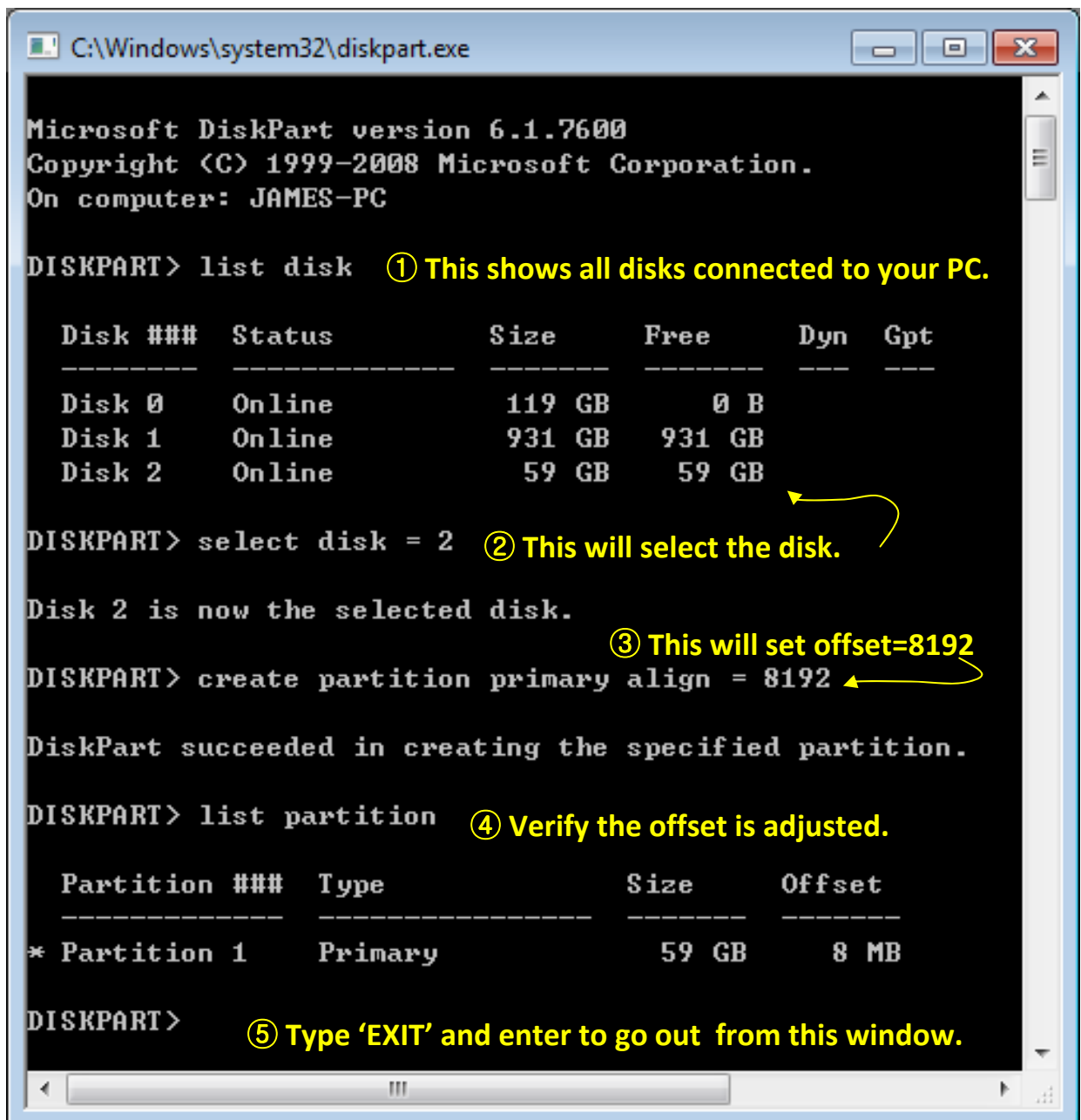


SSD Disk Alignment with *diskpart.exe* command

1. Preparation: Delete volume using disk management of Windows 7 or VISTA.
2. Go into the command prompt and type diskpart and enter
3. The following command windows will pop up.
4. Follow the instruction number: We recommend offset=2048 or 4096 for SSD.



The screenshot shows a Windows command prompt window titled "C:\Windows\system32\diskpart.exe". The window displays the Microsoft DiskPart version 6.1.7600 interface. The user has entered the command "list disk", which shows three disks: Disk 0 (119 GB), Disk 1 (931 GB), and Disk 2 (59 GB). The user then enters "select disk = 2", selecting Disk 2. Next, the user enters "create partition primary align = 8192", which creates a primary partition aligned at 8192. Finally, the user enters "list partition", showing a single partition (Partition 1) with a size of 59 GB and an offset of 8 MB. The window also shows the user's computer name as JAMES-PC.

```

Microsoft DiskPart version 6.1.7600
Copyright (C) 1999-2008 Microsoft Corporation.
On computer: JAMES-PC

DISKPART> list disk ① This shows all disks connected to your PC.

   Disk ###  Status              Size               Free              Dyn  Gpt
   -----  -
   Disk 0    Online                119 GB              0 B
   Disk 1    Online                931 GB             931 GB
   Disk 2    Online                 59 GB              59 GB

DISKPART> select disk = 2 ② This will select the disk.

Disk 2 is now the selected disk.

DISKPART> create partition primary align = 8192 ③ This will set offset=8192

DiskPart succeeded in creating the specified partition.

DISKPART> list partition ④ Verify the offset is adjusted.

   Partition ###  Type              Size               Offset
   -----  -
   * Partition 1   Primary           59 GB              8 MB

DISKPART> ⑤ Type 'EXIT' and enter to go out from this window.
  
```

SSD Disk Alignment with *diskpart.exe* command

5. On completion of the disk alignment, you need to do:
 - 1) Using disk management, Format the disk
 - 2) Generate the driver letter such as D, E, F, G, ...
 - 3) Disk alignment is done.
 - 4) Next, you can just install the OS on that disk.
 - 5) If you are using Windows 7 OS, you may not need to do disk alignment.
 - 6) For RAIDdrive, you may need to set it up with 64MB or 128MB offset.

5. For your information:
 - 1) Windows XP NTFS starting sector is 64th (Sector 63)
 - 2) Windows VISTA and Windows 7 starting sector is 2049th (Sector 2048)
 - 3) The simplest way of disk alignment is using Windows7.
 - a) After running Step A and B, initialize and format the drive.
 - b) We recommend **multiple folders instead of multiple partition.**
 - 4) Windows XP may not support the disk alignment command
 - a) In this case, you may need Windows 7 base PC.
 - 5) With the right disk alignment, you can get the best performance.

For further questions on this disk alignment tool, please contact:

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