

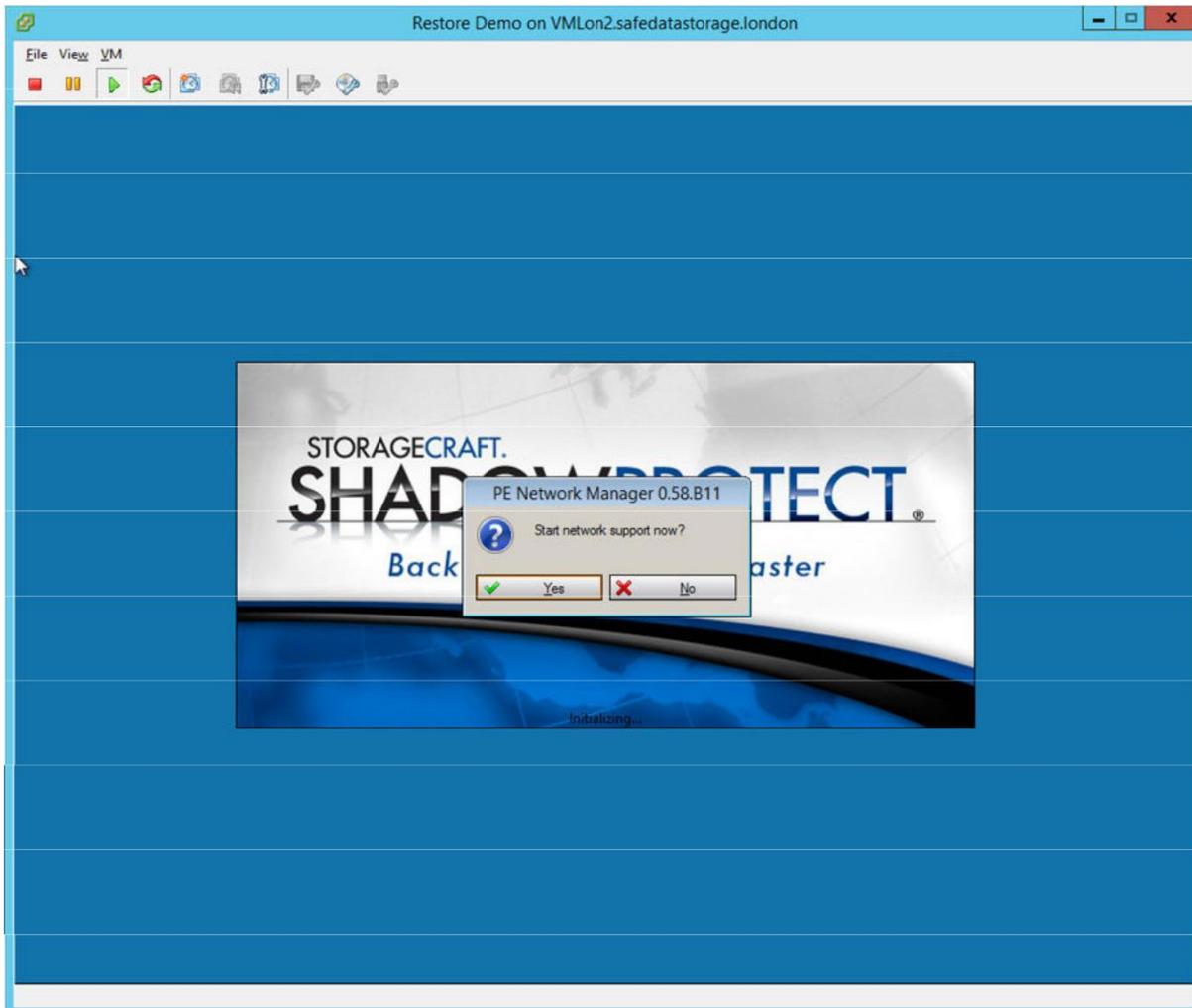
How to restore a server from Scratch using Storage Craft Recovery Environment

In this document, we are demonstrating how to restore a Bare Metal Backup to a new server. We are using a VM Guest Server and images created earlier to a local NAS device on the same network.

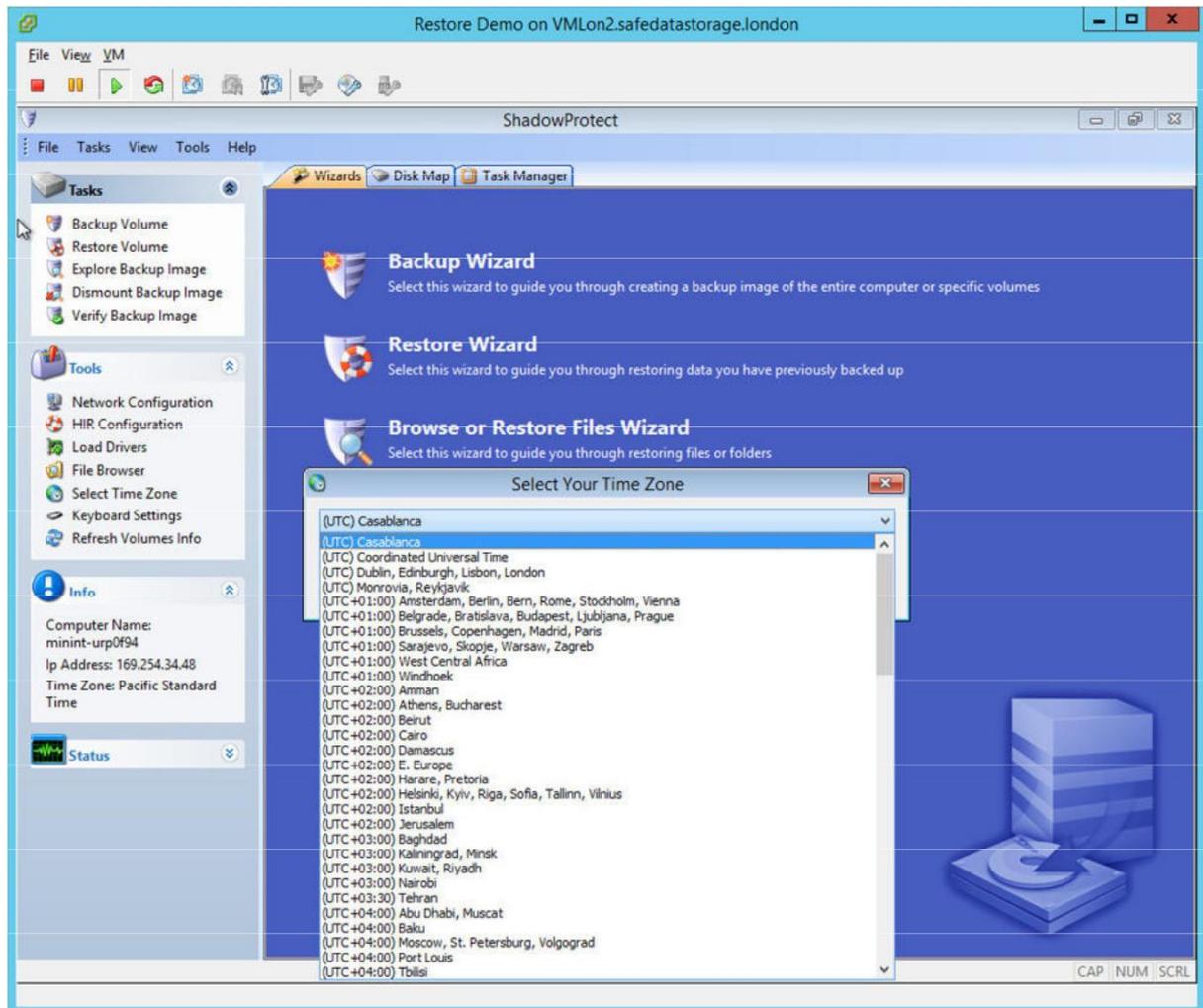
If you have no local backup images due to a total disaster, log into your FTP account and download your offsite copies. If the data is too large to download and estimates more than two days to download, please let us know and we will send it to you your data via USB drive. Please remember, we still have to copy the data from our servers to USB first which will take some time before we can start shipping it to you. There are no speed restrictions on any of our accounts or servers, so you should be able to download your files as fast as your internet connection allows you to.

The server we are restoring is a Windows 2012 Server with just a primary partition. The procedure will be the same for adding additional drives; you just need to make sure you have the extra partitions setup in Disk Map first.

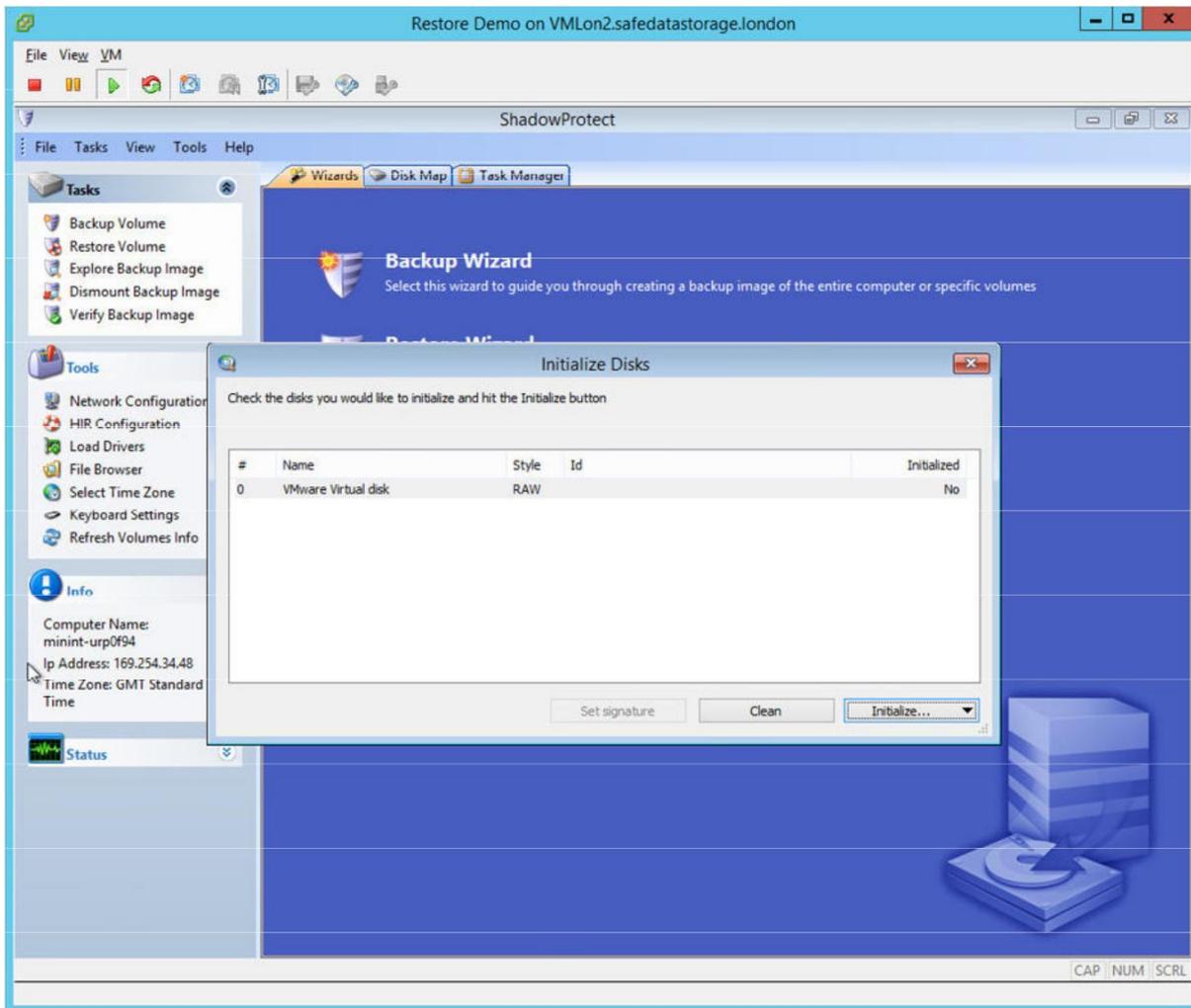
1. Download the latest Shadow Protect Recover Environment by logging into your FTP account at <http://ftp.onlinedatastorageuk.co.uk>. Download the “Storage Craft Recovery Environment” link, and then double click. This will download the latest Recover console ISO file for you to use either as an ISO or for you to burn to CD to boot your new server.
2. Boot the new server using recovery CD
3. If you’re local backup images are stored on the network select yes for network support. If it’s on a local USB drive plugged directly into the server you’re restoring, select no. In this example I’m restoring from a NAS device so I will click yes.



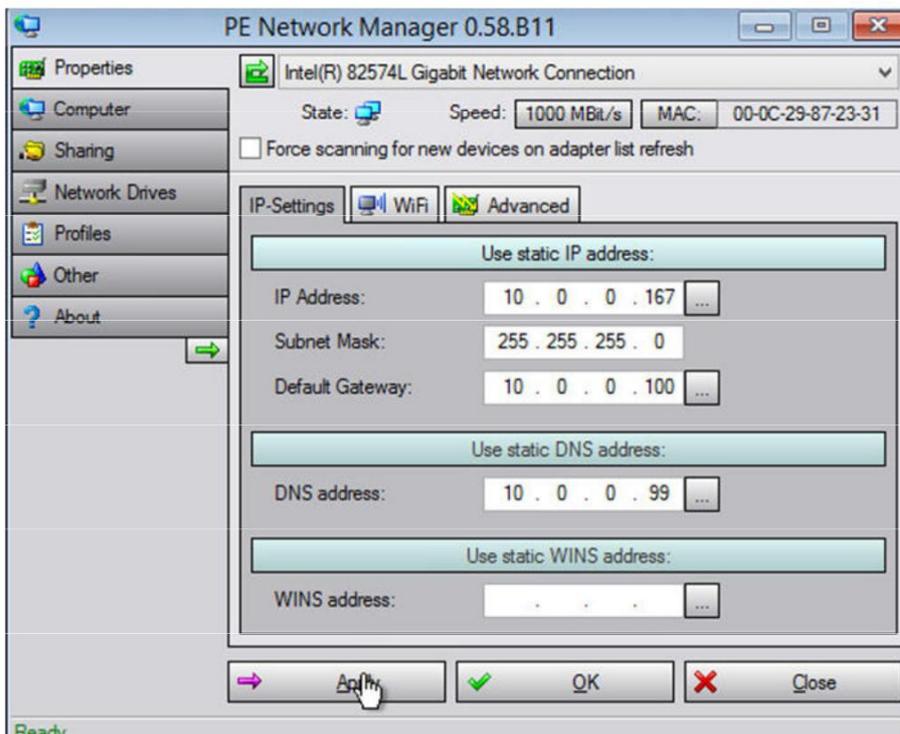
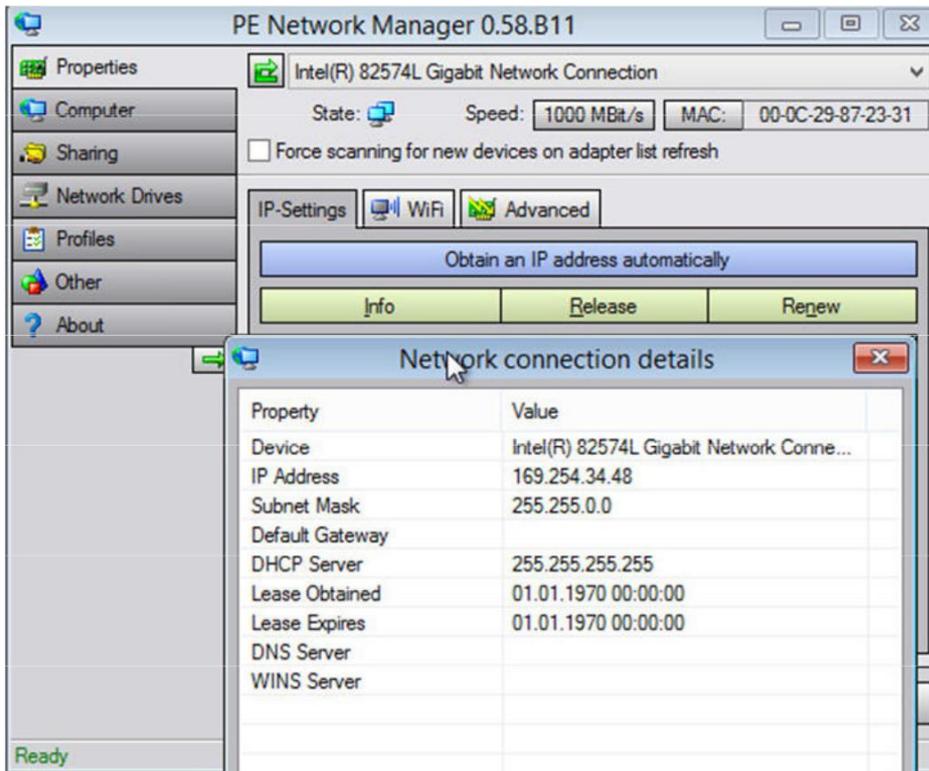
4. Select Time zone. This is important otherwise your local backup files will have the wrong time stamp when you select the image to restore.



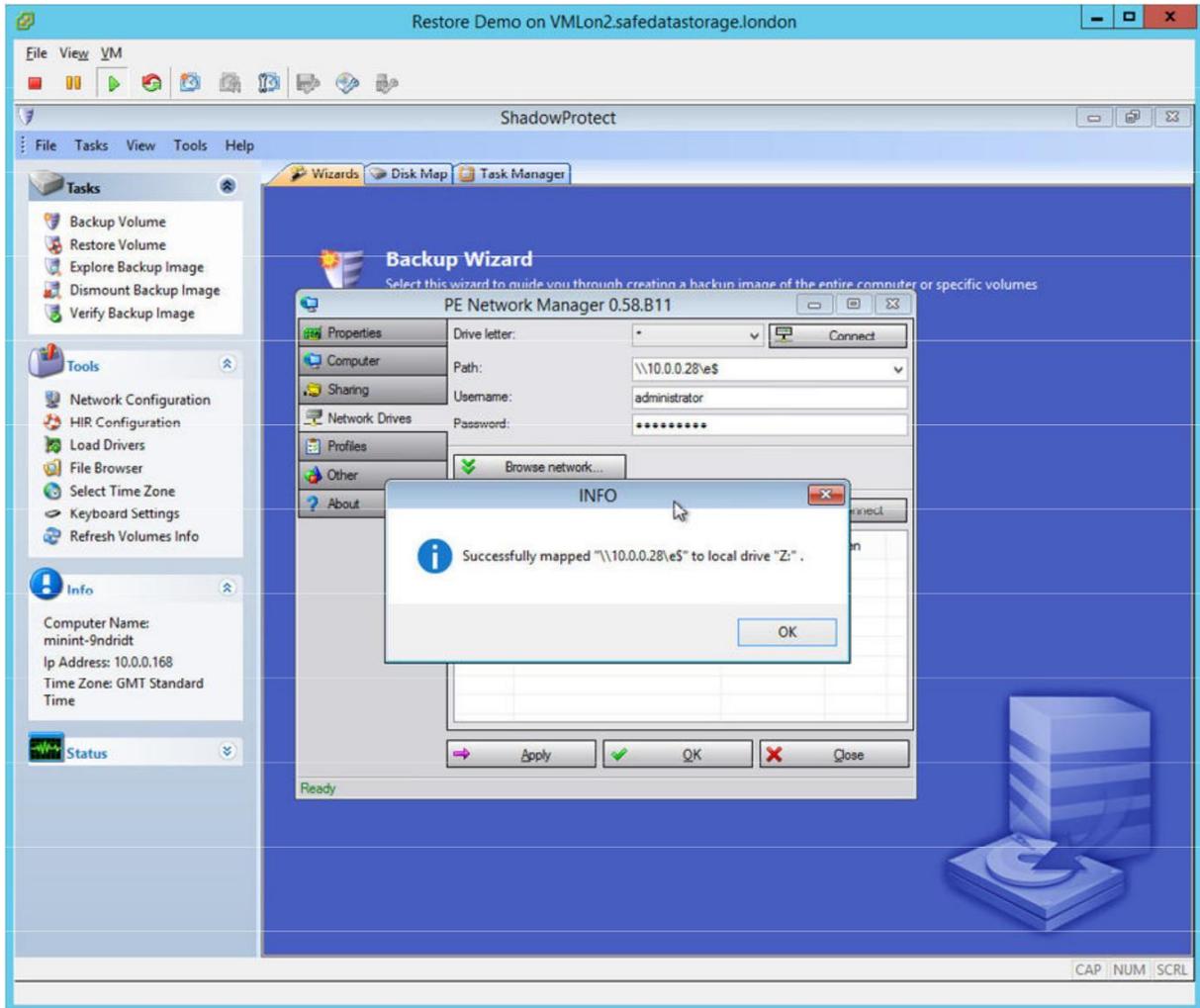
5. Because you have a new drive(s), you need to initialize it before it can be used. Highlight the disk and select Initialize. If it's a boot partition, use MBR. Once initialized close the box.



6. As we are restoring from a NAS, we next need to go into "Network Configuration" to map a drive to the NAS share where my local backups are stored. If you are restoring from USB, skip to step #10
7. If you have a DHCP server on your network, you should now have an IP address when you click on Info. If you don't, manually set an IP address. The two pictures below show using DHCP and when clicking on "Info" (which failed for this example with the 169.x.x.x IP address, so I clicked on "Obtain an IP Address" and entered an IP address

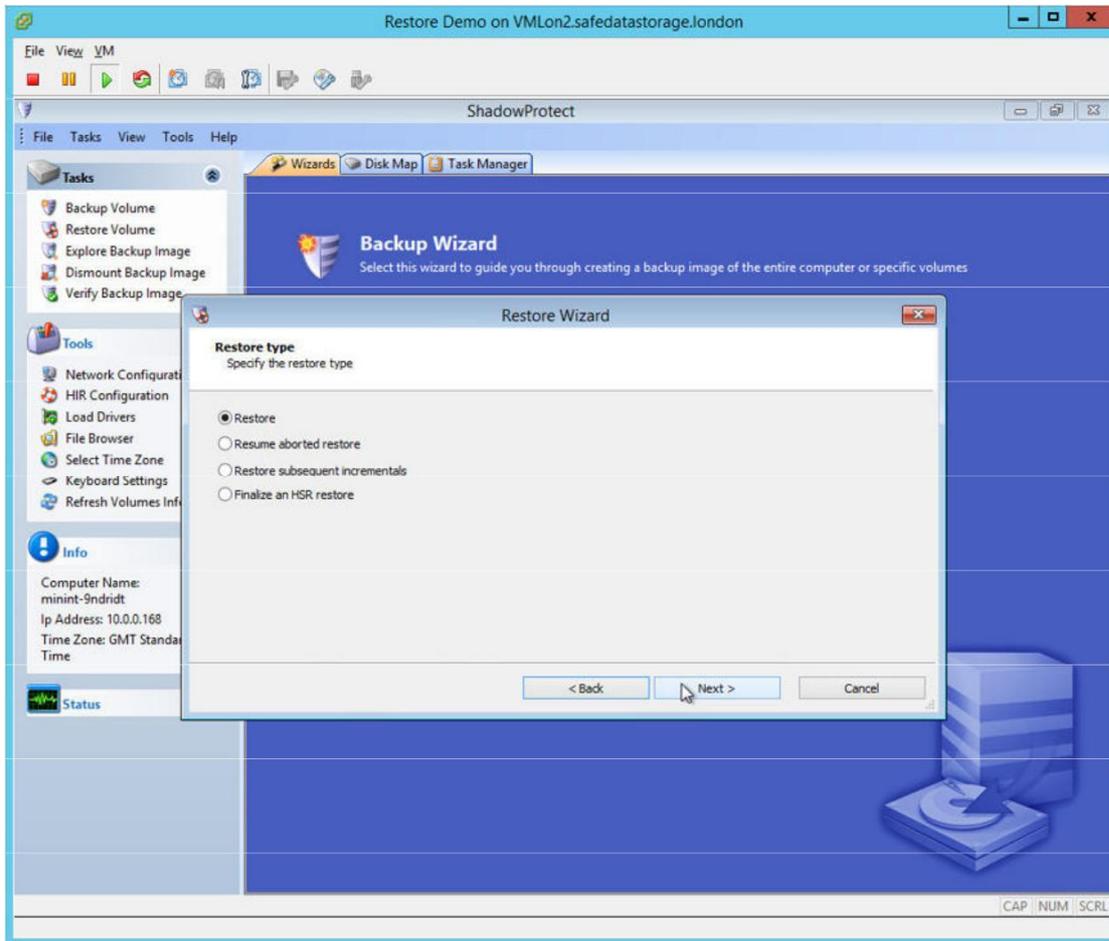


- Click Network drives and enter your NAS IP address, then share name in the Path section, along with user credentials to enable access and click connect. If you want to specify a drive letter select this from the drop down box for Drive Letter, otherwise it will auto assign a drive

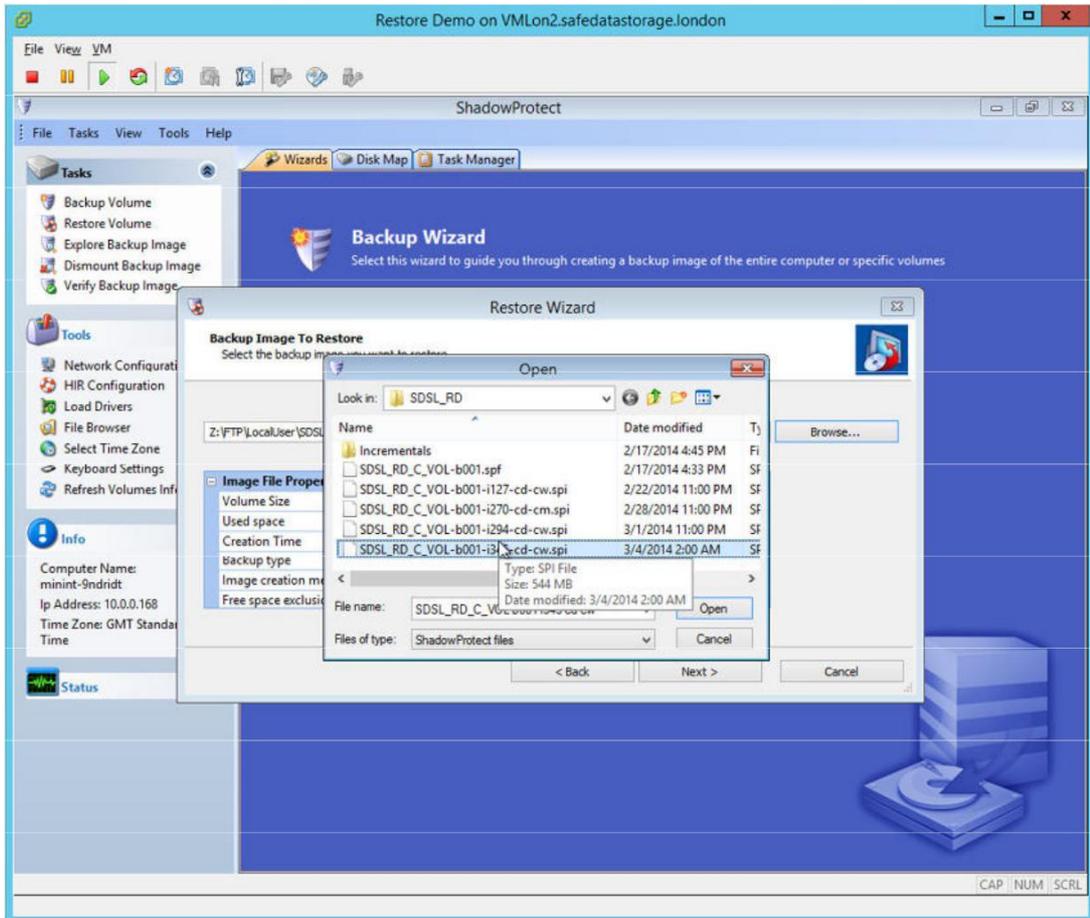


- Click Ok, then OK again to get you back to your main Wizard Screen
- Click Restore Wizard, then Next

11. In this example, we are restoring from scratch so click select Restore and click next. If you have been using Head Start restore (Select Finalize an HSR Restore) and click Next

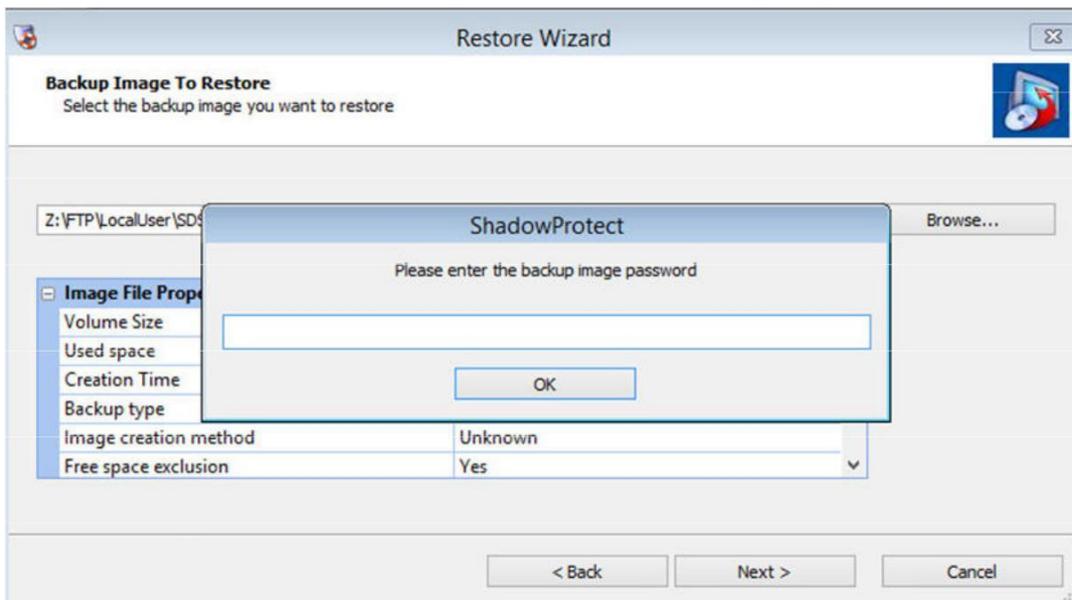


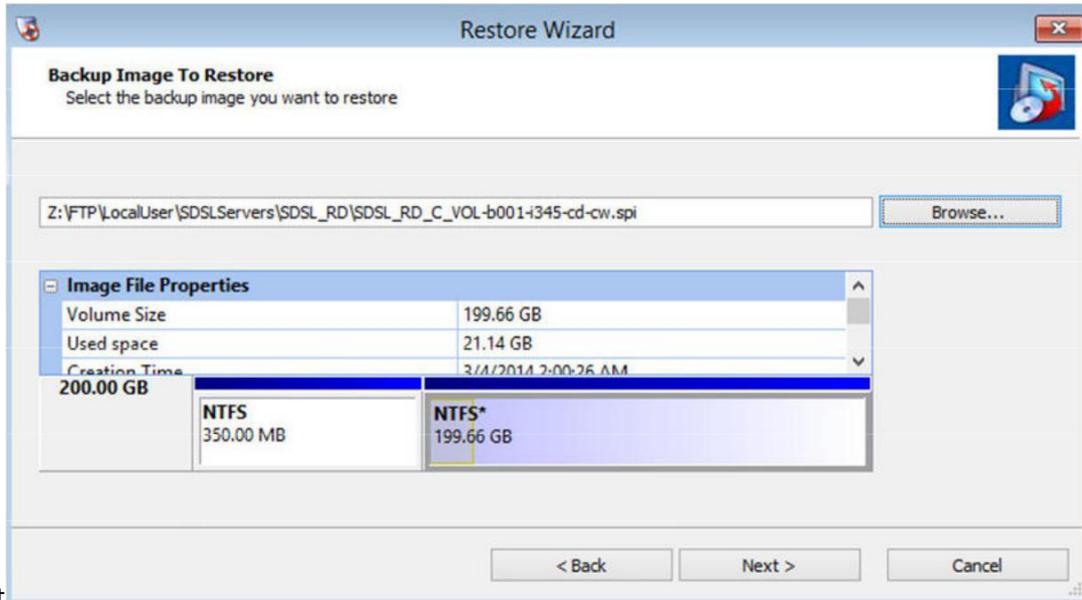
12. Click browse and locate your local backup images and select the image you want to restore from, then



click open.

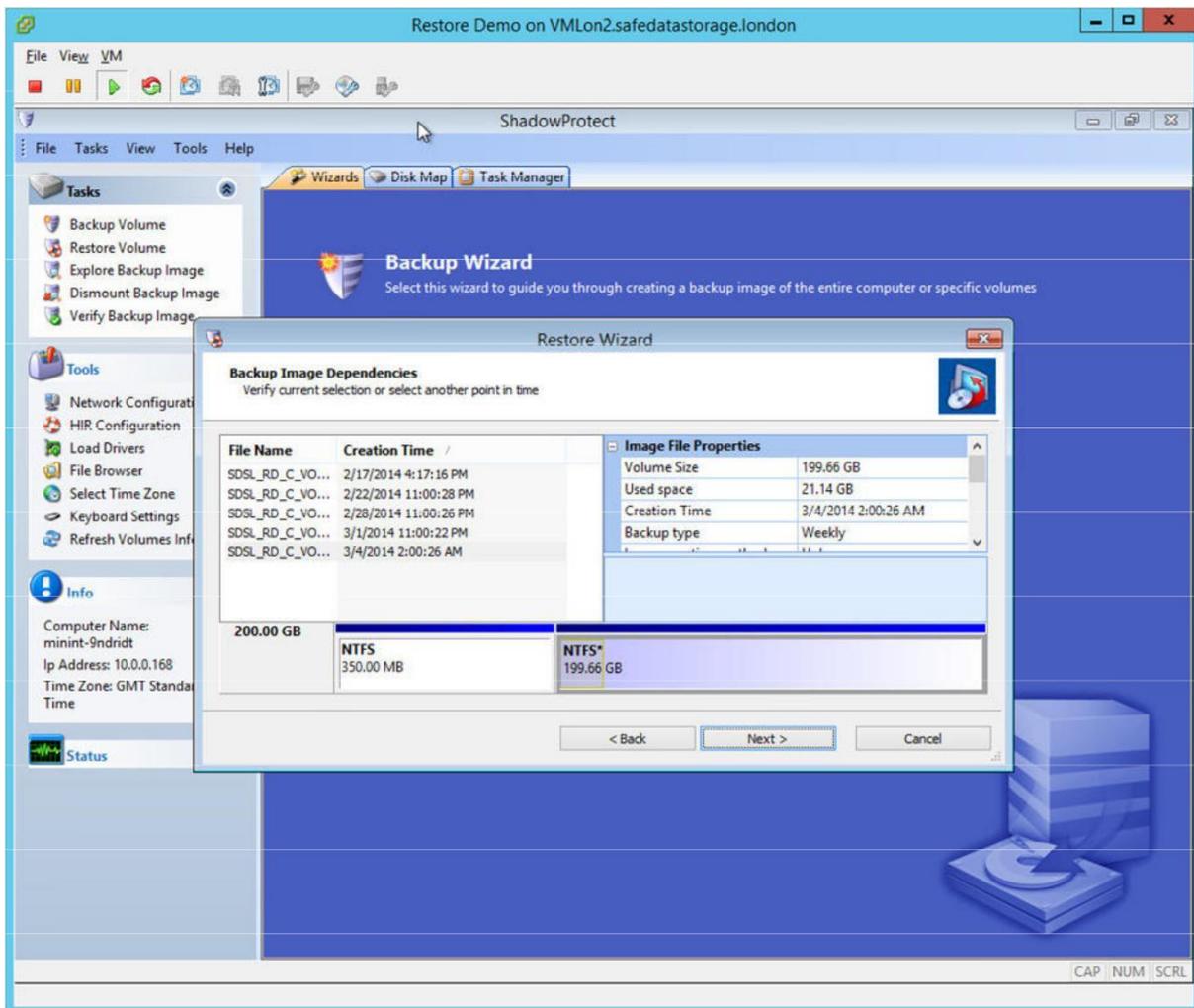
13. You will be prompted with a password box. This is the encryption key you set when creating your backup. You MUST enter this correctly. You will not be able to go any further without this key.



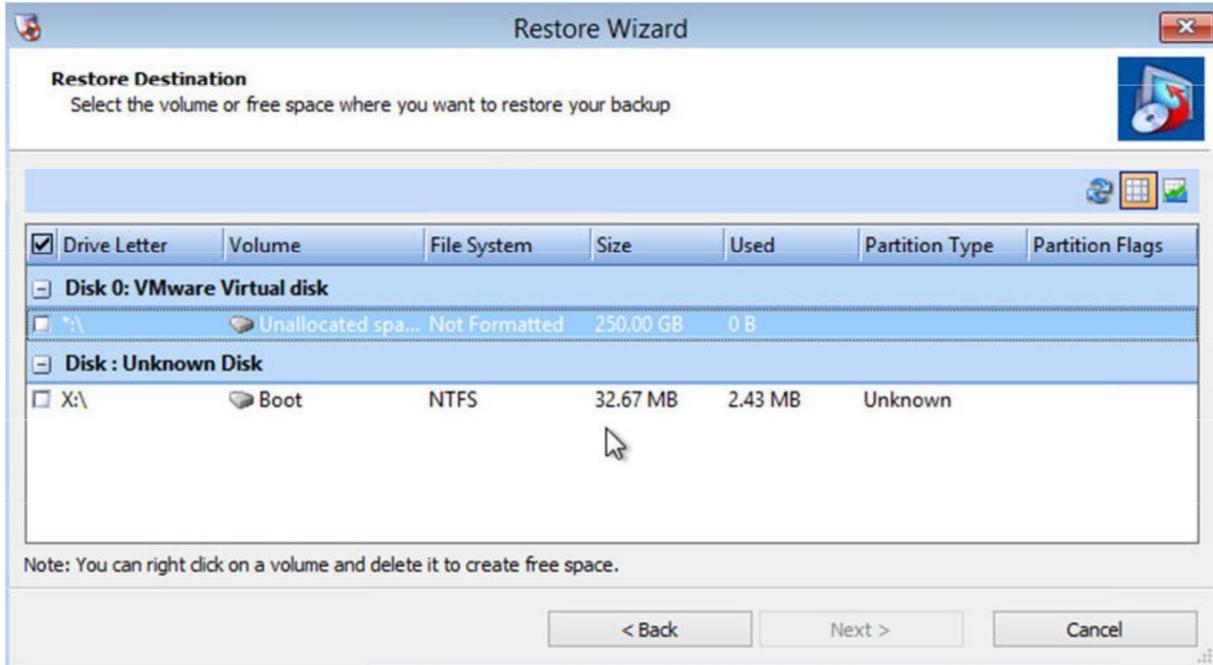


14. Click Next

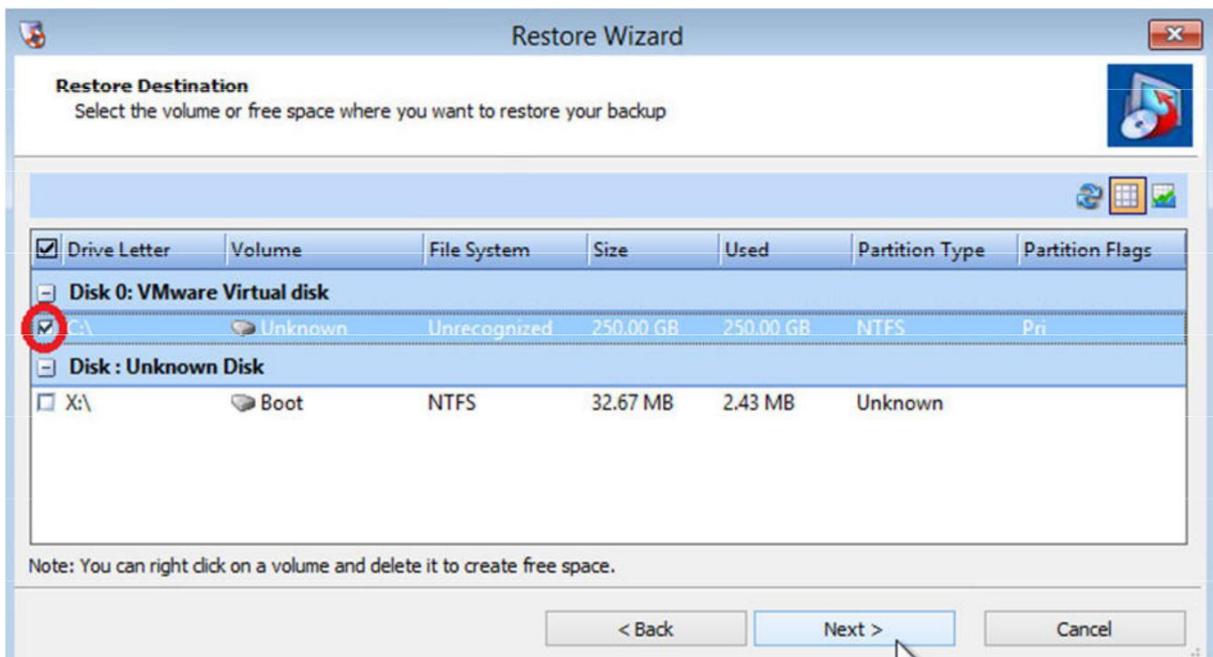
15. Verify the image chain files and click next



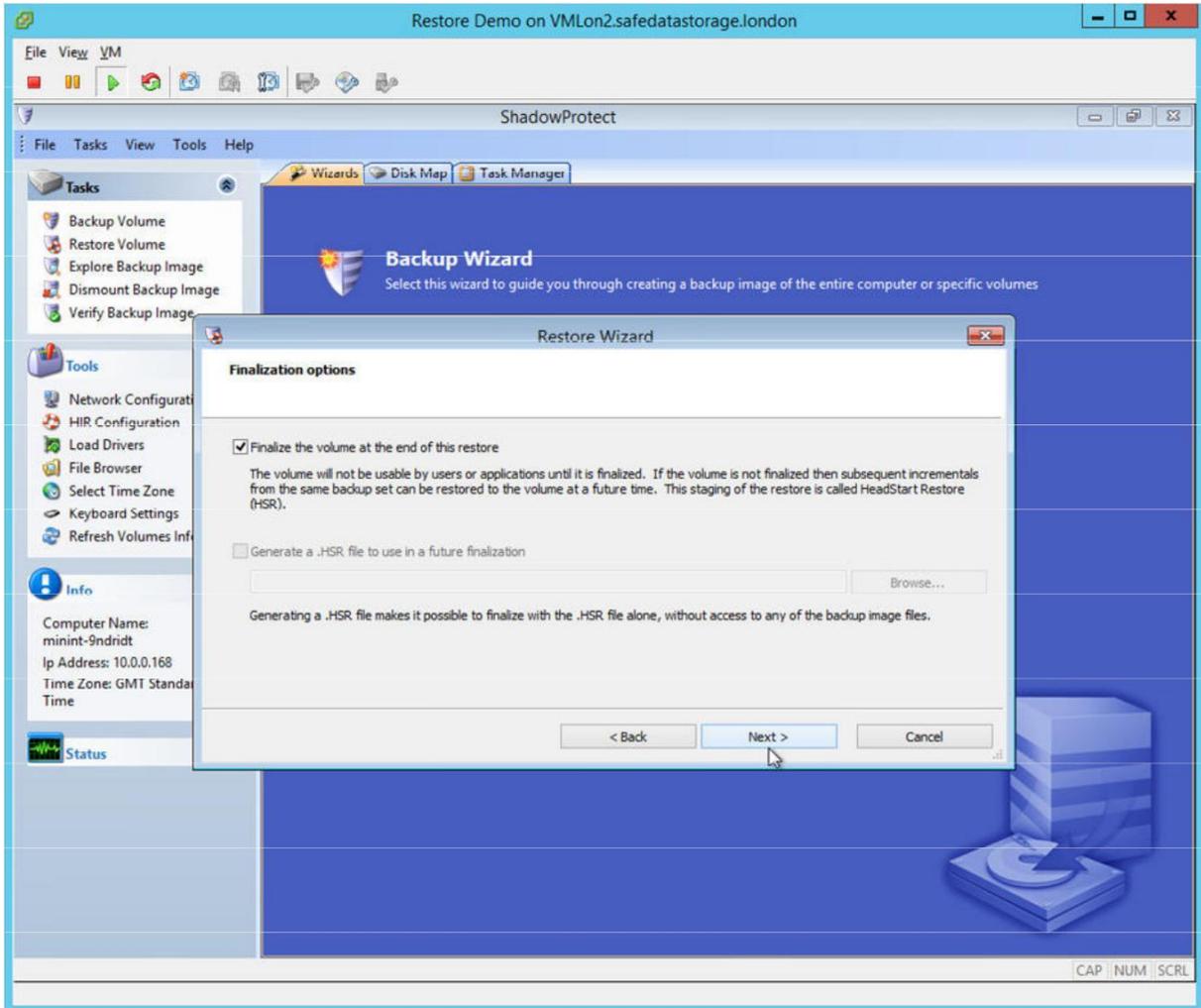
16. Right click on the Unallocated Space and select the partition that best suits your requirements. If in doubt, just select create primary partition using all of the unallocated disk space



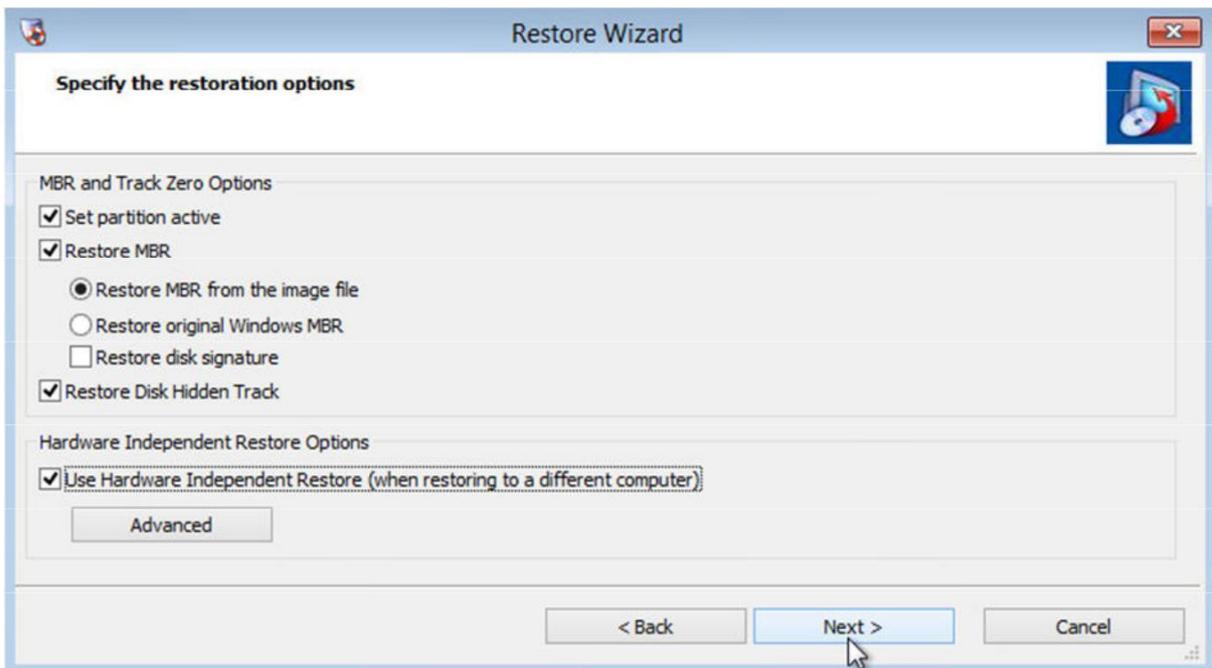
17. Select the drive then click next



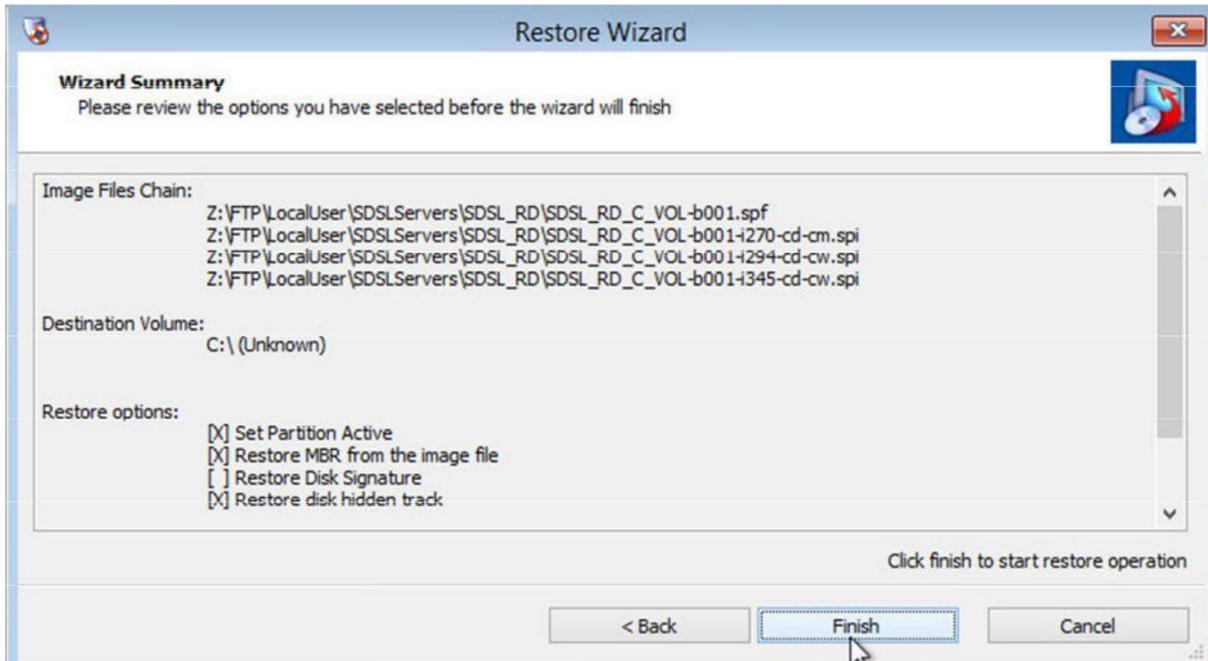
18. Select Finalize the volume and click next



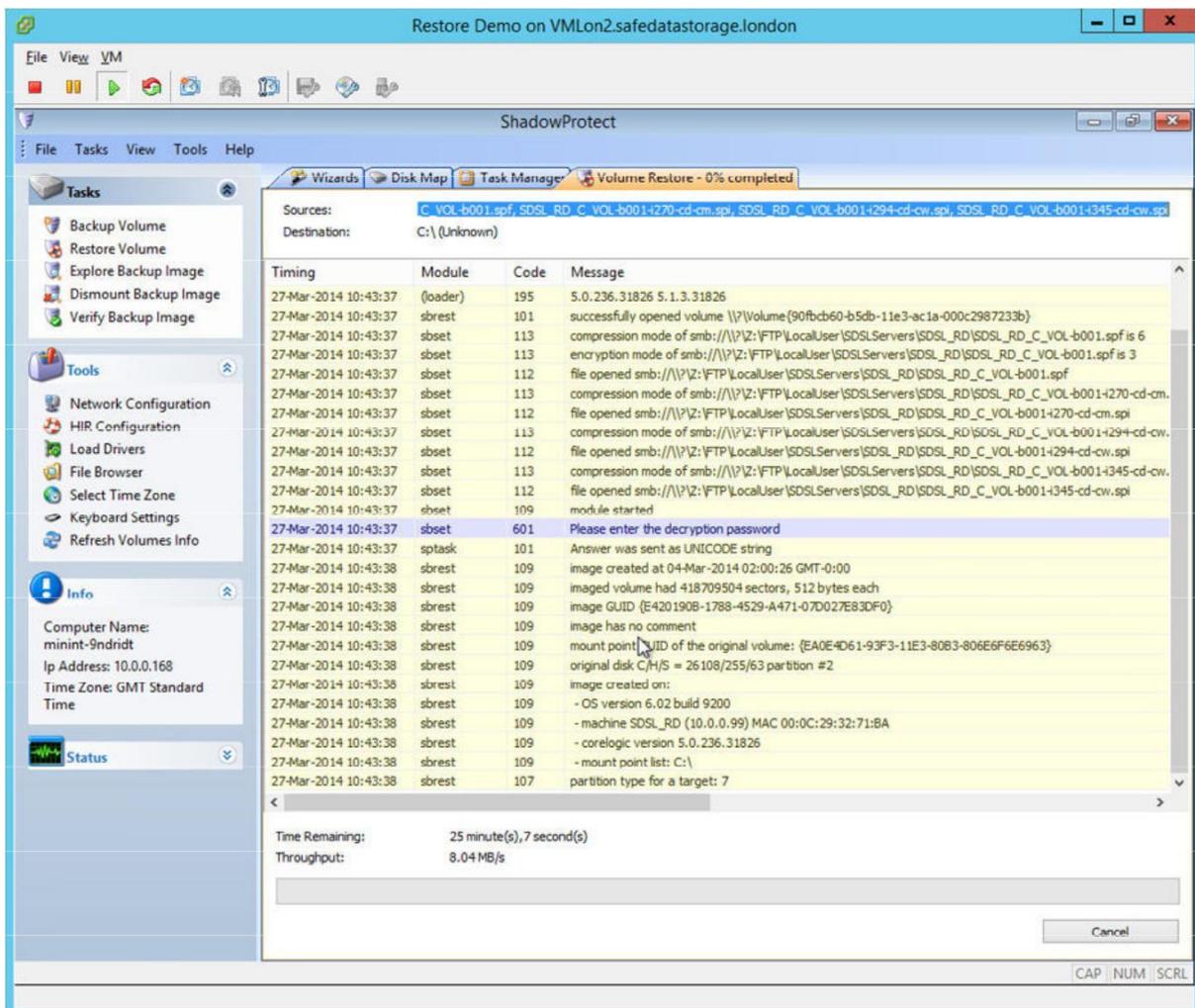
19. As we are restoring the primary partition, select options as below



20. Clicking next shows you the wizard Summary, and finish will start your restore



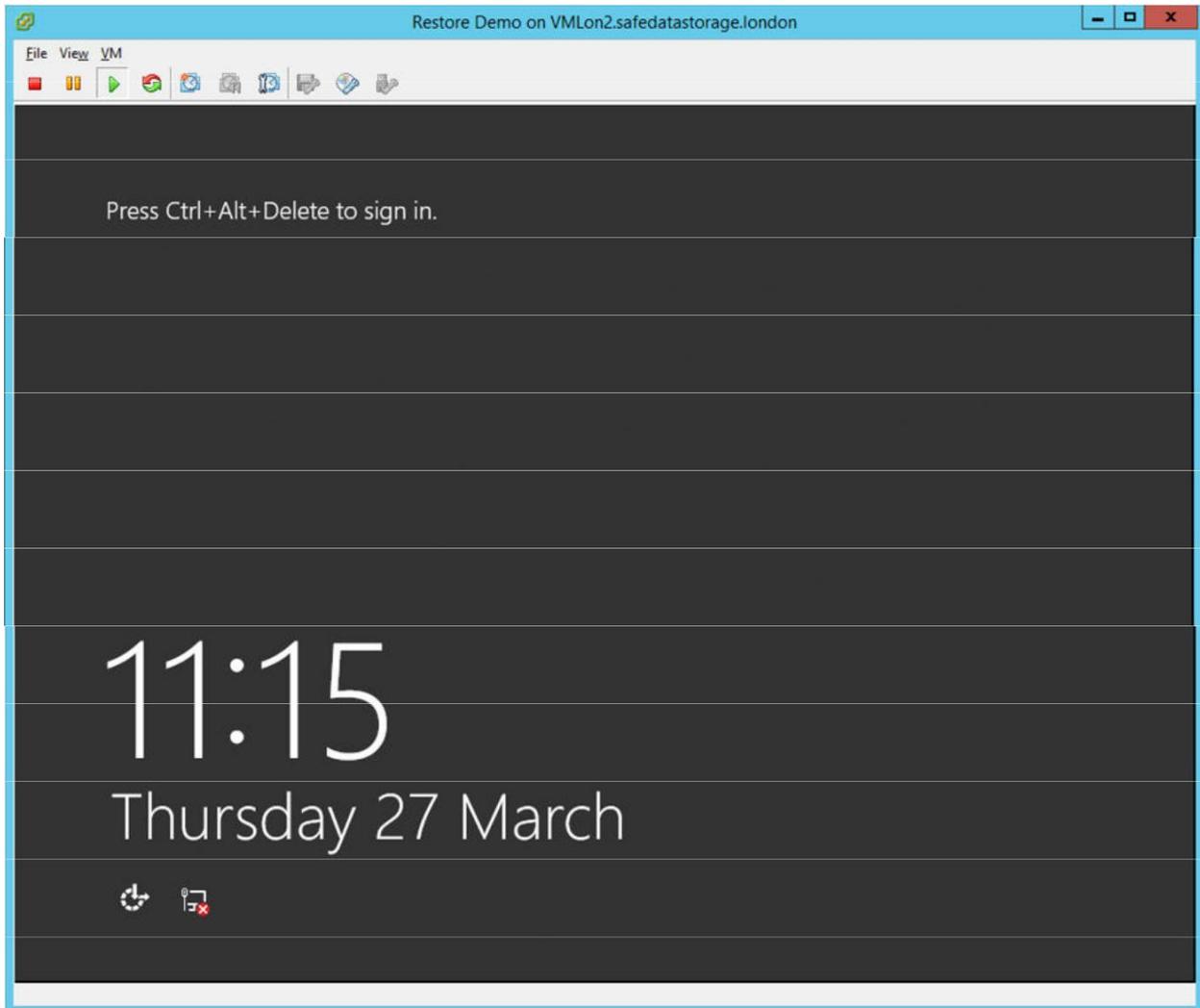
21. The restore will now start. You can view the job progress in task manager. Click show details to show more information.



22. Once finished, you can reboot the server and your server will boot.

Note. We have been caught out when the restore process shows 100% complete but it's actually still running Hardware Independent restore. Just make sure this has 100% finished before rebooting.

23. Restored server booted



24. If your server fails to boot, restart the server with the recovery console, and click on HSR Configuration, select the boot primary partition and click advance and add drivers for our disk controller, or select a better match, click OK then start.

