

## Adding Parted Magic to your WDS Server.

Read prior to configuring the server to have an idea of what you are doing and gain an understanding prior to commencement.

If you are reading this, then I assume (good or bad) that you have read my guide on setting up a Windows 2012R2 WDS Server and played with deploying Linux as described in the article.

There is nothing special about using WDS as all we are basically providing is a PXE Boot server that has been configured to allow us to deploy Windows based images or a couple of Linux flavours.

Now, some may like other types of things, so this is where the “Tools” come in.

Parted Magic as we all know is a disk partitioning tool that actually runs GParted. It also contains a Disk Imaging tool based on Clonezilla.

I was going to include adding Clonezilla but Parted Magic is a little easier to get going and doesn't rely on NFS shares or the like, as all the required bits will be situated in the

RemoteInstall\boot\x64\linux path.

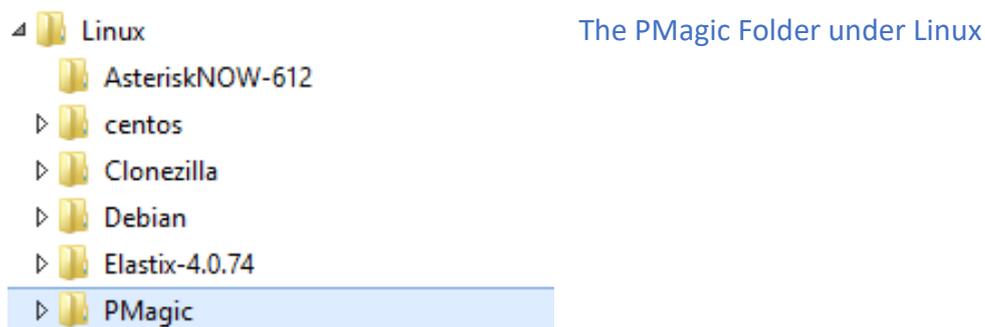
OK, let's begin, what's needed; PMagic\_2016\_03\_02.iso from <http://getintopc.com/software/utilities/parted-magic-2016-iso-free-download/> or anywhere else. This is the latest copy I could find that was free. This page also has information on Computer requirements for running Parted Magic.

If this PMagic\_2016\_03\_02.iso is not the one used, changes must be made to the section of the tools menu that loads the ISO.

This line INITRD LINUX/PMagic/pmagic\_2016\_03\_02.iso in the tools.menu must be edited to reflect the ISO used

### Setting up the PMagic folder.

Drill down to the RemoteInstall\boot\x64 folder, and we should already have a sub folder called Linux where we set up Ubuntu and Centos. Make a folder called PMagic and extract the downloaded PMagic\_2016\_03\_02.iso. Also place a copy of the ISO in this folder as shown



This PC > WDS (E:) > RemotelInstall > Boot > x64 > Linux > PMagic

Name	Date modified	Type	Size
.disk	21/11/2016 8:00 AM	File folder	
boot	30/11/2016 10:16 ...	File folder	
EFI	21/11/2016 8:00 AM	File folder	
pmagic	30/11/2016 10:16 ...	File folder	
bzImage64	30/07/2013 11:14 ...	File	3,144 KB
GPL	12/08/2012 7:24 PM	File	18 KB
initrd.img	1/08/2013 5:43 AM	Disc Image File	68,520 KB
mkgriso	2/03/2016 8:24 PM	File	3 KB
pmagic_2016_03_02.iso	21/11/2016 9:30 AM	Disc Image File	509,952 KB

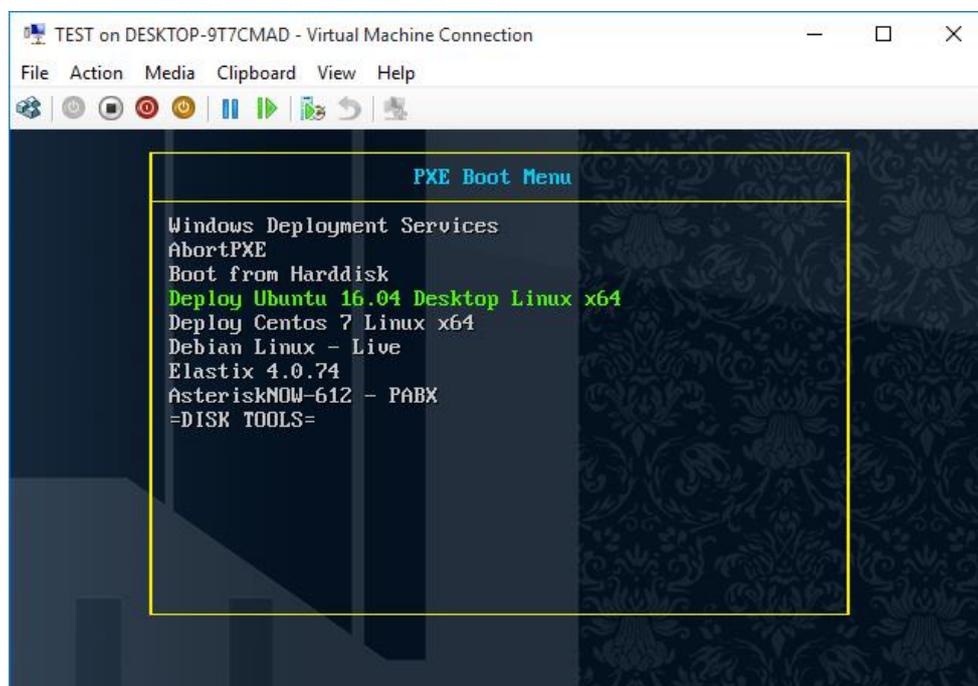
### Contents of the PMagic Folder

**NOTE:** Prior to booting up into Parted Magic, we need to edit the Syslinux.cfg located in the PMagic\boot folder. Open in notepad and replace vmlloc=512Mib with vmlloc=600MiB. I just did all instances.

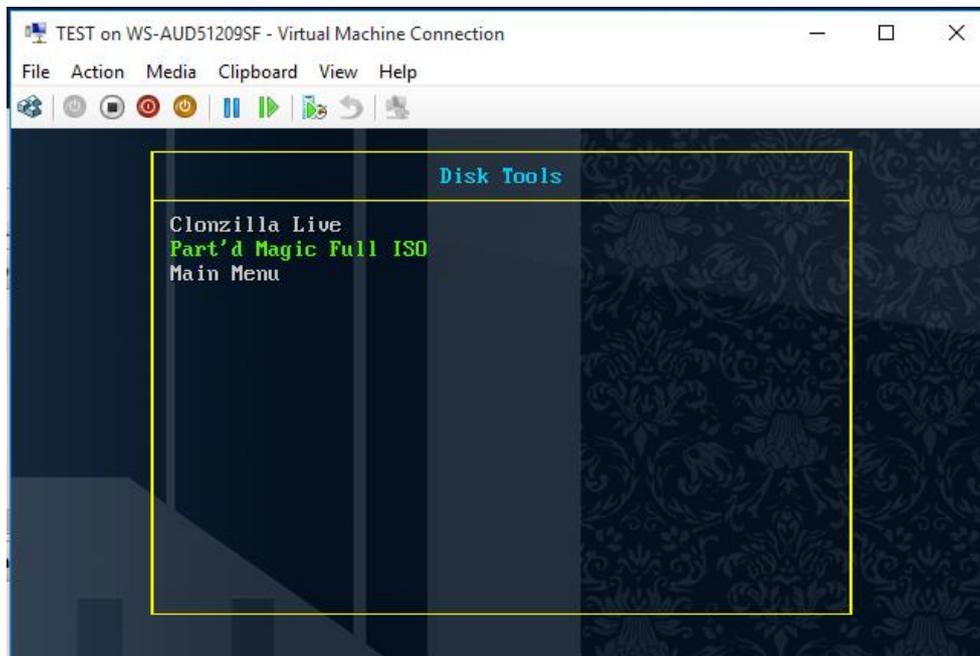
The first time I booted into PMagic I was presented with an error along the lines of Increase vmlloc in the syslinux.cfg to equal the ISO size plus 32MiB. 600MiB is a nice round figure

From the previous post on deploying Linux from WDS, we should have 2 files in the RemotelInstall\boot\x64\pxelinux.cfg folder. The default file and the tools.menu

When the client PC or VM is PXE booted we are presented with the new Boot menu as previously configured.



Selecting =DISK TOOLS= gives us the Disk Tools Menu



From here we can select Part'd Magic Full ISO tool.

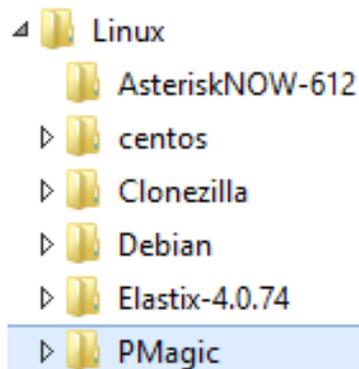
Selecting Part'd Magic Full ISO will start the process of booting the ISO to a live environment

As Clonezilla is in the menu, I will cover it quickly.

## What's required?

[Clonezilla-live-20161024-yakkety-amd64.zip](#) or ISO or \*20161212-zesty-amd64.zip. I had a version *earlier* than the 20161024 and had no mouse, it just sat in the middle of the screen.

Create a Clonezilla folder in the following location `RemoteInstall\boot\x64\linux`



Create a Clonezilla folder in the `{drive:\Linux-distributions}`

► This PC ► FILE SHARE (D:) ► Linux-Distributions ► Clonezilla

Name	Date modified	Type	Size
.disk	30/09/2016 11:46 ...	File folder	
boot	30/09/2016 10:16 ...	File folder	
EFI	30/09/2016 10:16 ...	File folder	
live	30/09/2016 11:46 ...	File folder	
syslinux	30/09/2016 11:46 ...	File folder	
utils	30/09/2016 11:46 ...	File folder	
DRBL-Live-Version	28/06/2016 7:34 PM	File	2 KB
GPL	13/08/2012 8:24 AM	File	18 KB

Extract the ISO or zip file to the Clonezilla folder. Copy the Live folder to the RemoteInstall\boot\x64\linux\Clonezilla folder.

Copy the vmlinuz file from the live folder back up to the RemoteInstall\boot\x64\linux\Clonezilla folder

This needs to be done as kernel load line for clonezilla looks like this: Kernel Linux/Clonezilla/vmlinuz

**OR**

Edit the tools.menu to this: Kernel Linux/Clonezilla/live/vmlinuz and it will work.

Good luck