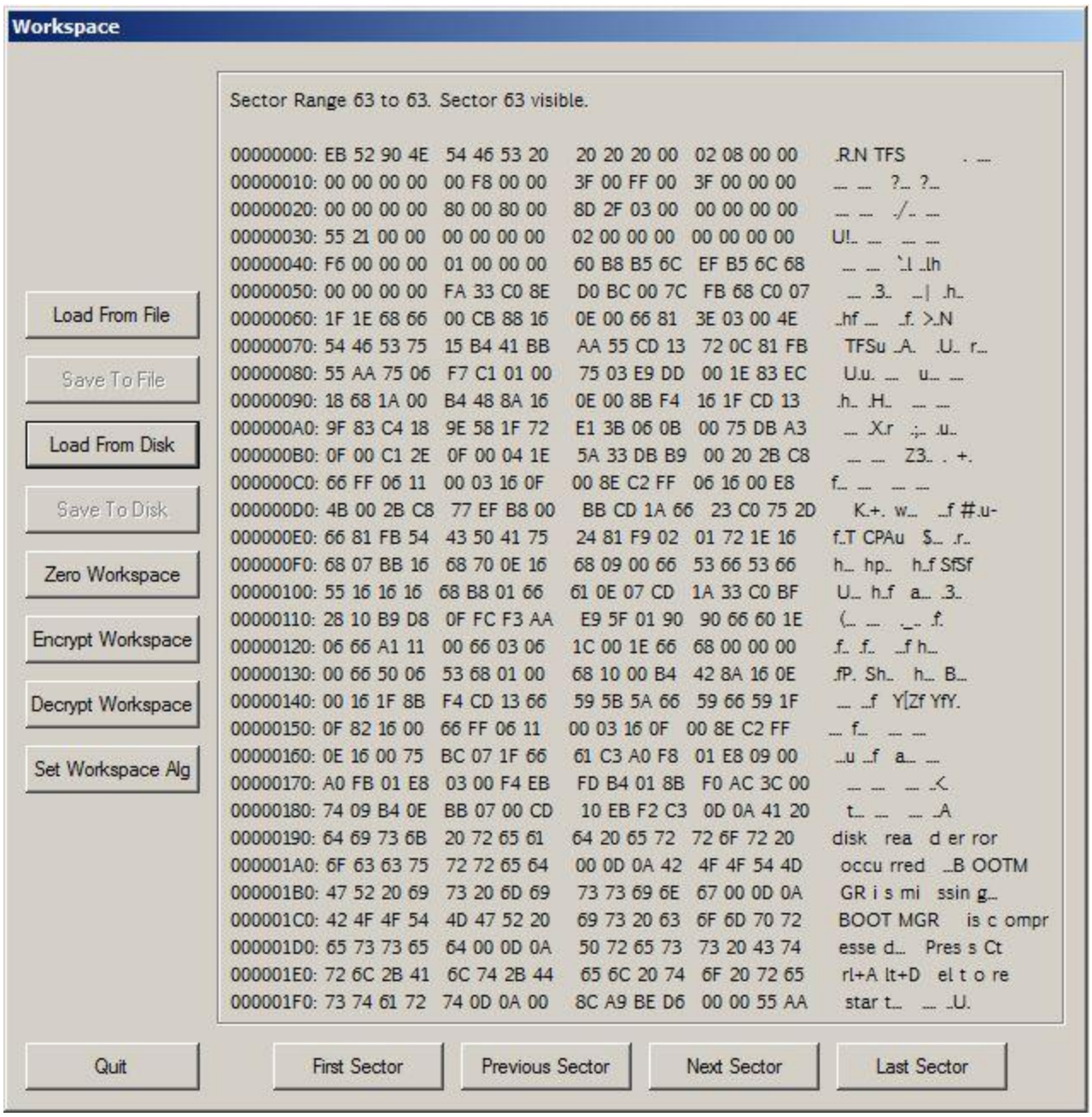
The steps below will allow us to confirm not only if the drive is encrypted but also if we are using the correct XML file using the DETech tool.

1. Go to Disk information and document the start sector and sector count for the drive and partition(s) we are want to verify encryption on.
2. Then, open up the Workspace and choose “load from disk” | select the disk | type in the start sector | and 1 (one) for the number of sectors | then click OK.
3. On the right hand side of the window, can you make out any words? (Please see image below). If you see something similar to the image below, this sector is not encrypted.
4. If you only see do not see anything readable to you, select “decrypt workspace.” (This is just decrypting the loaded sector in memory, so we are not decrypting anything on the actual disk.)
5. Now that the loaded sector is decrypted, can you make out any words? (Please see image below for sample)… Normally the start sector of a hard drive is sector 63, and you should be able to read phrase such as the one on the screenshot.
6. Now you have successfully confirmed that you have authenticated with the correct XML, but the next step is to confirm the last sector of the drive is also encrypted. (You do not have to do this if all you need to do is verify the correct key or .XML file is being used.)
7. To do this, add up the start sector plus the sector count collected from disk information (Start Sector + Sector Count = Last Sector) and follow steps 1 through 5 using the last sector…
    a. If the first and last sectors are encrypted, then whole drive is encrypted
    b. If the first and last sectors are encrypted, then the whole drive is NOT encrypted.
    c. If the first sector is NOT encrypted but the last sector is or vice versa, then drive is partially encrypted.


Workspace
Sector Range 63 to 63. Sector 63 visible.
00000000: EB 52 90 4E 54 46 53 20 20 20 20 00 02 08 00 00 .R.N TFS . ...
00000010: 00 00 00 00 00 F8 00 00 3F 00 FF 00 3F 00 00 00 ... ... ?... ?...
00000020: 00 00 00 00 80 00 80 00 8D 2F 03 00 00 00 00 00 ... ./.. ...
00000030: 55 21 00 00 00 00 00 00 02 00 00 00 00 00 00 00 U!.. ... ...
00000040: F6 00 00 00 01 00 00 00 60 B8 B5 6C EF B5 6C 68 ... ... `.l ..lh
00000050: 00 00 00 00 FA 33 C0 8E D0 BC 00 7C FB 68 C0 07 ... .3.. ..| .h..
00000060: 1F 1E 68 66 00 CB 88 16 0E 00 66 81 3E 03 00 4E ..hf .... ..f. >..N
00000070: 54 46 53 75 15 B4 41 BB AA 55 CD 13 72 0C 81 FB TFSu ..A. .U.. r...
00000080: 55 AA 75 06 F7 C1 01 00 75 03 E9 DD 00 1E 83 EC U.u. .... u... ....
00000090: 18 68 1A 00 B4 48 8A 16 0E 00 8B F4 16 1F CD 13 .h.. .H.. ....
000000A0: 9F 83 C4 18 9E 58 1F 72 E1 3B 06 0B 00 75 DB A3 .... .X.r .;... .u..
000000B0: 0F 00 C1 2E 0F 00 04 1E 5A 33 DB B9 00 20 2B C8 .... Z3.. . +.
000000C0: 66 FF 06 11 00 03 16 0F 00 8E C2 FF 06 16 00 E8 f... ....
000000D0: 4B 00 2B C8 77 EF B8 00 BB CD 1A 66 23 C0 75 2D K.+. w... ...f #.u-
000000E0: 66 81 FB 54 43 50 41 75 24 81 F9 02 01 72 1E 16 f..T CPAu $.... .r..
000000F0: 68 07 BB 16 68 70 0E 16 68 09 00 66 53 66 53 66 h... hp.. h..f SfSf
00000100: 55 16 16 16 68 B8 01 66 61 0E 07 CD 1A 33 C0 BF U... h..f a... .3..
00000110: 28 10 B9 D8 0F FC F3 AA E9 5F 01 90 90 66 60 1E (... .... ._.. .f.
00000120: 06 66 A1 11 00 66 03 06 1C 00 1E 66 68 00 00 00 .f.. .f.. ...f h...
00000130: 00 66 50 06 53 68 01 00 68 10 00 B4 42 8A 16 0E .fP. Sh.. h... B...
00000140: 00 16 1F 8B F4 CD 13 66 59 5B 5A 66 59 66 59 1F ....f Y[Zf YfY.
00000150: 0F 82 16 00 66 FF 06 11 00 03 16 0F 00 8E C2 FF .... f... ....
00000160: 0E 16 00 75 BC 07 1F 66 61 C3 A0 F8 01 E8 09 00 ...u ...f a... ....
00000170: A0 FB 01 E8 03 00 F4 EB FD B4 01 8B F0 AC 3C 00 ....<.
00000180: 74 09 B4 0E BB 07 00 CD 10 EB F2 C3 0D 0A 41 20 t... ....A
00000190: 64 69 73 6B 20 72 65 61 64 20 65 72 72 6F 72 20 disk rea d er ror
000001A0: 6F 63 63 75 72 72 65 64 00 0D 0A 42 4F 4F 54 4D occu rred ...B OOTM
000001B0: 47 52 20 69 73 20 6D 69 73 73 69 6E 67 00 0D 0A GR i s mi ssin g...
000001C0: 42 4F 4F 54 4D 47 52 20 69 73 20 63 6F 6D 70 72 BOOT MGR is c ompr
000001D0: 65 73 73 65 64 00 0D 0A 50 72 65 73 73 20 43 74 esse d... Pres s Ct
000001E0: 72 6C 2B 41 6C 74 2B 44 65 6C 20 74 6F 20 72 65 rl+A lt+D el t o re
000001F0: 73 74 61 72 74 0D 0A 00 8C A9 BE D6 00 00 55 AA star t... .... ..U.
Load From File
Save To File
Load From Disk
Save To Disk
Zero Workspace
Encrypt Workspace
Decrypt Workspace
Set Workspace Alg
Quit
First Sector
Previous Sector
Next Sector
Last Sector