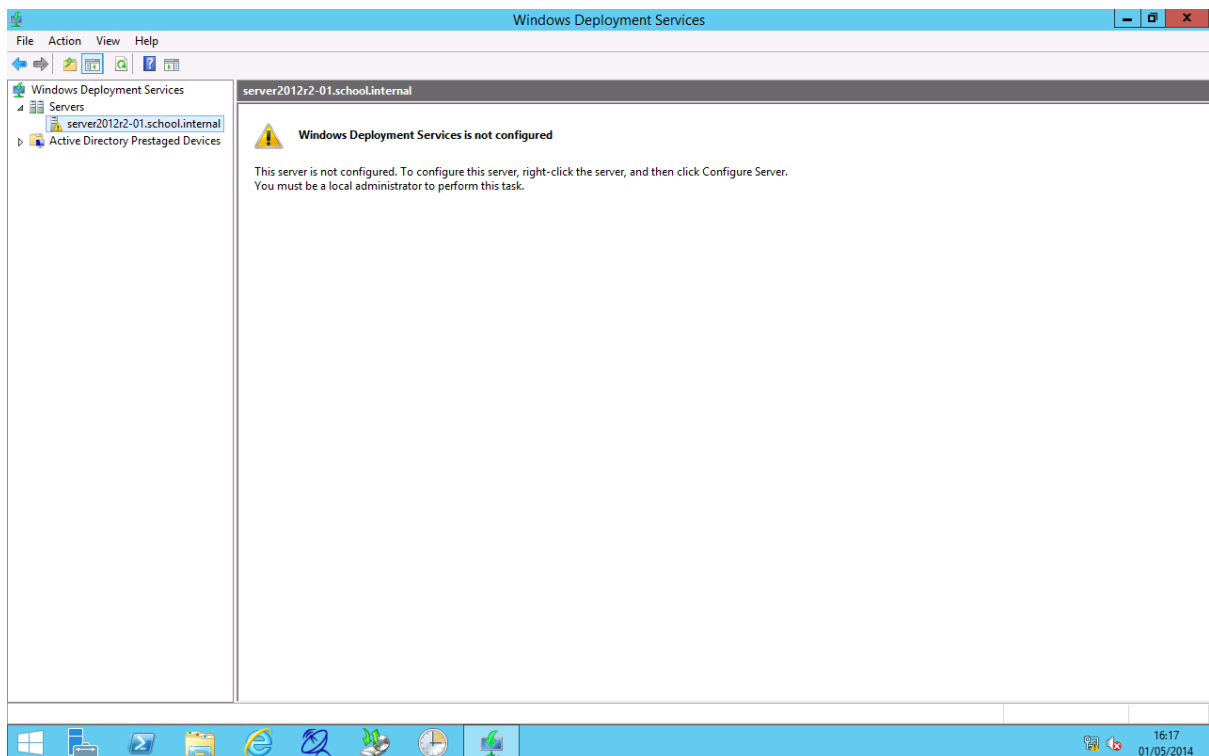


Installing wds/mdt

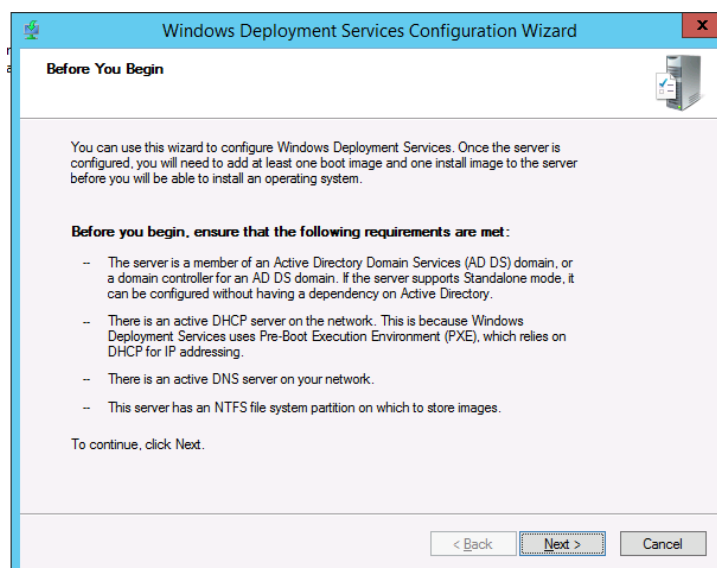
Wds install/config

Install the role from server manager (it depends what version of windows server as to how you do it exactly)

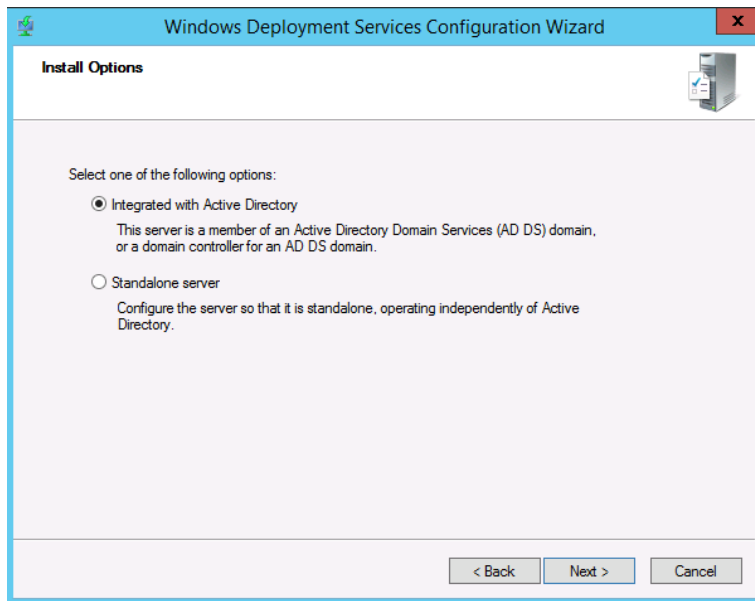
Once the role is installed it needs configuring. Load the management console from admin tools (or just search on wds). Once there tab out server and you should see your server like below



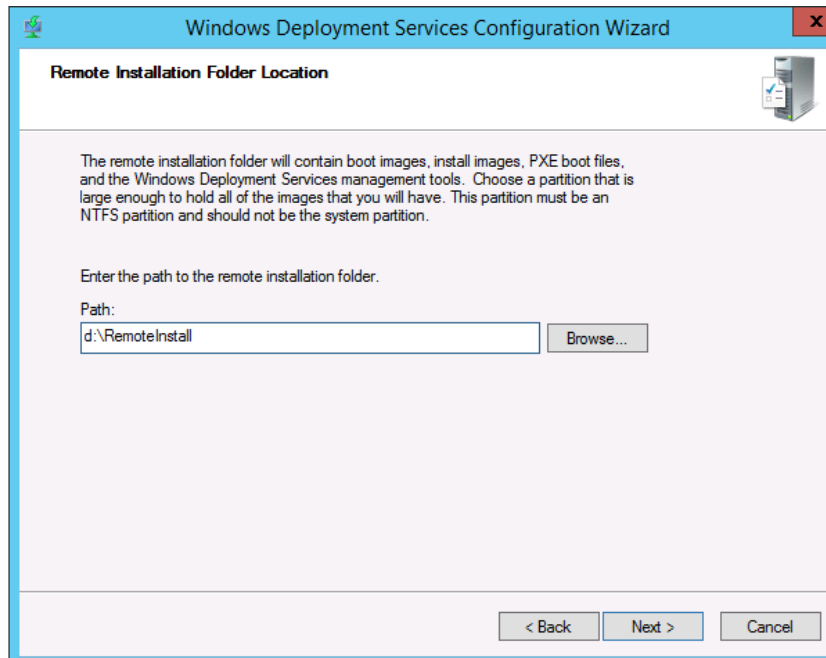
Now right click your server and select configure server. On the first page click next



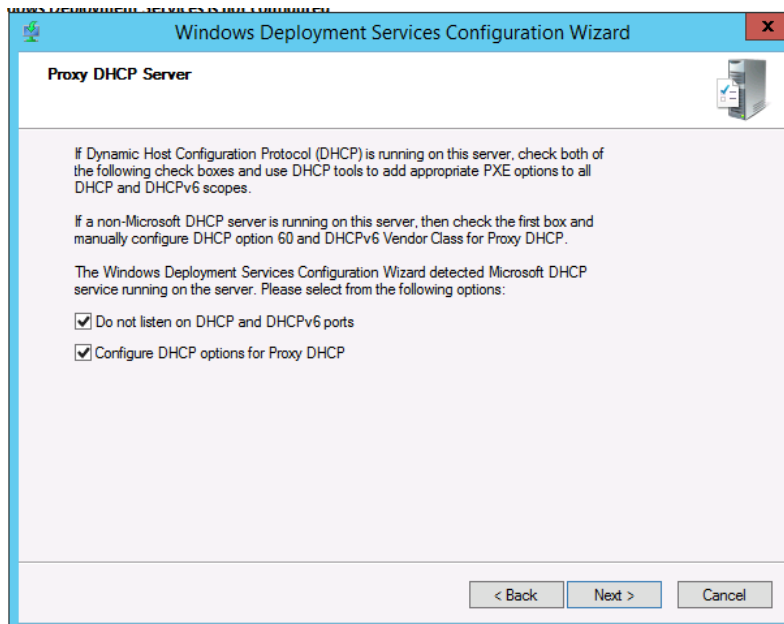
If you are on 2012/2012 r2 you will get a page asking if you want to make it domain integrated or not. Unless you aren't in a domain environment select integrated with active directory then click next (THIS DOES NOT APPEAR ON 2008/2008R2/2003)



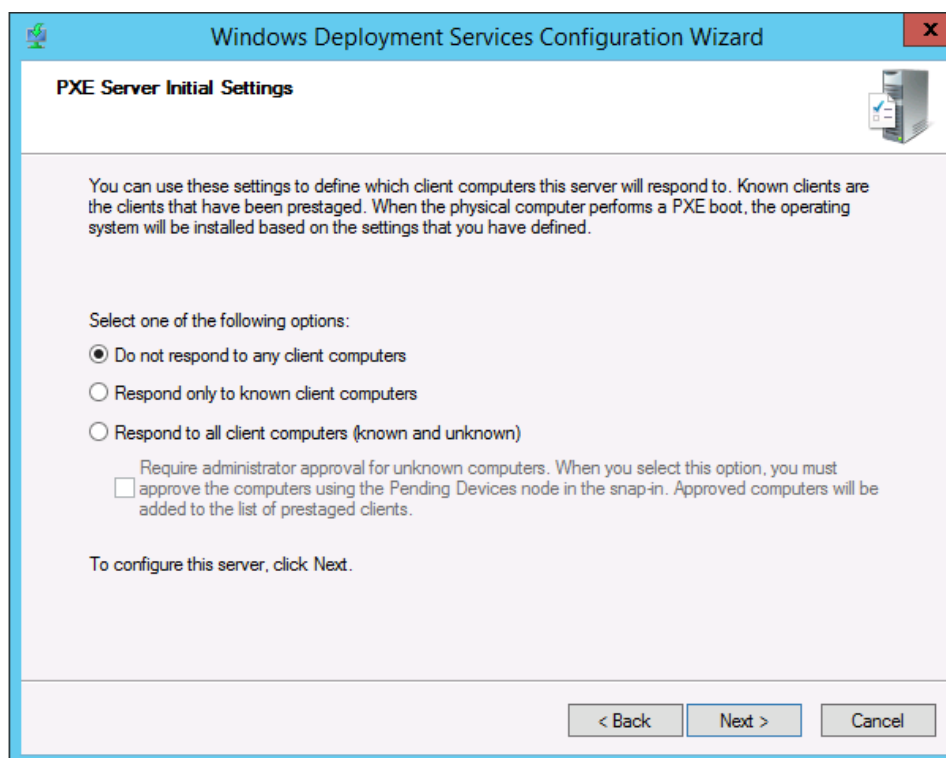
Next it will ask you where you want to place wds files (it does suggest NOT using the c drive) in this example ive just changed c to d (if your using mdt this dosent need to be the same drive as mdt, if you plan to use wds to install pcs not just boot to mdt make sure there is plenty of free space on this drive)



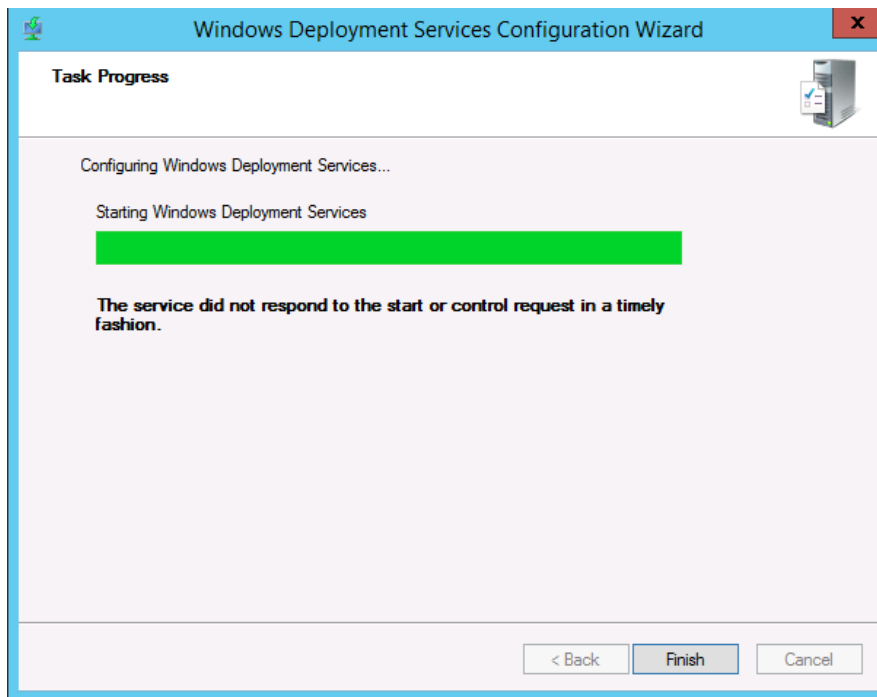
This next step is important. If you are installing WDS on a dhcp server tick both boxes if you are installing wds on a server that doesn't host dhcp DON'T tick either. Get this wrong and one of 2 things will happen if you don't tick them on a dhcp server the service wont start. If you tick them on a non dhcp server pcs won't pxe boot. Click next



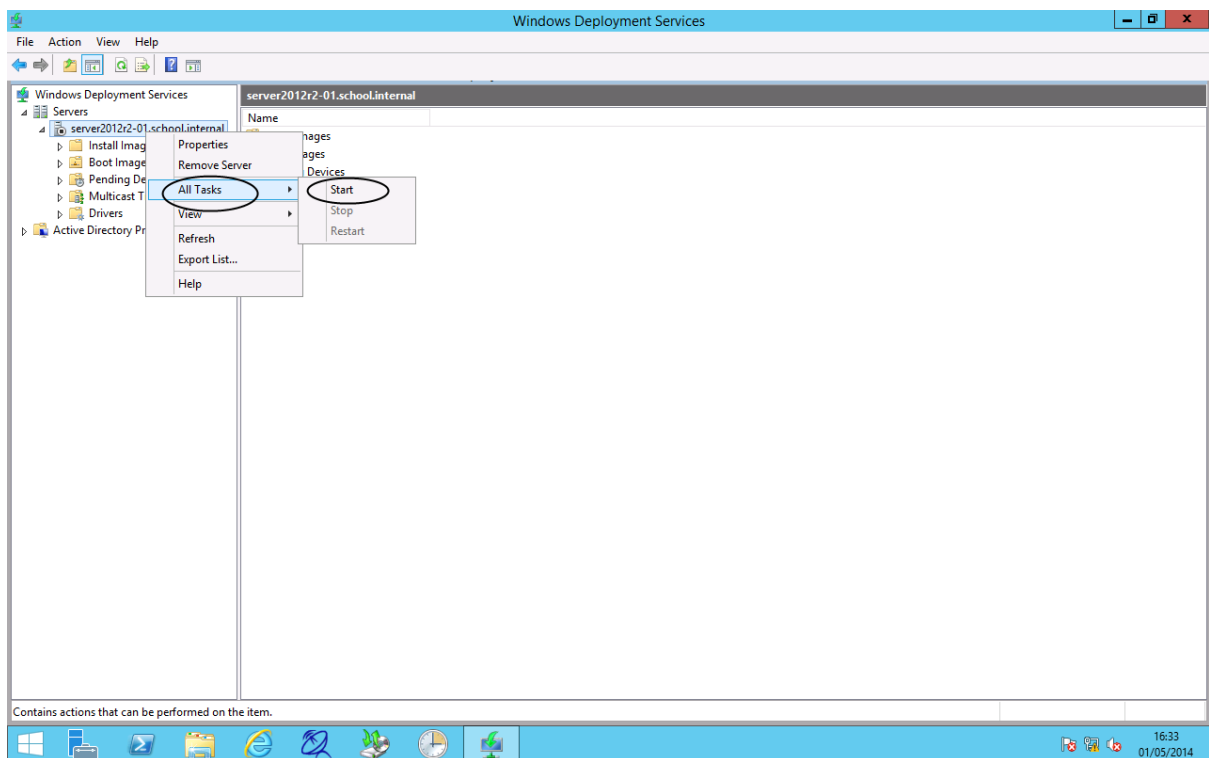
In most cases in the next screen you want to select respond to all client computers (known and unknown) and you definitely want this initially to test it or only pcs it recognises will be allowed to boot from your wds server. Click next



On server 2012 ive found it always complains that the service did not respond to the start or control request in a timely fashion. Just click finish



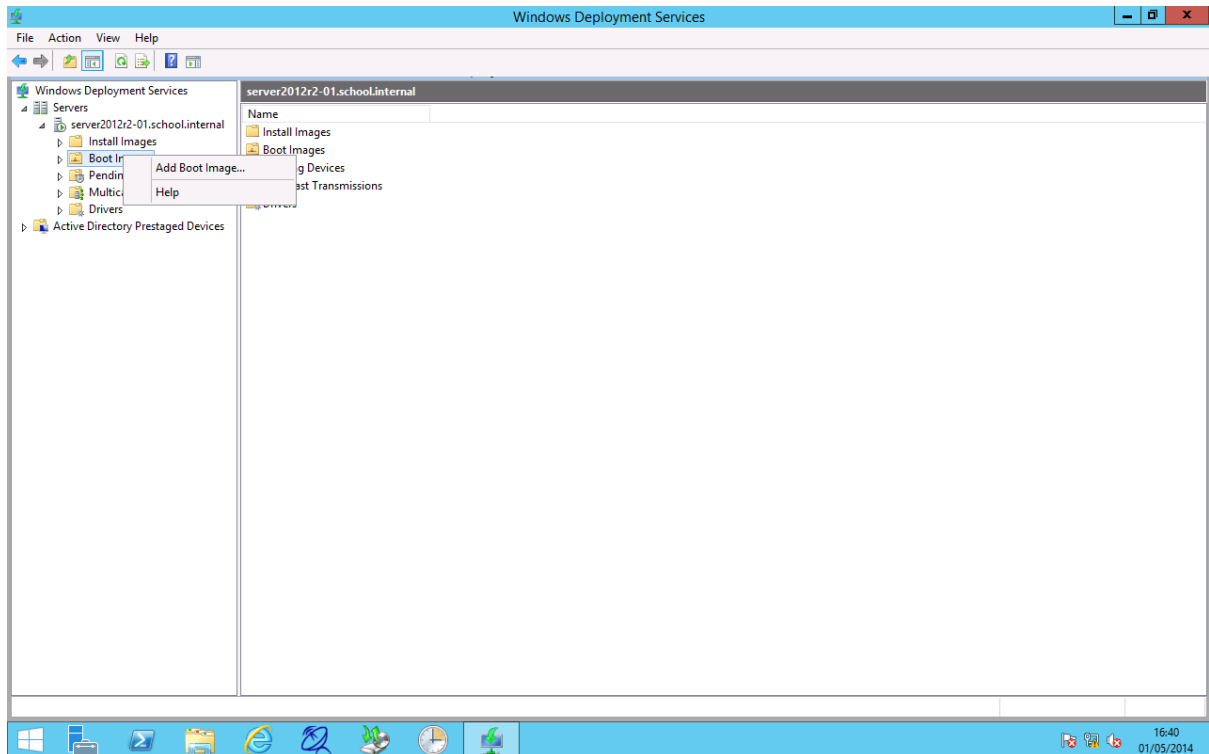
Then back in the wds console right click your server and click all tasks start and it should start fine.



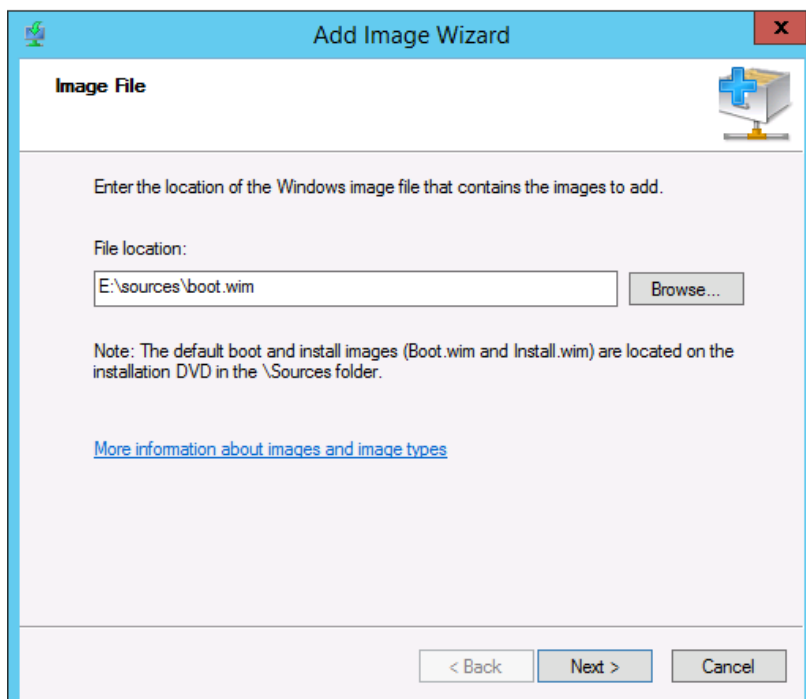
If your intending to use mdt skip ahead now.

Wds adding boot images

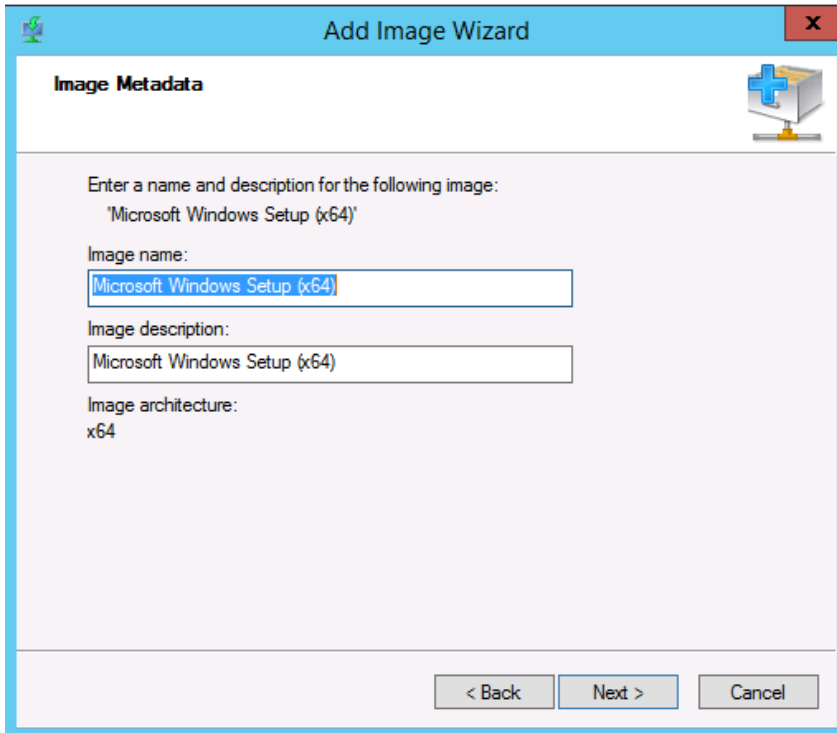
Now you need to give wds something to boot from. I suggest using the latest windows version you have access to as it will likely have the biggest driver database so cause you less issues in this case im using windows 8.1 update 1. Put the appropriate dvd in the drive (or mount the iso). In you wds console go to boot images right click and add boot image.



Then find boot.wim on your install media (should be x:\sources\boot.wim (substitute x for you dvd drive\file path). Then click next



Give it a meaningful name (im just leaving the default name for this example). Click next



The 'Add Image Wizard' window is shown at the 'Image Metadata' step. It has a blue title bar with a small icon on the left and a close button on the right. The main area is light purple and contains the following text: 'Enter a name and description for the following image:', 'Microsoft Windows Setup (x64)', 'Image name:', 'Image description:', and 'Image architecture:'. Below each label is a text box. The 'Image name' and 'Image description' boxes contain the text 'Microsoft Windows Setup (x64)'. The 'Image architecture' box contains the text 'x64'. At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'. A small icon of a box with a plus sign is in the top right corner of the main area.

Add Image Wizard

Image Metadata

Enter a name and description for the following image:
'Microsoft Windows Setup (x64)'

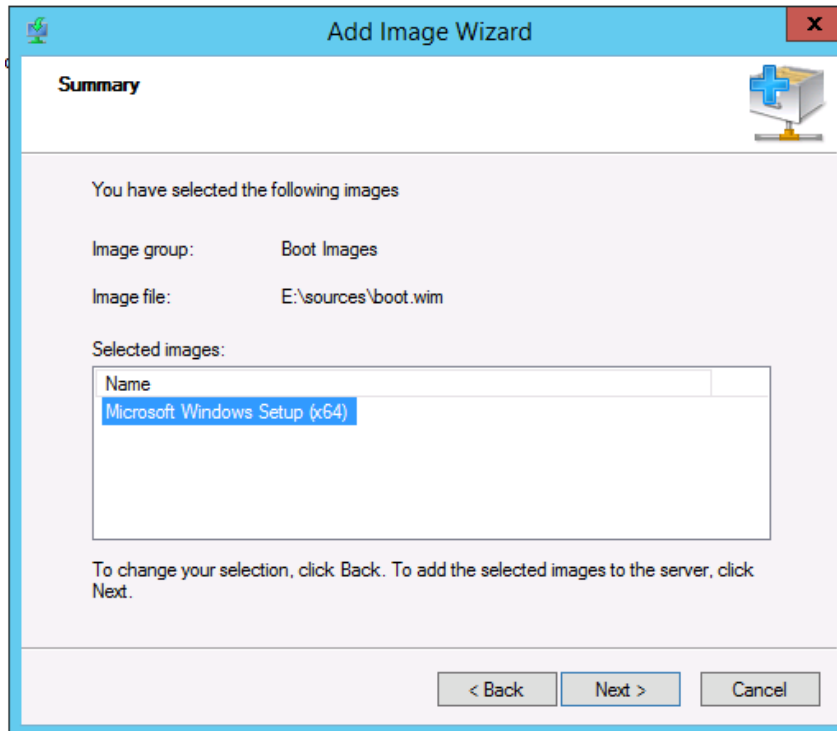
Image name:
Microsoft Windows Setup (x64)

Image description:
Microsoft Windows Setup (x64)

Image architecture:
x64

< Back Next > Cancel

On the next page click next



The 'Add Image Wizard' window is shown at the 'Summary' step. It has a blue title bar with a small icon on the left and a close button on the right. The main area is light purple and contains the following text: 'You have selected the following images', 'Image group:', 'Image file:', 'Selected images:', and a table with one row. Below the table, there is a message: 'To change your selection, click Back. To add the selected images to the server, click Next.' At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'. A small icon of a box with a plus sign is in the top right corner of the main area.

Add Image Wizard

Summary

You have selected the following images

Image group: Boot Images

Image file: E:\sources\boot.wim

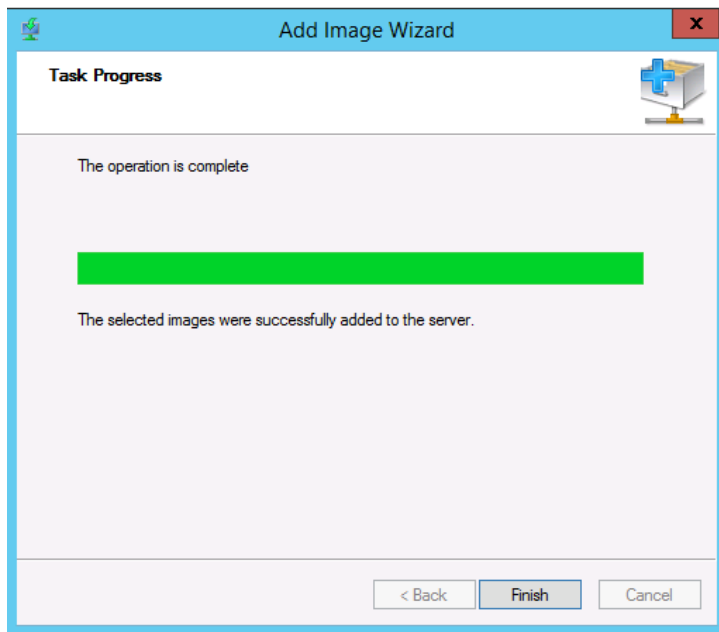
Selected images:

Name
Microsoft Windows Setup (x64)

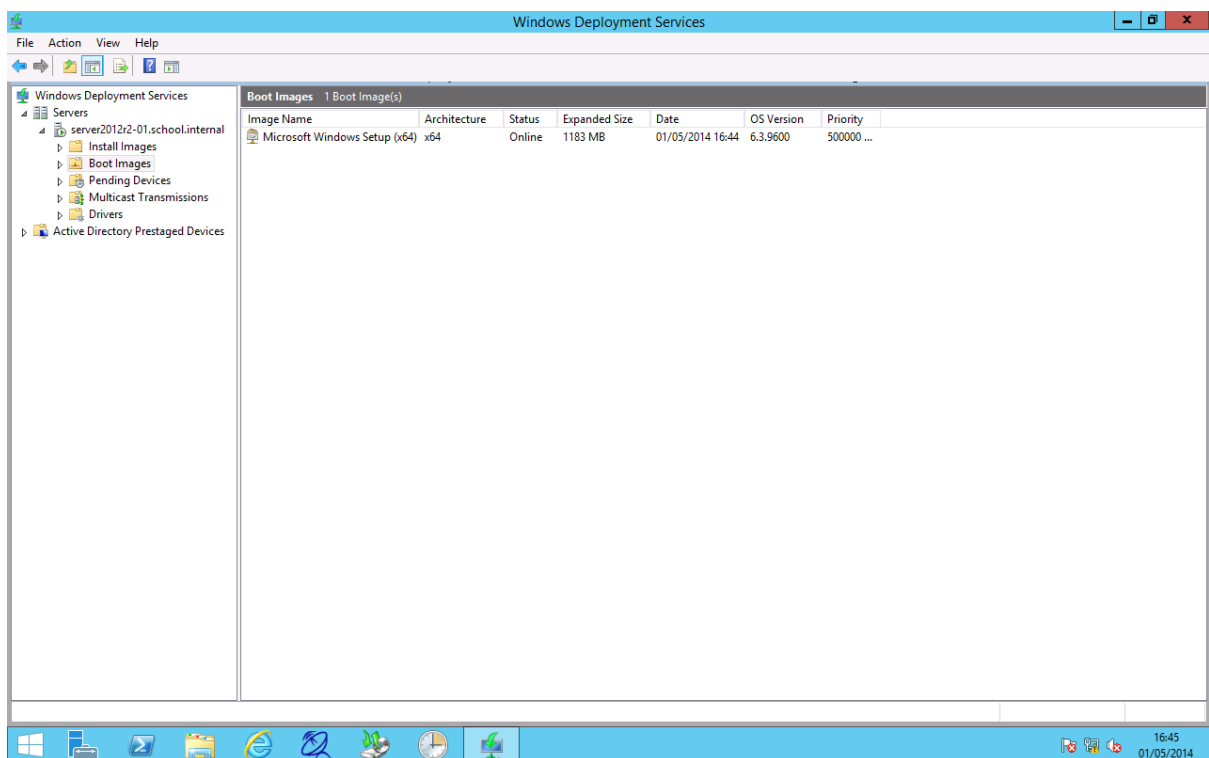
To change your selection, click Back. To add the selected images to the server, click Next.

< Back Next > Cancel

It will now add the image when it's done click finish



You now have a boot image in you console and can pxe boot a pc into wds (it won't do anything yet though other than boot)



Now go to a pxe bootable pc and try it. It should look something like

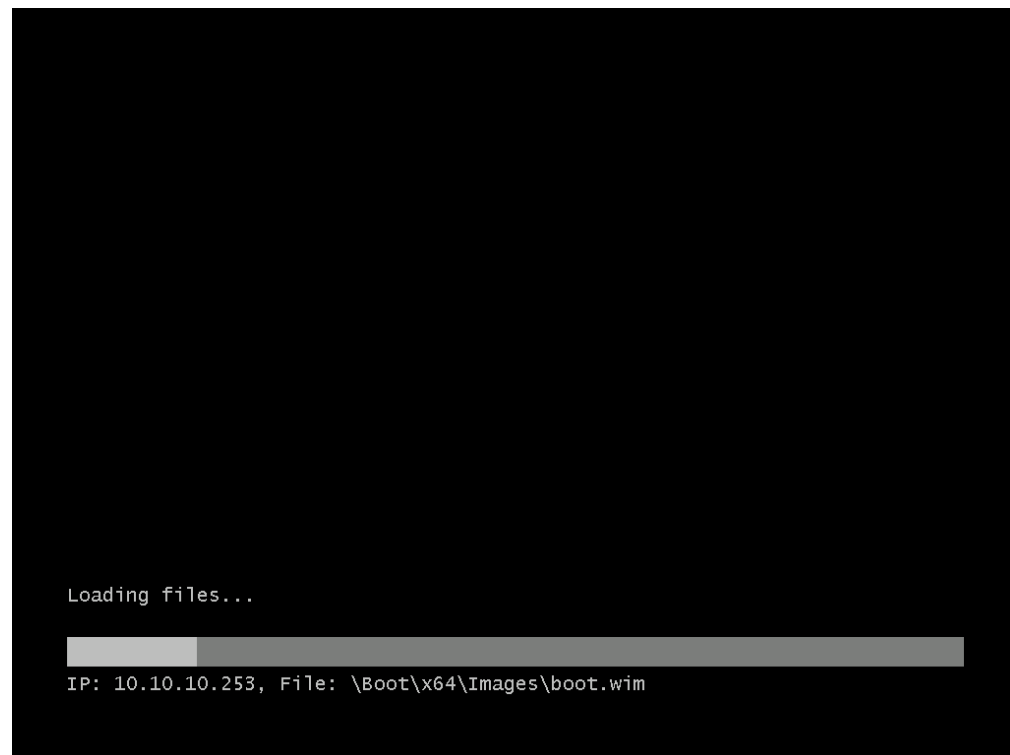
```
Hyper-U
PXE Network Boot 09.14.2011
(C) Copyright 2011 Microsoft Corporation, All Rights Reserved.

CLIENT MAC ADDR: 00 15 5D 01 50 07  GUID: 680F6B1C-C95C-428C-AA69-C362BAEFCCCA
CLIENT IP: 10.10.10.11  MASK: 255.255.255.0  DHCP IP: 10.10.10.253
GATEWAY IP: 10.10.10.254

Downloaded WDSNBP from 10.10.10.253 server2012r2-01.school.internal

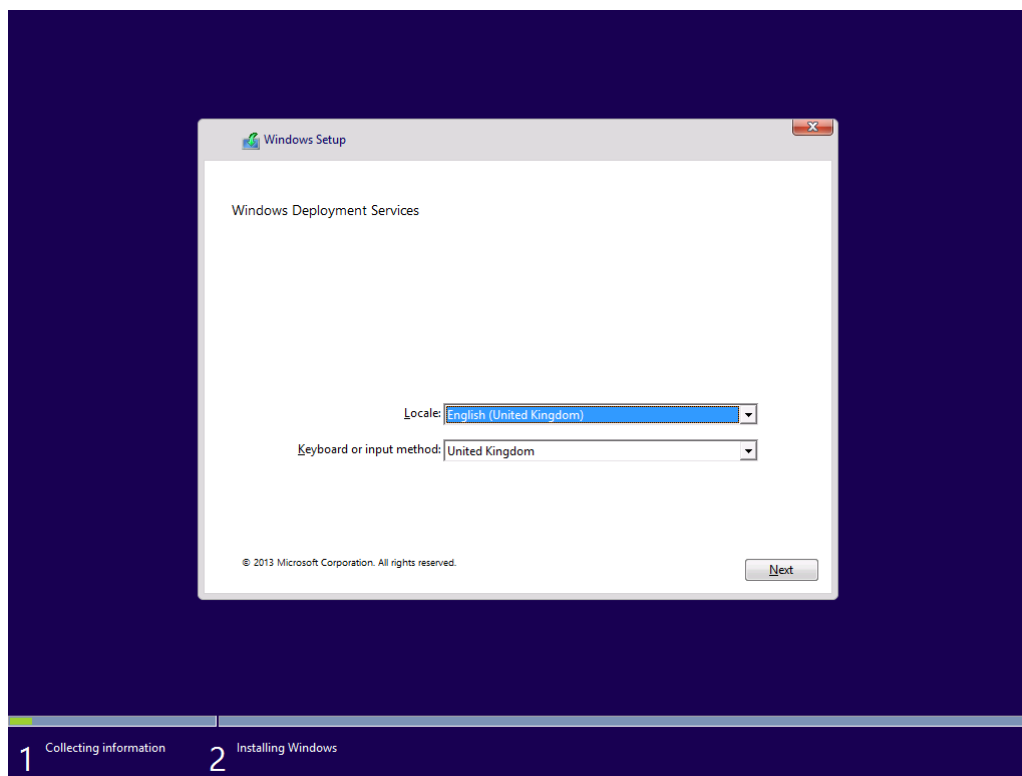
Press F12 for network service boot
```

And if you press f12 it should boot straight to your image (if you have more than 1 boot image it gives you a menu). When booting it should look something like this



Then it will show splash screens appropriate to the version of windows you used as you boot file

It now should ask what language you want to use fill it in and click next



It will then ask for a login to your wds server so fill in the boxes. Then as we have no install images it just shows a list of nothing but it proves wds is working

