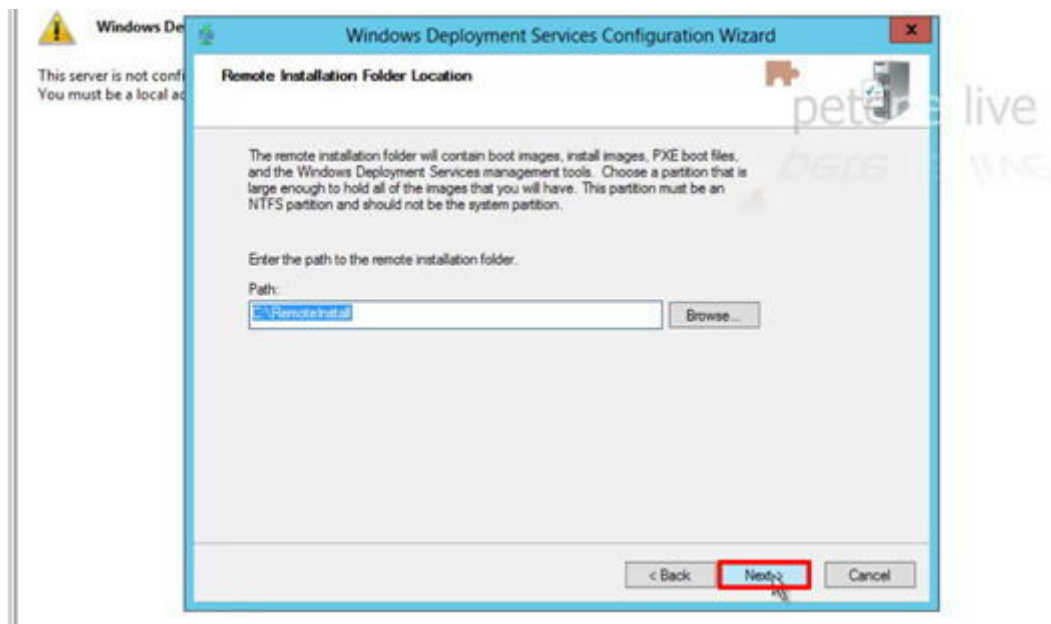
13. Read the prerequisites > Next.



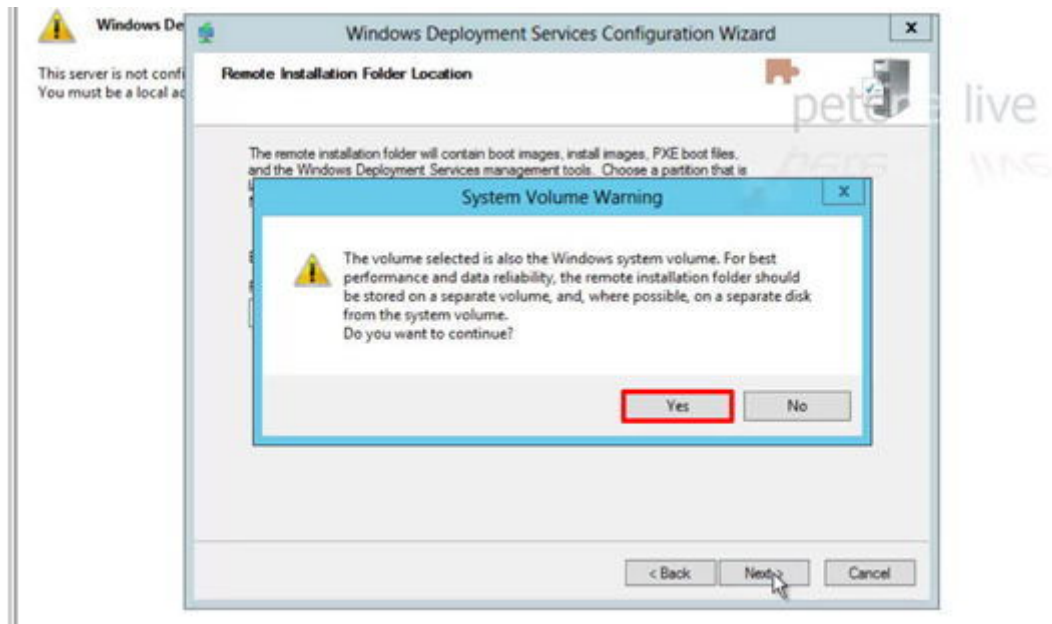
14. Next.



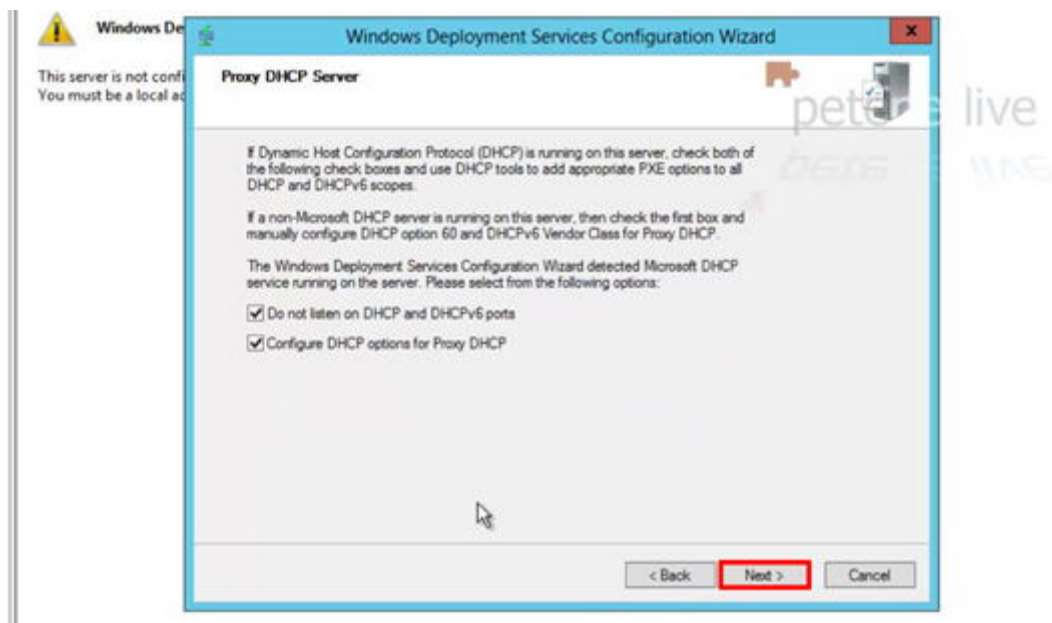
15. Select the location where you want to store your images and keep the [WDS](#) files.



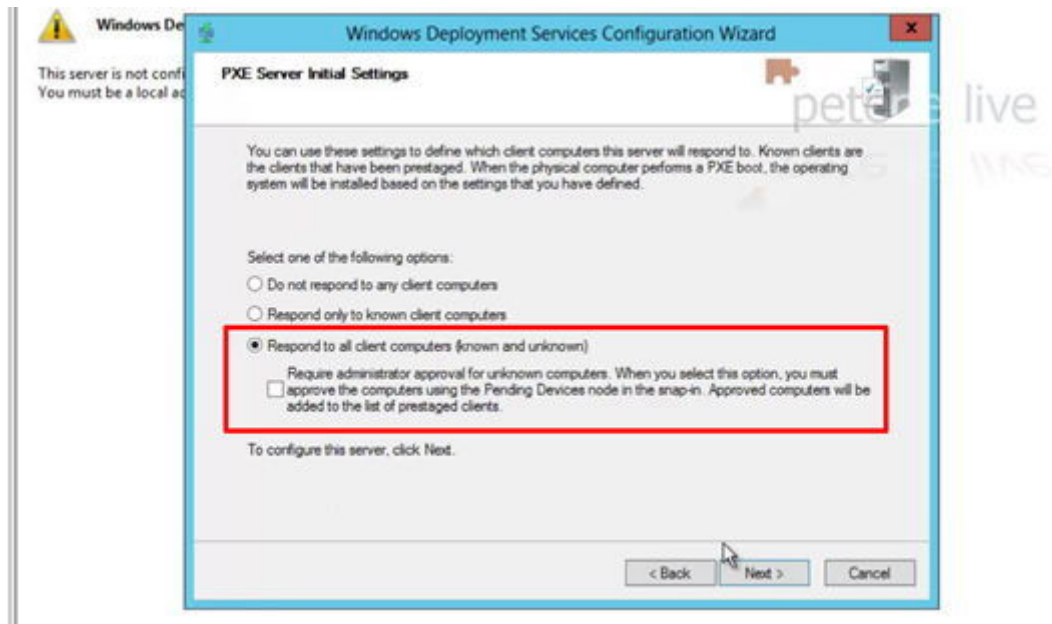
16. **Note:** In this case it's warning me **NOT** to use the C: drive, as this is just a test server I will accept the warning and leave it as it is. **In production environments** make sure you are using a different drive/volume.



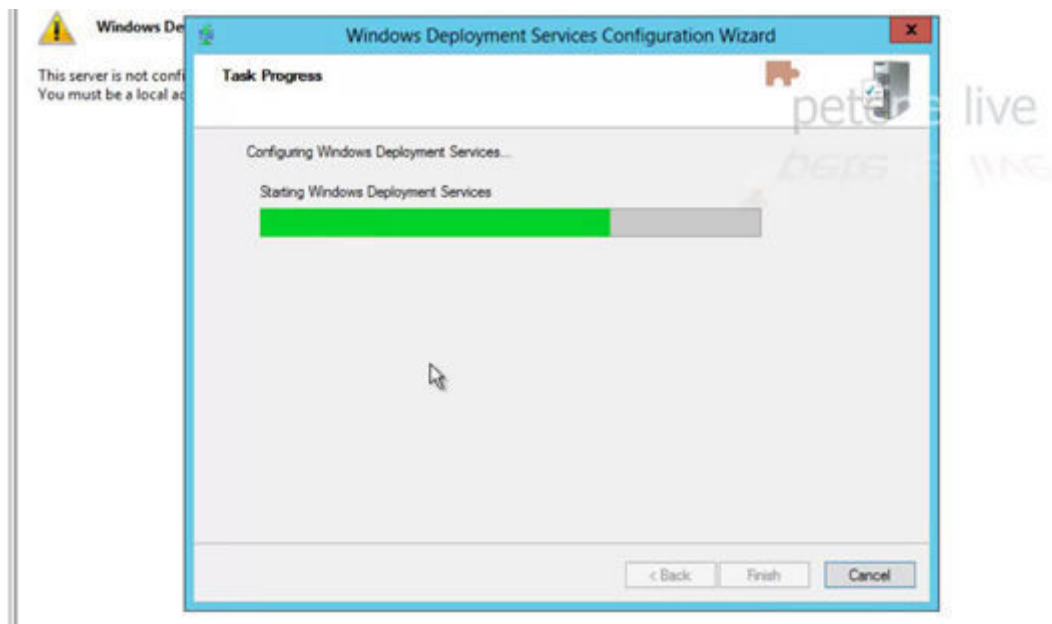
17. This particular server **IS** a [DHCP](#) server, but we will address the [DHCP](#) requirements when we are finished > Next.



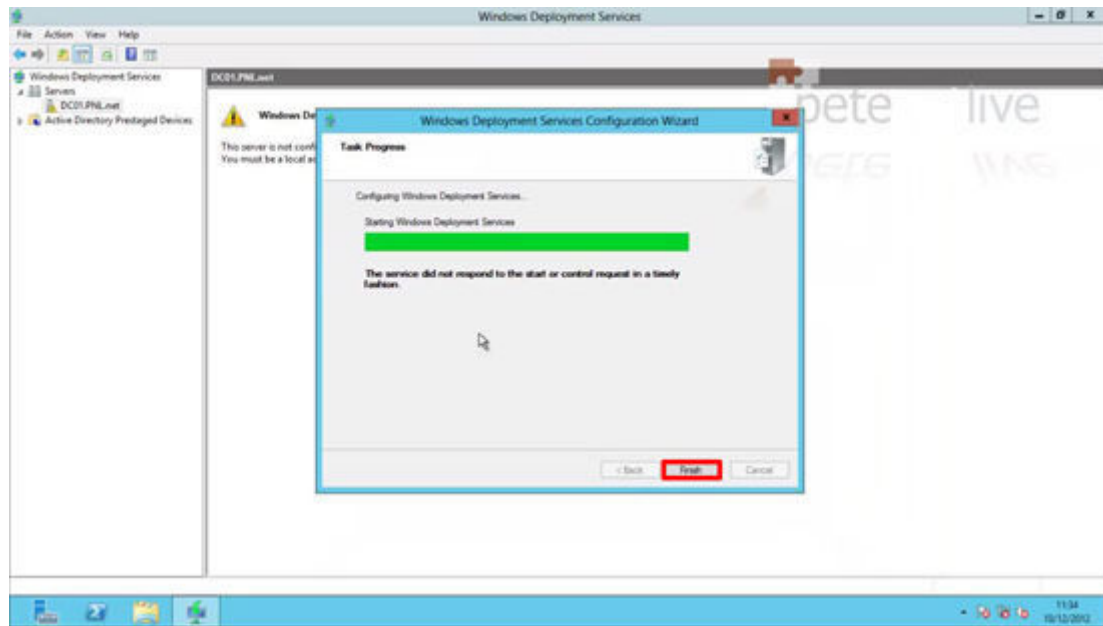
18. I'm going to choose 'Respond to all (known and unknown)' > Next.



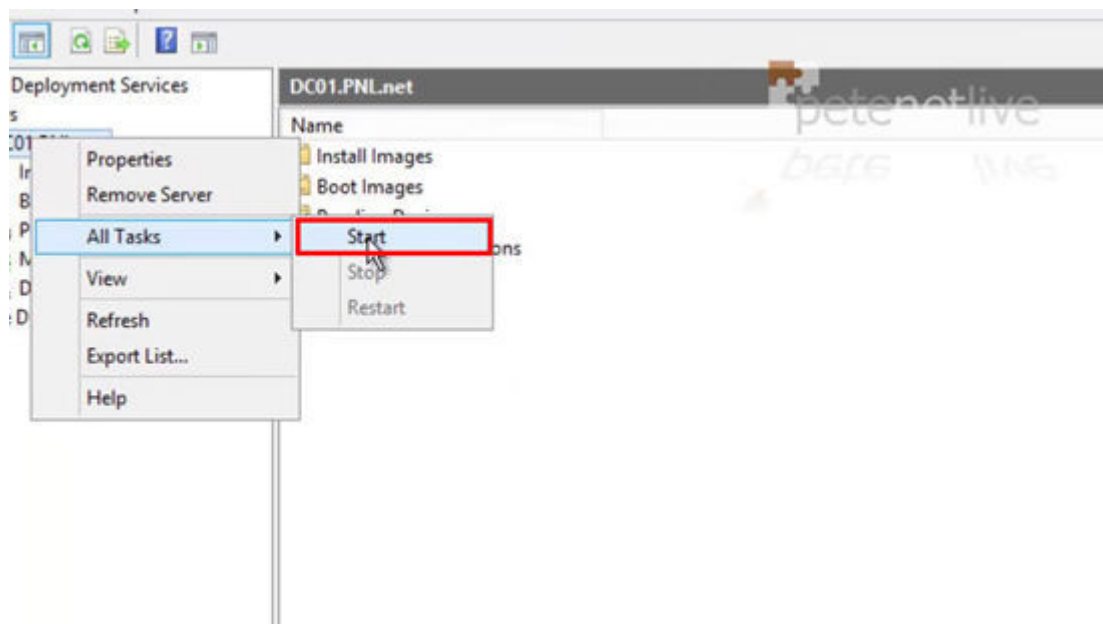
19. [WDS](#) should configure and the service **SHOULD** start.



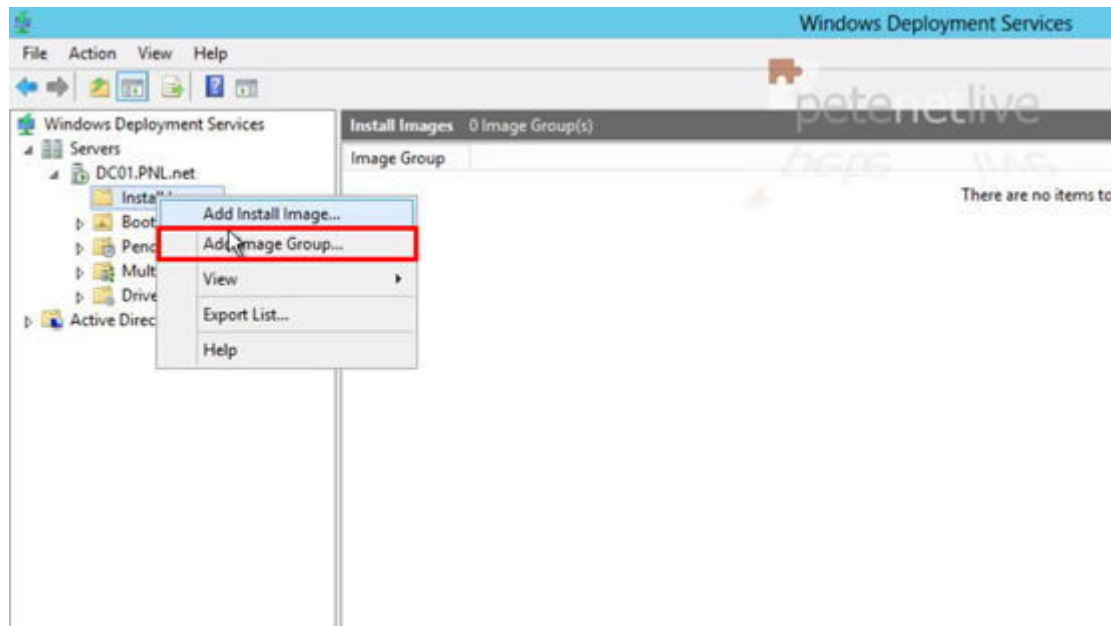
20. Here we can see the service has not started (the server will have a small stop symbol on it).



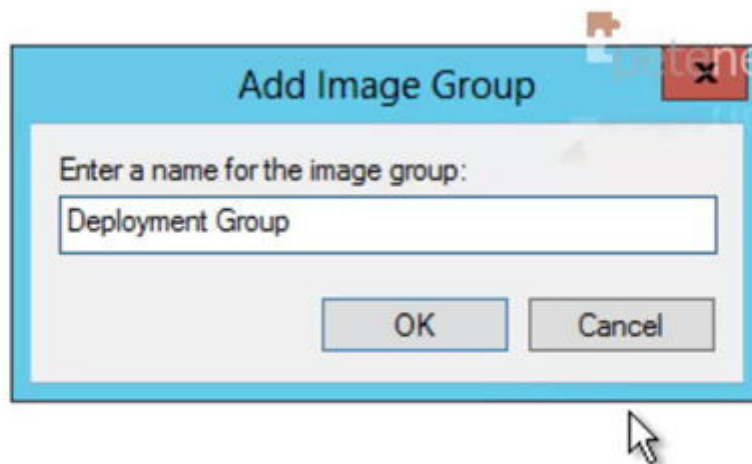
21. So I need to manually start the service.



Adding Image Groups and Images 22. Firstly I'm going to create an group that will hold all my Windows 8 Client machine images. Right click Install Images > Add Image Group.

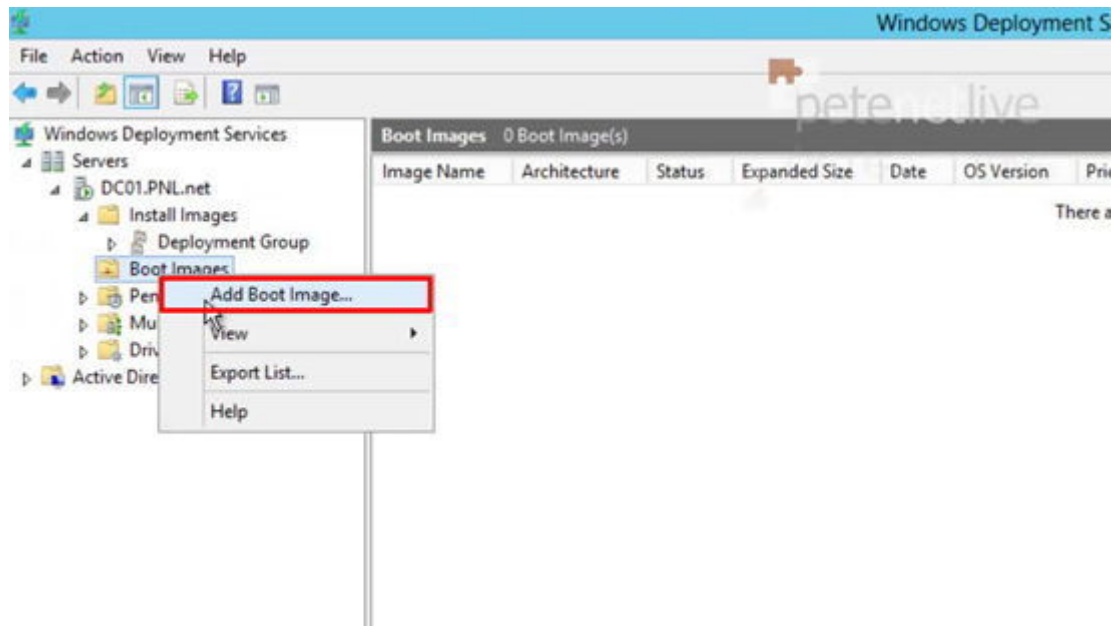


23. Give it a name > OK.

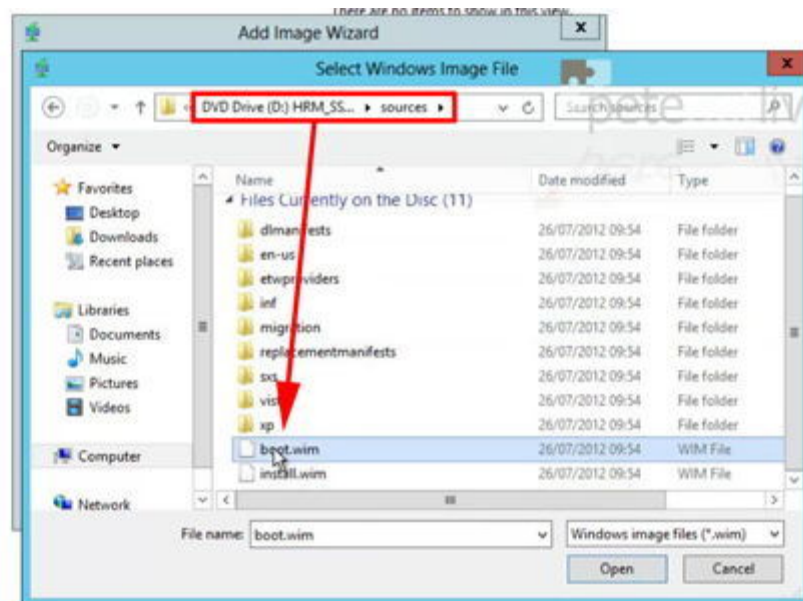


Adding a boot image (To send an image to a remote machine)

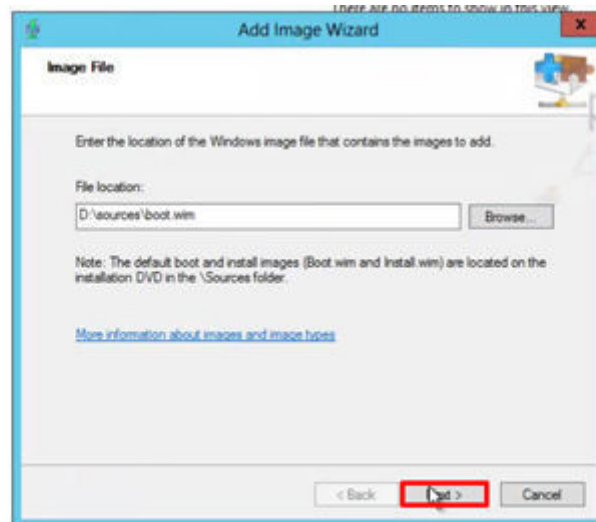
24. Now I need to add a boot image, so I can boot my remote clients from the [WDS](#) server and use this image to load WindowsPE on them, so they can be imaged. Right click Boot Images > Add Boot Image.



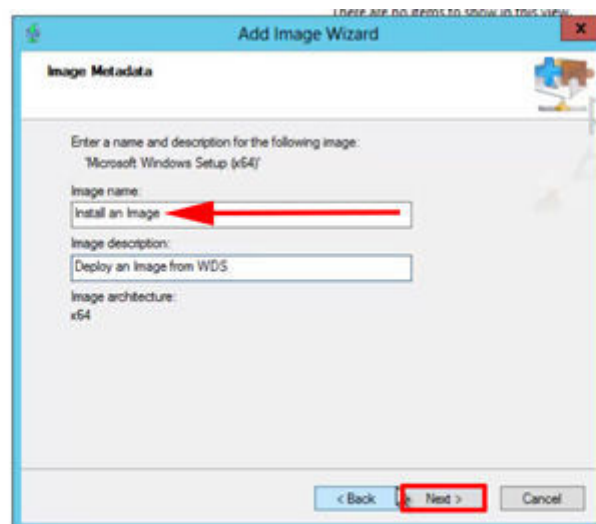
25. You can use either a Windows 8 [DVD](#) or a Windows Server 2012 [DVD](#), you will need to navigate to the sources directory, and locate Boot.wim > Open.



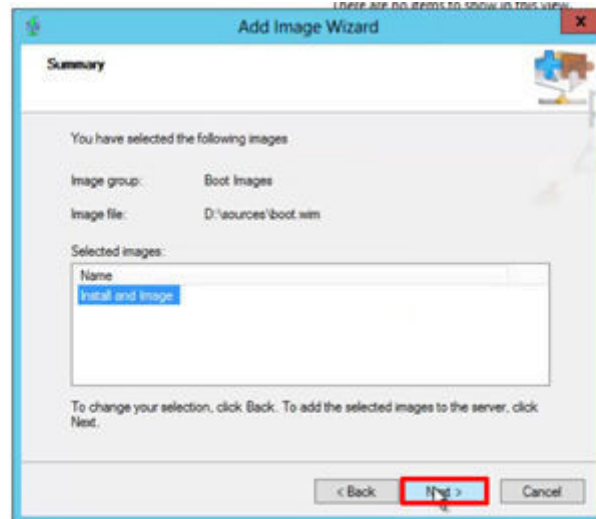
26. Next.



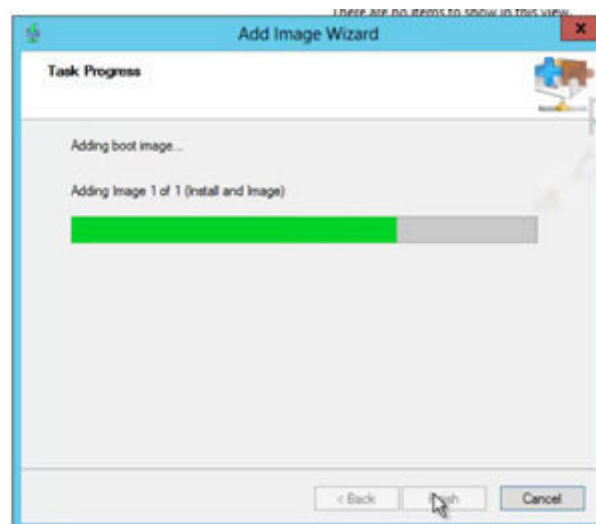
27. Rename the image 'Install an Image' > Enter a description > Next.



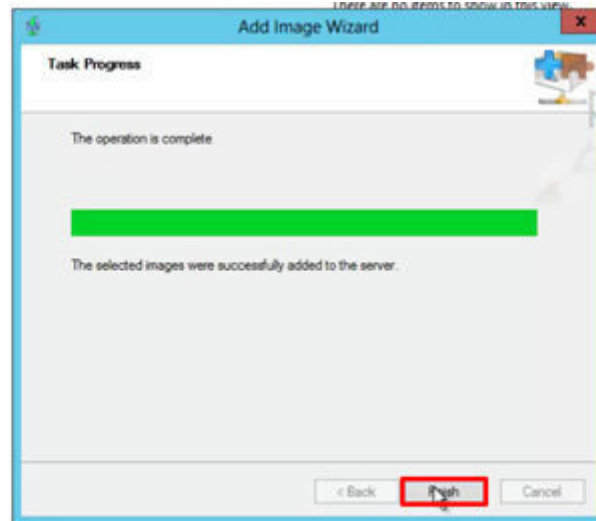
28. Next.



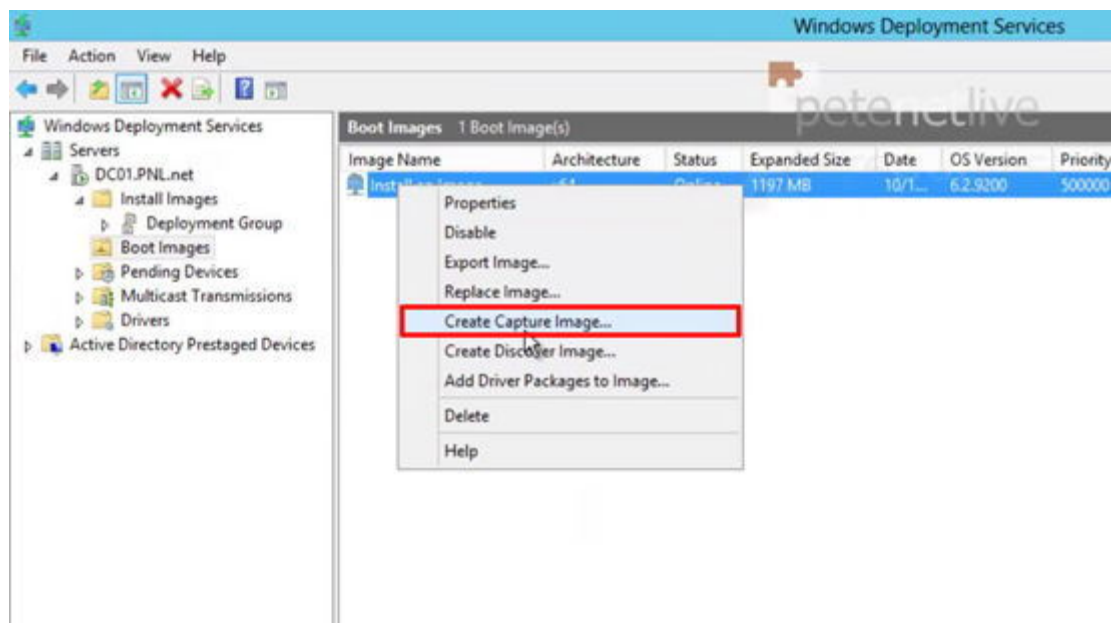
29. The Image will be imported.



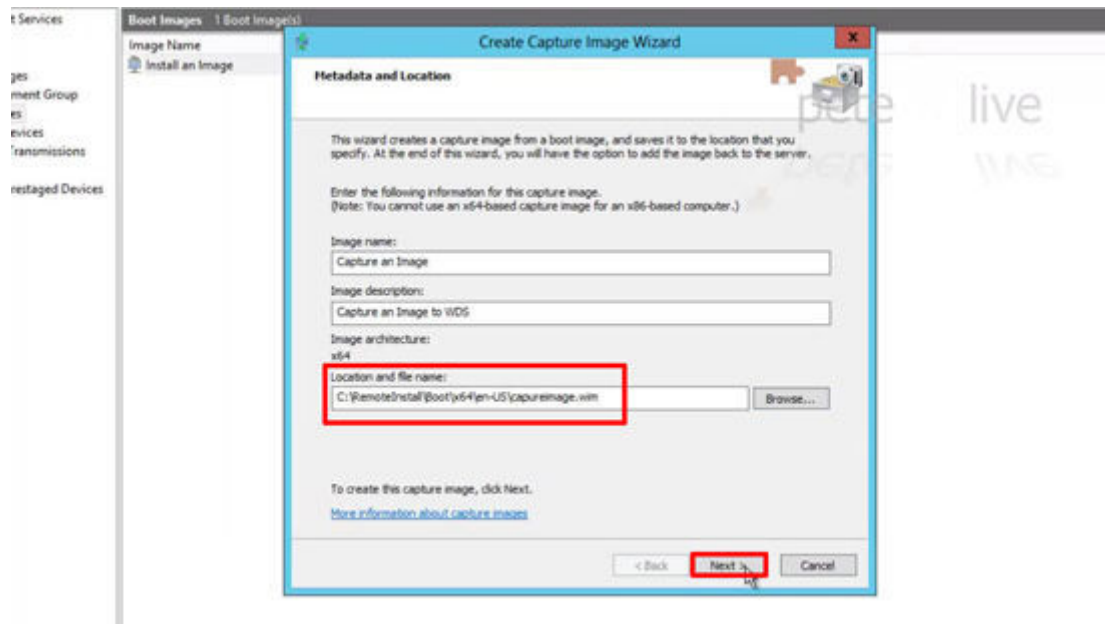
30. Finish.



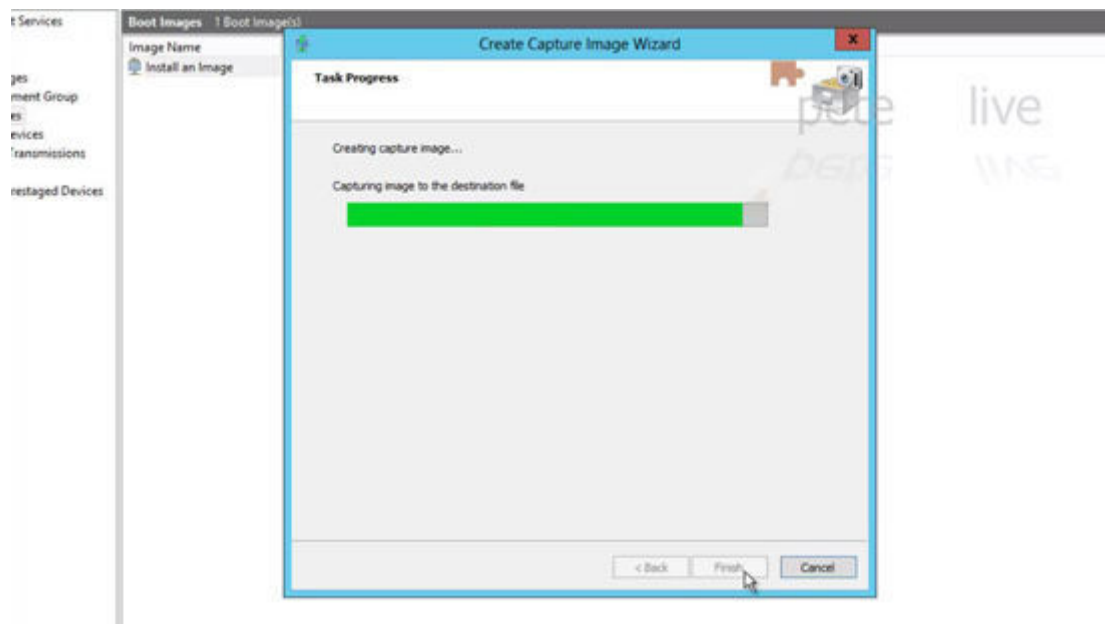
Adding a Capture Image (To take an image from a remote machine) 31. Right click the image we have just added > Create Capture Image.



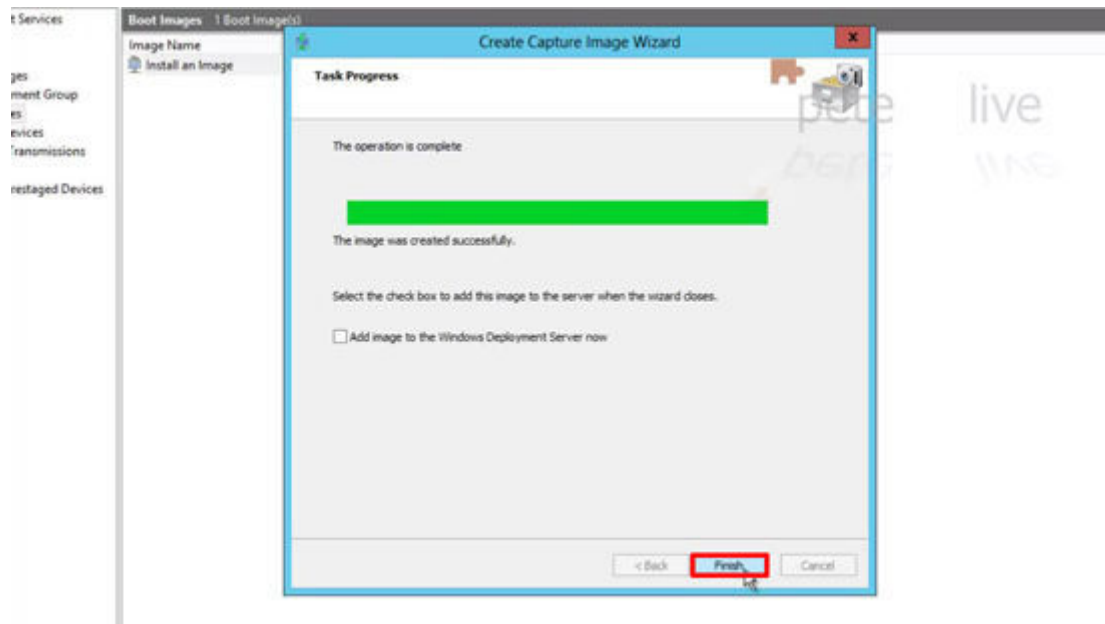
32. Call this one 'Capture an Image' > Give it a description > Save the image (with a .wim extension). Note: It does not matter where you save the image, but I would suggest somewhere in the 'Remote Install' folder > Next.



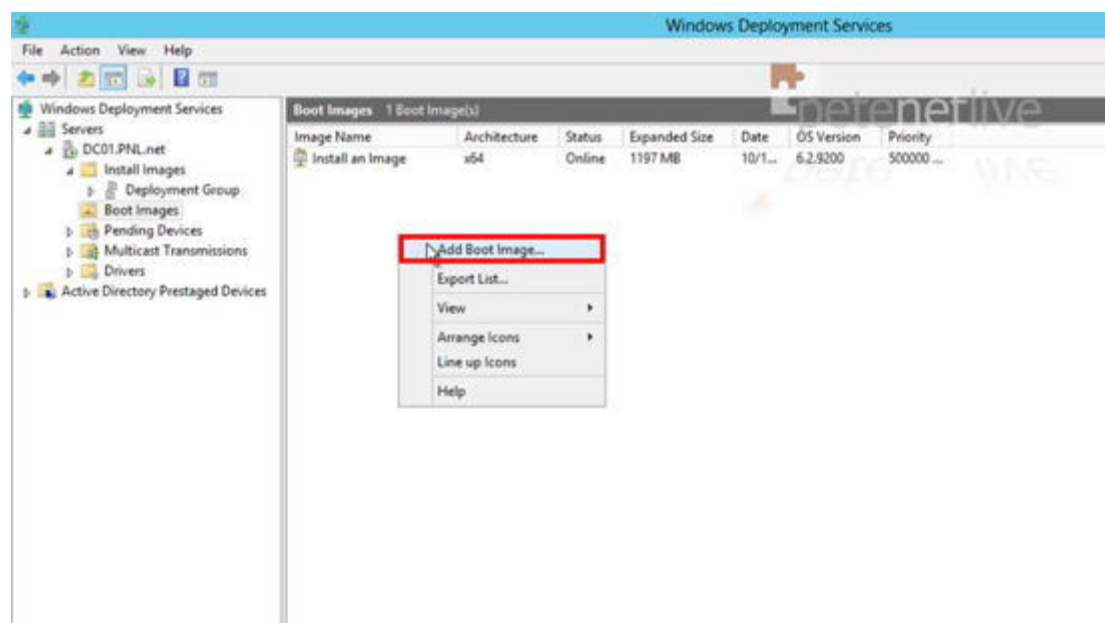
33. The image will be created.



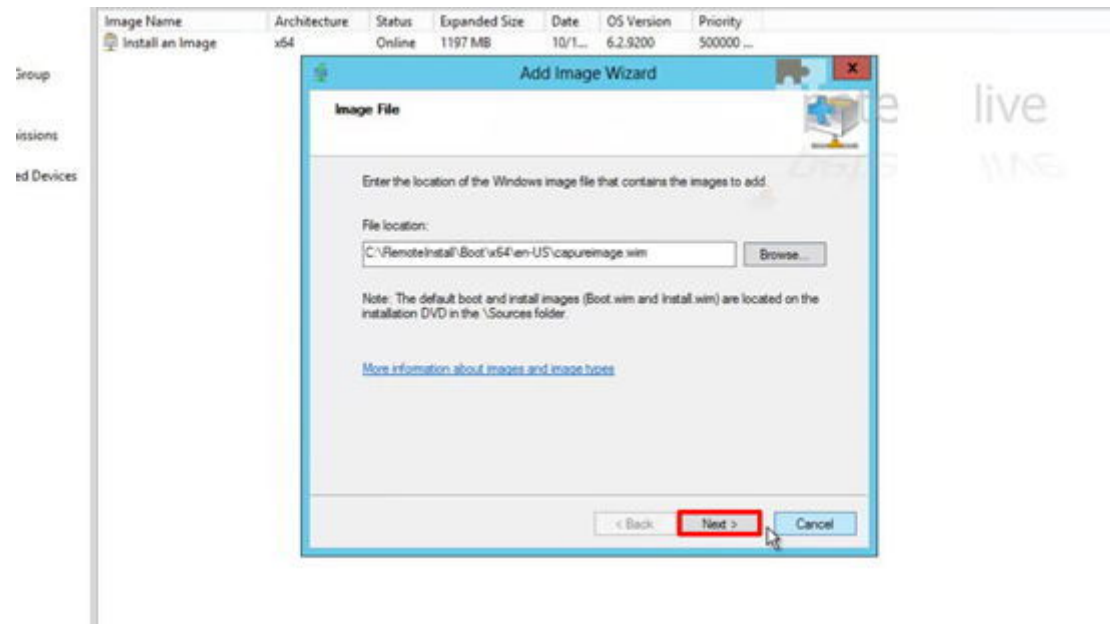
34. Finish



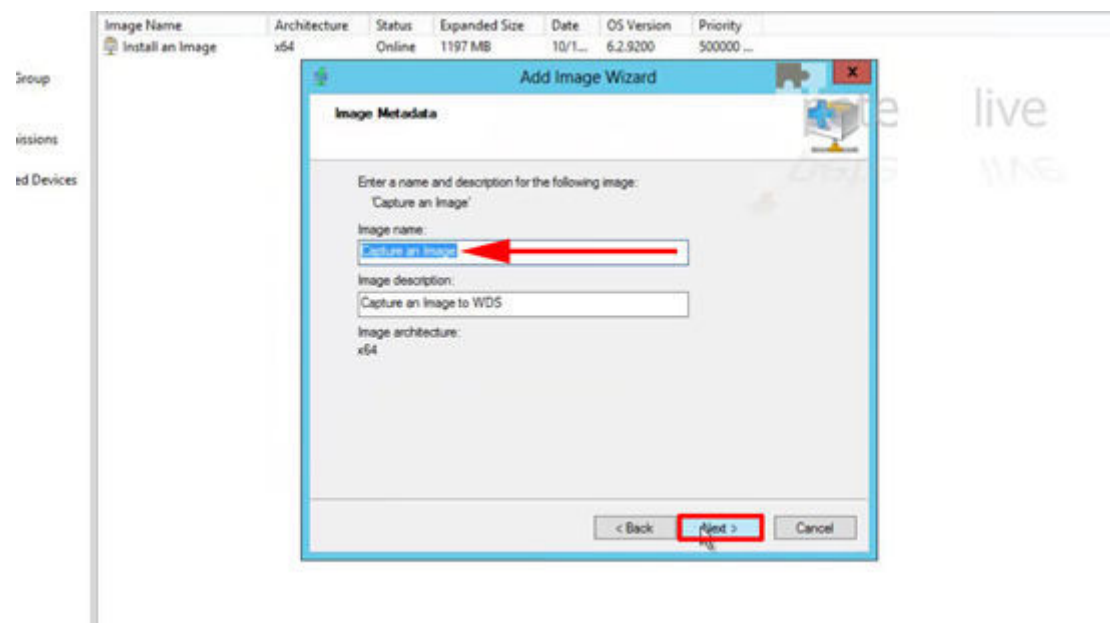
35. Now even though we have created the capture image, we still need to import it. Right click > Add Boot Image.



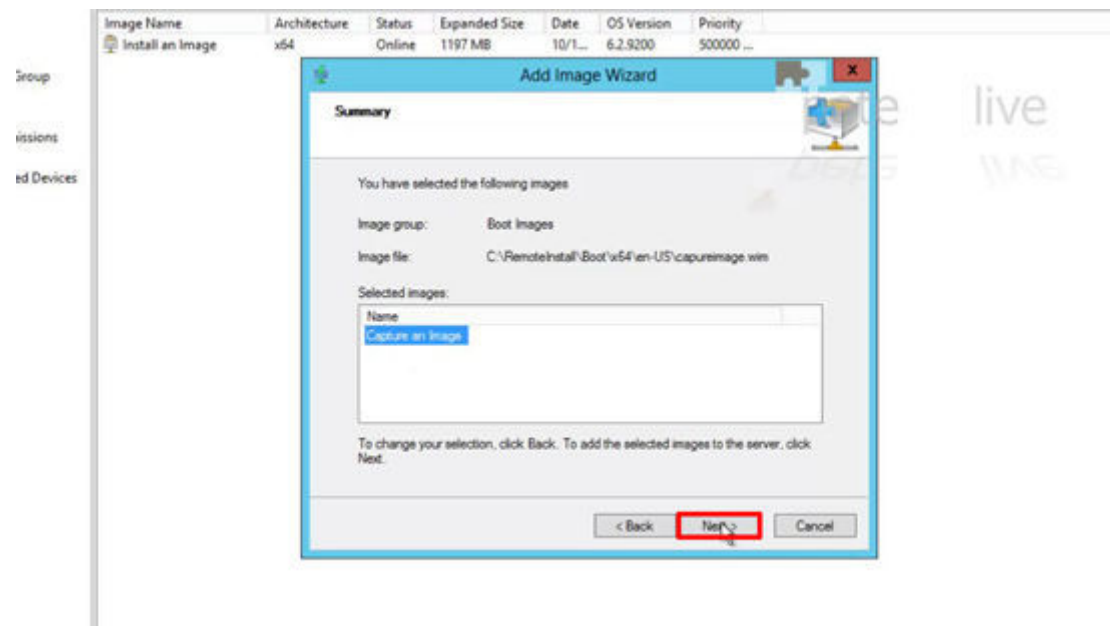
36. Select the capture image you created earlier > Next.



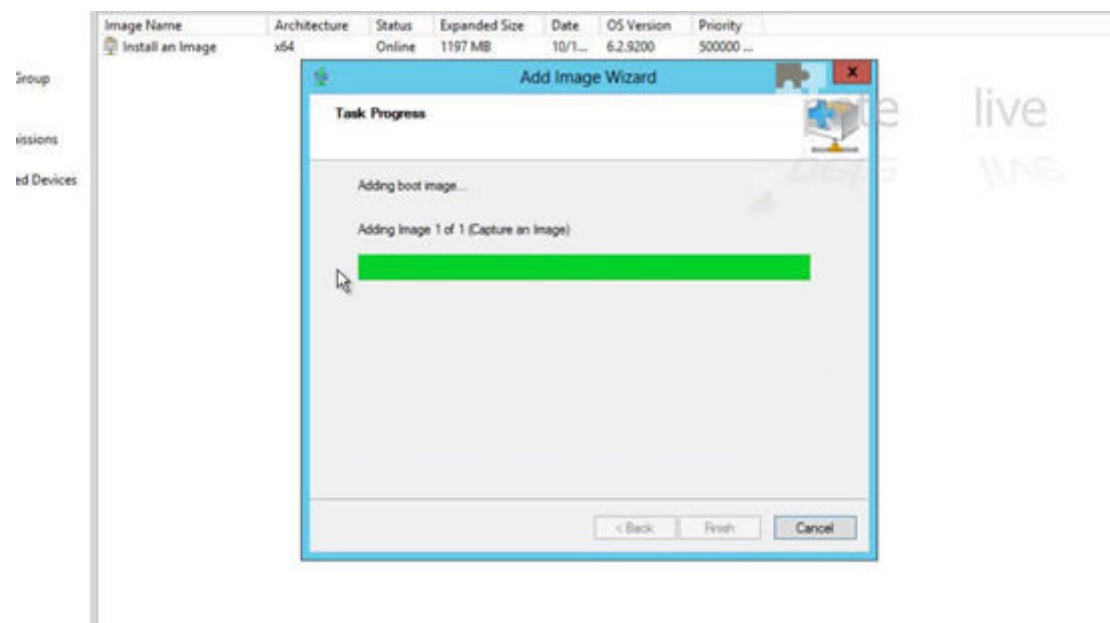
37. Make sure it's called 'Capture and Image' > Next.



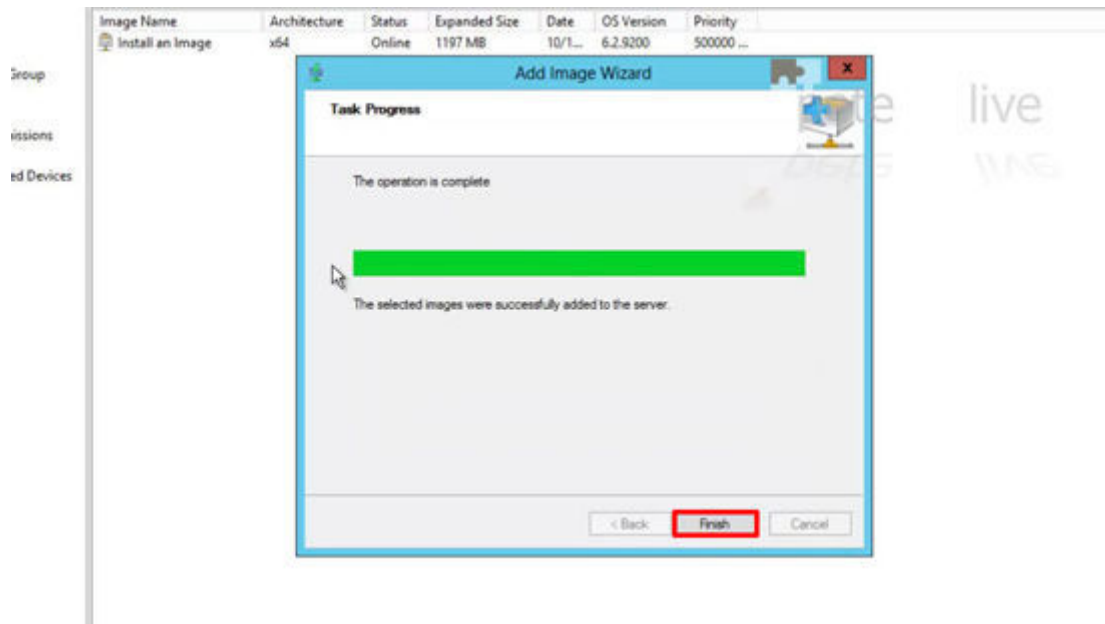
38. Next.



39. Now the capture image will be imported into [WDS](#).

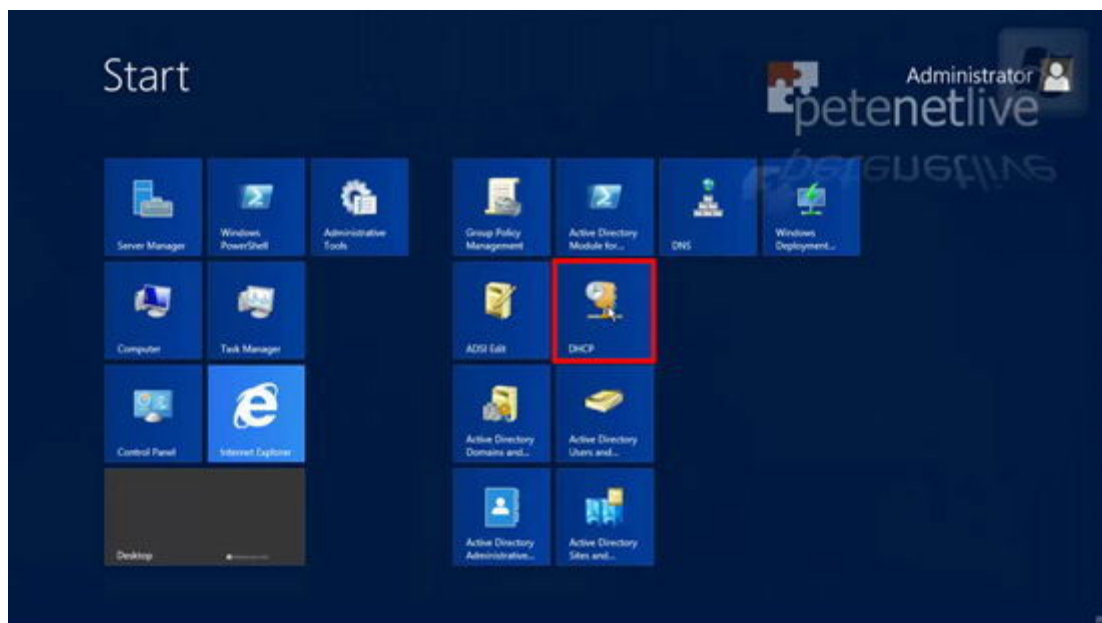


40. Finish.

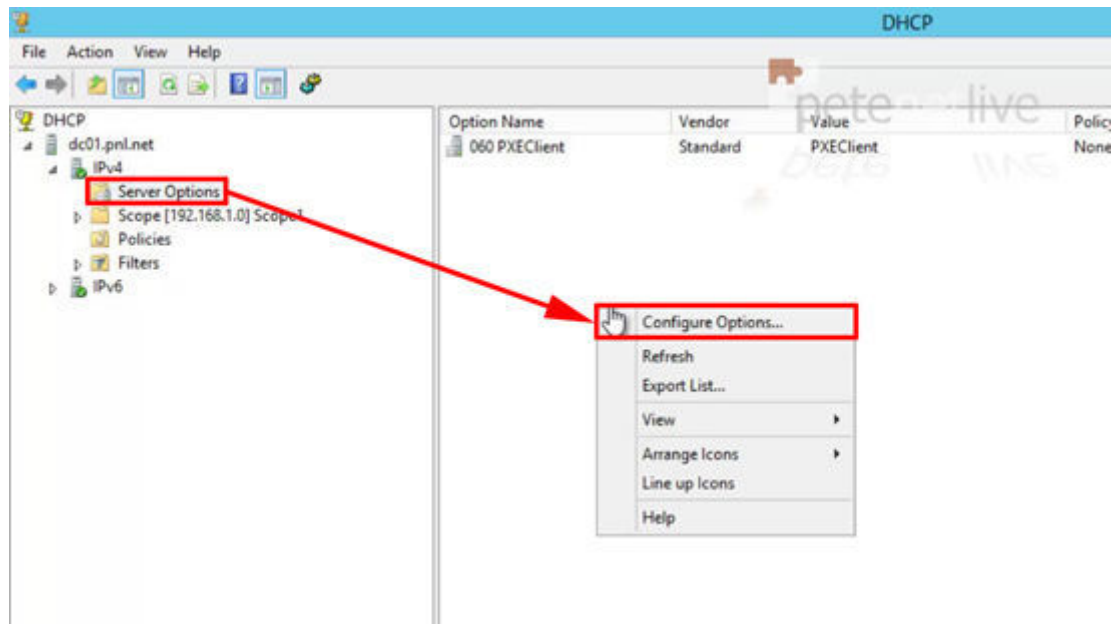


Configure DHCP with WDS Options

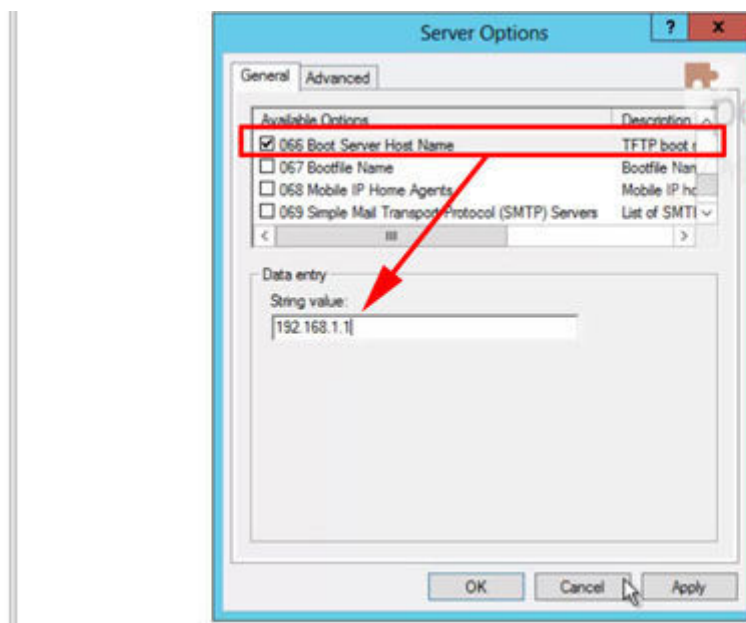
41. Launch the [DHCP](#) management console.



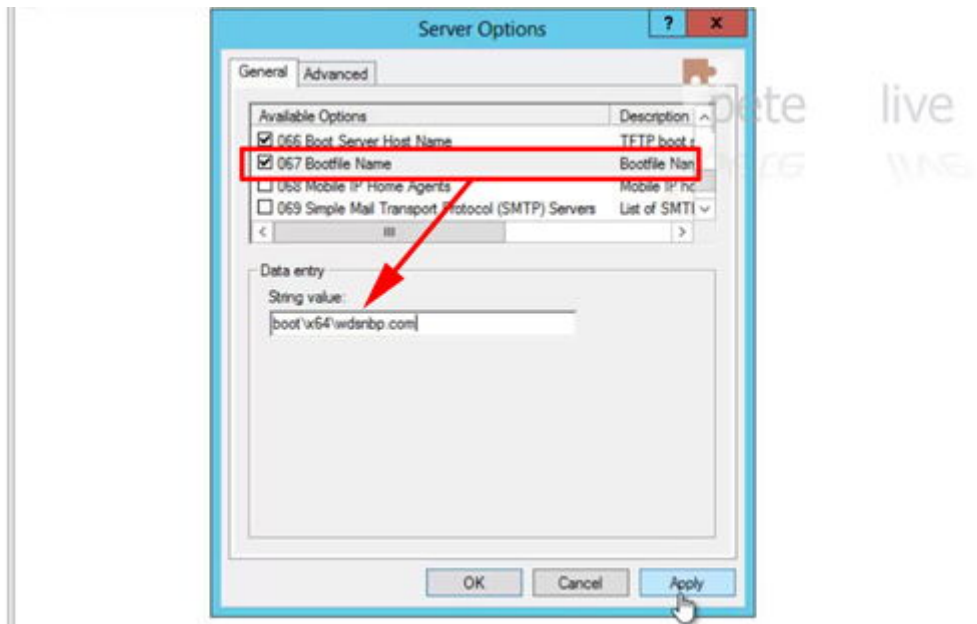
42. Open the active scope > IPv4 > Server Options > Configure Options.



43. Tick Option 66 > Set its value to the [IP](#) address of the [WDS](#) server > Apply > OK.



44. Tick Option 67 > Set its value to;
 Boot\x64\wdsnbp.com
 Apply OK



45. Now you are ready to capture an image of your reference Windows 8 machine.