Restoring a UEFI/GPT System image to MBR

The Unified Extensible Firmware Interface (UEFI) is an interface between a computer's firmware and operating system. It is designed as a replacement for Basic Input/Output System (BIOS). UEFI supports hard disks with either master boot record (MBR) or the newer GUID Partition Table (GPT) system. GPT is a newer standard that supports disks larger than 2TiB and allows for more than four primary partitions per disk.

This article covers restoring a disk image of a UEFI/GPT system and enable the restored image to boot using legacy MBR booting.

Caution: We assume there are no other hardware differences between the system being imaged and the system being restored to. For dissimilar hardware, use ReDeploy.

1. Boot into Windows PE.
2. Open a Windows command window. To open a command window click the icon  on the taskbar.
3. Type:

```
diskpart
```

4. Type:

```
list disk
```

5. Select the disk number that you want to restore to. For example:

```
select disk 3
```

   Please ensure that you use the correct disk number in the above command.
6. Clean the selected disk:

```
clean
```

7. Ensure that the target disk is MBR formatted

```
convert mbr
```

8. Create the Microsoft System Reserved partition

```
create par pri size=300
```

9. Format the MSR partition:

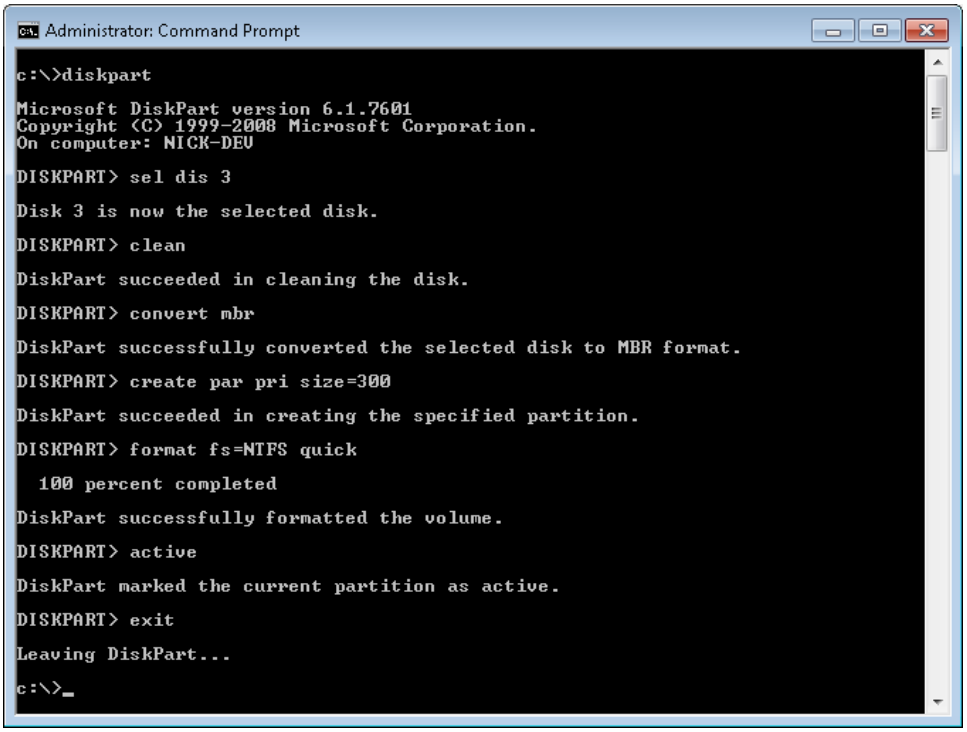
```
format fs=NTFS quick
```

10. Set the partition 'Active'

```
active
```

11. Exit Diskpart:

```
exit
```

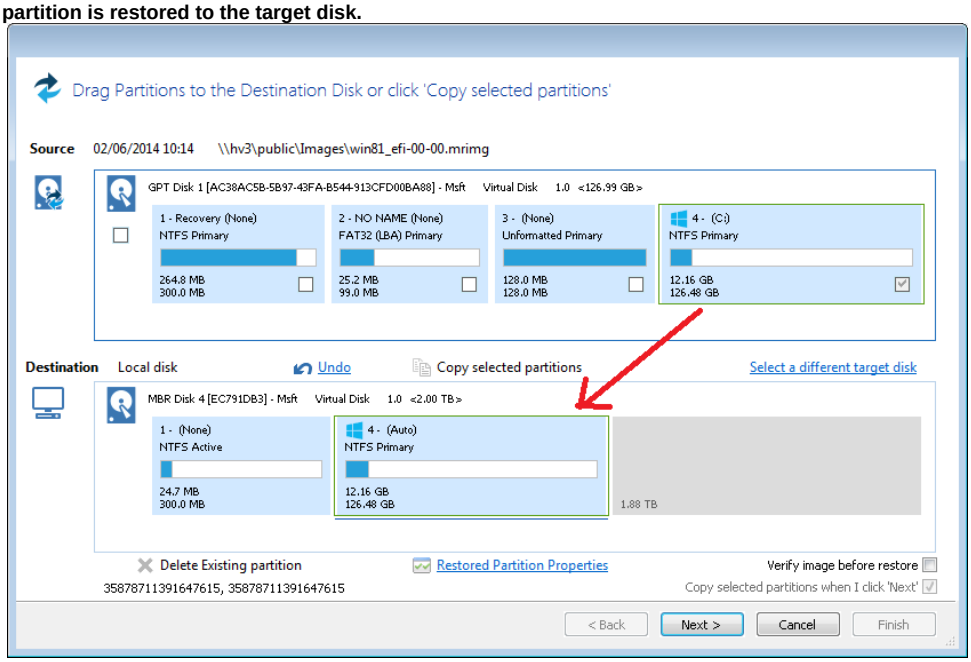


12. In Macrium Reflect, click **Backup tab.**

13. Click **Refresh** to read the newly initialized disk.

14. Click **Restore tab.**

15. Select the image file, **drag and drop just the Windows System partition** to the free space on the target disk. In **this example, only the 'C:' partition is restored to the target disk.**



Note: You can click **'Restored Partition Properties'** to resize the restored partition to fill the new disk if you wish.

16. Follow the steps in the section **Fix boot problems on MBR/BIOS systems** in the following KB article:
Fixing Windows boot problems

Note: You should select the newly created 300MB partition as the 'Active' partition when running 'Fix Boot Problems'