

## Special Steps required when restoring an Active Directory Domain Controller

Active Directory Domain Controllers (DC) require special attention after a Bare Metal Restore – when the first boot of a restored DC happens hit F8 and select AD restore mode, this ensures that AD will not run. Perform all the steps below and ensure that the correct IP address is configured to the LAN interface; this may take up to two reboots. If this is not done and the server is allowed to boot normally it will sit at the “Preparing Network Connections” for a considerable amount of time and possibly still fail.

1. Add the following environment variable into the system environment variables DEVMGR\_SHOW\_NONPRESENT\_DEVICES (NOTE all capitals) with a value of 1. To get to this value go to the “Start Menu” , right click on “my Computer” and select “Properties” – then go “advanced” and “Environment Variables” under “system Variables” select “new” and type values as listed above – click “OK” three times.

2. In Device Manager, use the right mouse click and select “Show hidden Devices” then navigate to network adapters. In this section you will find that some network adapter devices are greyed out or faint outlines. The old network cards that are not present can be safely removed by right clicking and selecting “uninstall”. Do not remove the "RAS ASYNC Adapter" NOTE ensure that the device manager window is not opened until the environment variable has been created as the Device Manager MMC will not refresh.