

CM1604 Computer Systems Fundamentals

Tutorial No: 06

HxD - [C:\Users\Admin\Downloads\Disk Sector 0.dd]

| | | | | | | | | | | | | | | | | | |
|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------------|
| File Edit Search View Analysis Tools Window Help | | | | | | | | | | | | | | | | | |
| 16 Windows (ANSI) dec | | | | | | | | | | | | | | | | | |
| Disk Sector 0.dd | | | | | | | | | | | | | | | | | |
| Offset (d) | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | Decoded text |
| 00000000 | 33 | C0 | 8E | D0 | BC | 00 | 7C | FB | 50 | 07 | 50 | 1F | FC | BE | 1B | 7C | 3ÄŽB4. ûP.P.û%. |
| 00000016 | BF | 1B | 06 | 50 | 57 | B9 | E5 | 01 | F3 | A4 | CB | BD | BE | 07 | B1 | 04 | ç..PW*â.ôuE*%.±. |
| 00000032 | 38 | 6E | 00 | 7C | 09 | 75 | 13 | 83 | C5 | 10 | E2 | F4 | CD | 18 | 8B | F5 | 8n. .u.fÄ.âôÍ.<ô |
| 00000048 | 83 | C6 | 10 | 49 | 74 | 19 | 38 | 2C | 74 | F6 | A0 | B5 | 07 | B4 | 07 | 8B | fÆ.It.8,tô µ.'.< |
| 00000064 | F0 | AC | 3C | 00 | 74 | FC | BB | 07 | 00 | B4 | 0E | CD | 10 | EB | F2 | 88 | ô-<.tü»...'.î.ëò^ |
| 00000080 | 4E | 10 | E8 | 46 | 00 | 73 | 2A | FE | 46 | 10 | 80 | 7E | 04 | 0B | 74 | 0B | N.èF.s*pF.ë~..t. |
| 00000096 | 80 | 7E | 04 | 0C | 74 | 05 | A0 | B6 | 07 | 75 | D2 | 80 | 46 | 02 | 06 | 83 | ë~..t. ¶.uò€F..f |
| 00000112 | 46 | 08 | 06 | 83 | 56 | 0A | 00 | E8 | 21 | 00 | 73 | 05 | A0 | B6 | 07 | EB | F..fV...è!.s. ¶.ë |
| 00000128 | BC | 81 | 3E | FE | 7D | 55 | AA | 74 | 0B | 80 | 7E | 10 | 00 | 74 | C8 | A0 | 4.>p)U*t.ë~..tE |
| 00000144 | B7 | 07 | EB | A9 | 8B | FC | 1E | 57 | 8B | F5 | CB | BF | 05 | 00 | 8A | 56 | ..ëòû.W<ôEç..ŠV |
| 00000160 | 00 | B4 | 08 | CD | 13 | 72 | 23 | 8A | C1 | 24 | 3F | 98 | 8A | DE | 8A | FC | ..'.î.r#ŠÄ?~ŠBŠû |
| 00000176 | 43 | F7 | E3 | 8B | D1 | 86 | D6 | B1 | 06 | D2 | EE | 42 | F7 | E2 | 39 | 56 | C-â<Ntô±.ôîB-â9V |
| 00000192 | 0A | 77 | 23 | 72 | 05 | 39 | 46 | 08 | 73 | 1C | B8 | 01 | 02 | BB | 00 | 7C | .w#r.9F.s.,...». |
| 00000208 | 8B | 4E | 02 | 8B | 56 | 00 | CD | 13 | 73 | 51 | 4F | 74 | 4E | 32 | E4 | 8A | <N.<V.î.sQOtN2âŠ |
| 00000224 | 56 | 00 | CD | 13 | EB | E4 | 8A | 56 | 00 | 60 | BB | AA | 55 | B4 | 41 | CD | V.î.ëâŠV.`»*U'Aí |
| 00000240 | 13 | 72 | 36 | 81 | FB | 55 | AA | 75 | 30 | F6 | C1 | 01 | 74 | 2B | 61 | 60 | .r6.ûU*uòôÄ.t+a` |
| 00000256 | 6A | 00 | 6A | 00 | FF | 76 | 0A | FF | 76 | 08 | 6A | 00 | 68 | 00 | 7C | 6A | j.j.ÿv.ÿv.j.h. j |
| 00000272 | 01 | 6A | 10 | B4 | 42 | 8B | F4 | CD | 13 | 61 | 61 | 73 | 0E | 4F | 74 | 0B | .j.'B<ôÍ.aas.Ot. |
| 00000288 | 32 | E4 | 8A | 56 | 00 | CD | 13 | EB | D6 | 61 | F9 | C3 | 49 | 6E | 76 | 61 | 2âŠV.î.ëôâûÄInva |
| 00000304 | 6C | 69 | 64 | 20 | 70 | 61 | 72 | 74 | 69 | 74 | 69 | 6F | 6E | 20 | 74 | 61 | lid partition ta |
| 00000320 | 62 | 6C | 65 | 00 | 45 | 72 | 72 | 6F | 72 | 20 | 6C | 6F | 61 | 64 | 69 | 6E | ble.Error loadin |
| 00000336 | 67 | 20 | 6F | 70 | 65 | 72 | 61 | 74 | 69 | 6E | 67 | 20 | 73 | 79 | 73 | 74 | g operating syst |
| 00000352 | 65 | 6D | 00 | 4D | 69 | 73 | 73 | 69 | 6E | 67 | 20 | 6F | 70 | 65 | 72 | 61 | em.Missing opera |
| 00000368 | 74 | 69 | 6E | 67 | 20 | 73 | 79 | 73 | 74 | 65 | 6D | 00 | 00 | 00 | 00 | 00 | ting system..... |
| 00000384 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | |
| 00000400 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | |
| 00000416 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | |
| 00000432 | 00 | 00 | 00 | 00 | 00 | 2C | 44 | 63 | 54 | D5 | E1 | 35 | 00 | 00 | 00 | 01 |,DcTôâ5.... |
| 00000448 | 01 | 00 | 01 | FE | 3F | 00 | 3F | 00 | 00 | 00 | 82 | 3E | 00 | 00 | 00 | 00 | ...p?..?....>.... |
| 00000464 | 01 | 01 | 0B | FE | 3F | 08 | C1 | 3E | 00 | 00 | 08 | F6 | 01 | 00 | 00 | 00 | ...p?.Ä>...ô.... |
| 00000480 | 01 | 09 | 07 | FE | FF | 13 | C9 | 34 | 02 | 00 | 4B | F5 | BE | 00 | 00 | 00 | ...pÿ.É4...Kô%... |
| 00000496 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 55 | AA |U* |

Fig.01 Disk Sector Zero image

Using the Fig.01 Disk Sector Zero image, answer the following questions:

Question 01.

- i. Number of Bootable Partitions?
- ii. File System installed in the first partition?
- iii. First partition starting LBA address in little endian format?
- iv. First partition starting LBA address in big endian format?
- v. First partition starting LBA address in sectors?
- vi. Size of the first partition in little endian format?
- vii. Size of the first partition in sectors?
- viii. Size of the first partition in KB?

Question 02.

- i. File System installed in the second partition?
- ii. Second partition starting LBA address in little endian format?
- iii. Second partition starting LBA address in big endian format?
- iv. Second partition starting LBA address in sectors?
- v. Size of the second partition in little endian format?
- vi. Size of the second partition in sectors?
- vii. Size of the second partition in MB?

Question 03.

- i. File System installed in the third partition?
- ii. Third partition starting LBA address in little endian format?
- iii. Third partition starting LBA address in big endian format?
- iv. Third partition starting LBA address in sectors?
- v. Size of the third partition in little endian format?
- vi. Size of the third partition in sectors?
- vii. Size of the third partition in KB?