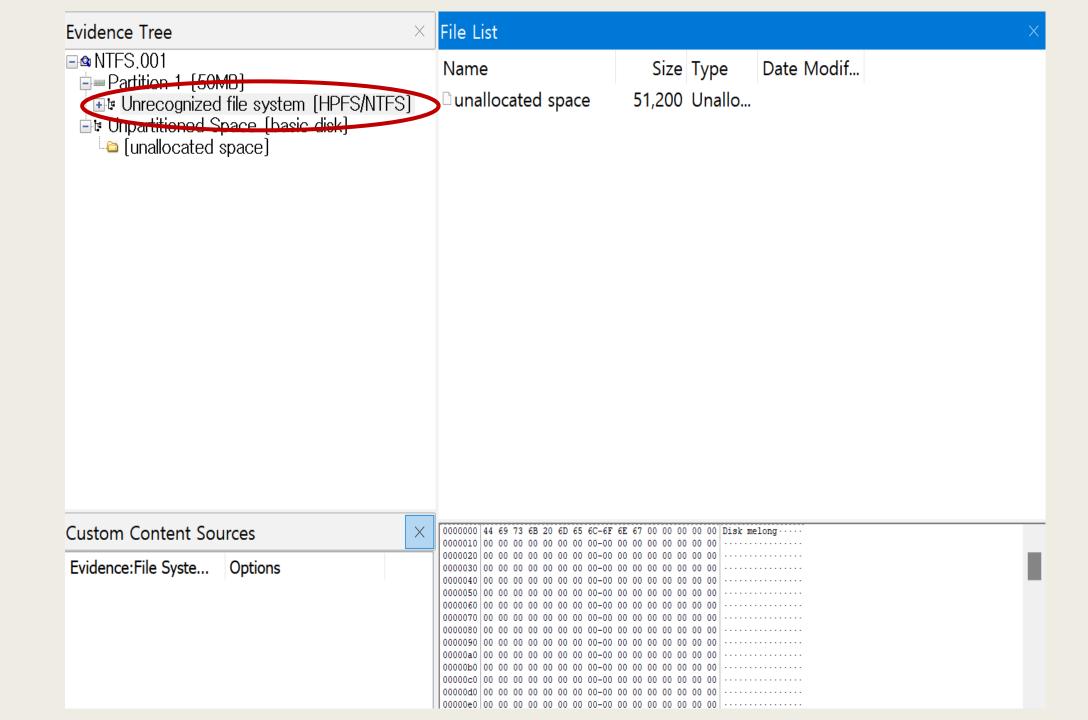
손상된 파티션 복구

23 고은이

파티션 손상의 이유

- 하드웨어 고장
- 소프트웨어 충돌 또는 오류
- 악성 코드

- 전원 문제
- 파일 시스템 자체의 결함

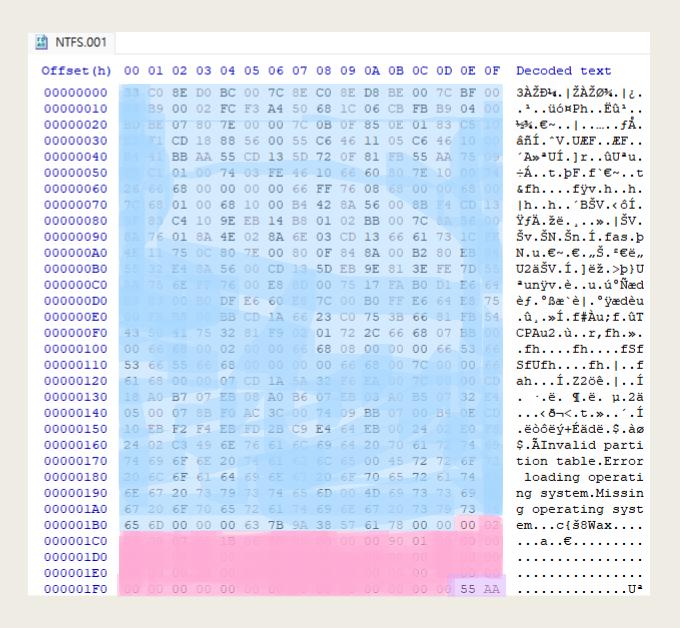


MBR

Boot Code (446 Byte)

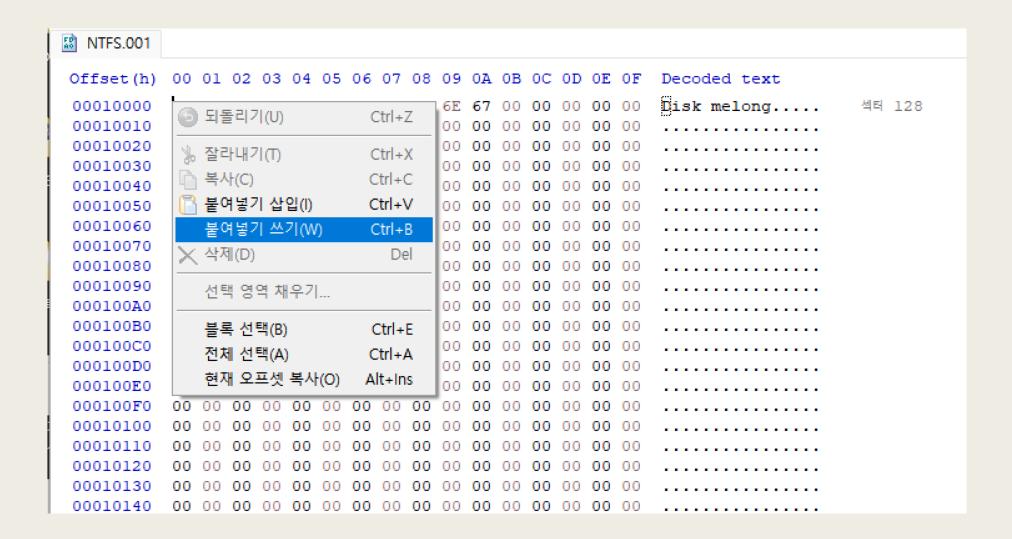
Partition Table (64 Byte)

Signature (2 Byte)

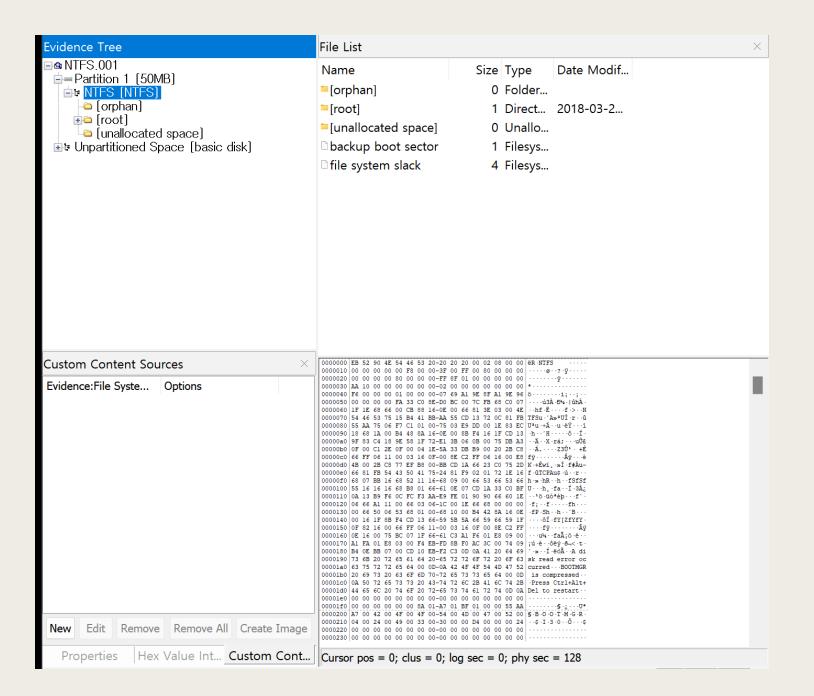


마지막 섹터 계산 법 = 파티션 시작 섹터 + 파티션 섹터 크기 - 공통으로 더한 MBR 섹터 1개

MTFS.001																	
Offset(h)	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	OF	Decoded text
00010000	44	69	73	6B	20	6D	65	6C	6F	6E	67	00	00	00	00	00	Disk melong 섹터 128
00010010	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00010020	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00010030	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00010040	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00010050	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00010060	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00010070	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00010080	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00010090	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
000100A0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
000100B0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	



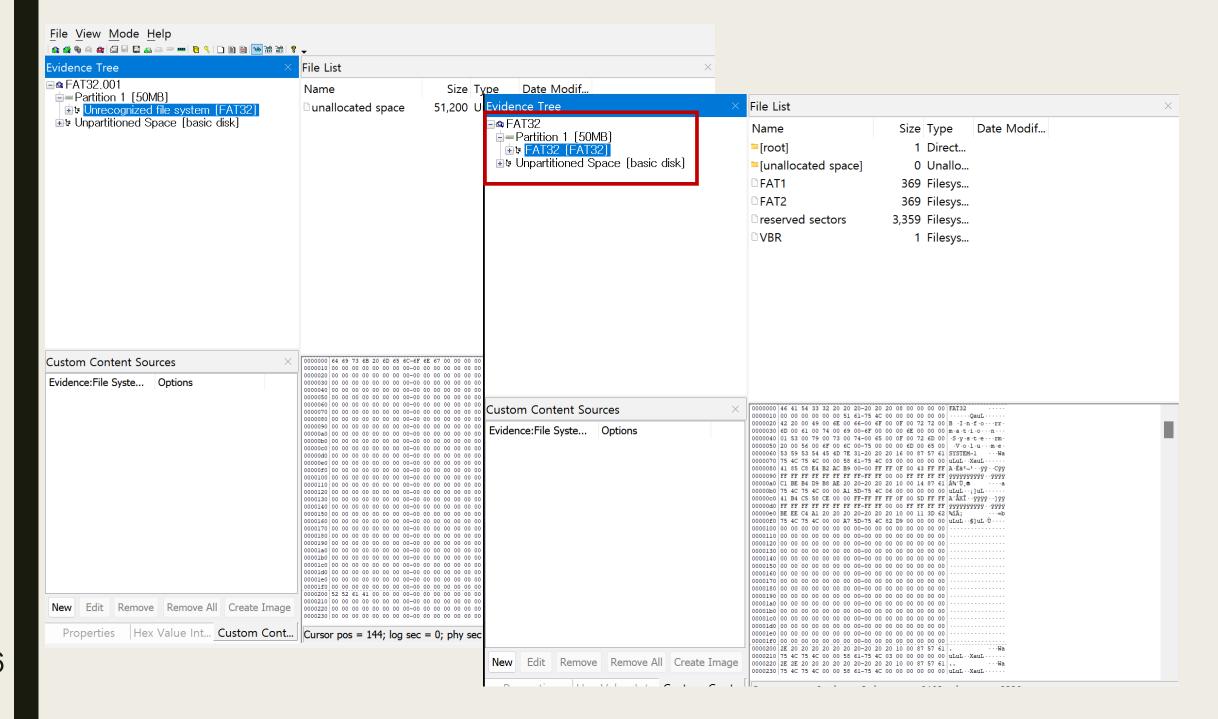
Offset(h)	00	01	02	0.3	0.4	05	06	07	0.8	na	07	ΩB	oc	OΠ	OF	OF	Decoded text
, ,																	Decoded Ceat
0000FFC0	00										00						************
0000FFD0											00						
0000FFE0											00						
0000FFF0	00										00						The same
00010000											20						ëR.NTFS 섹터 128
00010010											FF						ø?.ÿ.€
00010020											01						€ÿ
00010030	AA																*
00010040											A1						öi;ž.;ž-
00010050											00						ú3ÀŽĐ¼. ûhÀ.
00010060	1F																hf.Ë^f.>N
00010070											CD						TFSu. A» Uİ.rû
00010080	55																U*u.÷Áu.éÝ∱ì
00010090											8B						.h´HŜ<ôĬ.
000100A0											06						ŸfÄ.žX.rá;uÛ£
000100B0											DB						ÁZ3Û². +È
000100C0											C2						fÿŽÂÿè
000100D0											1A						K.+Èwï,.»Í.f#Àu-
000100E0											F9						f.ûTCPAu\$.ùr
000100F0	68	07	BB	16	68	52	11	16	68	09	00	66	53	66	53	66	h.».hRhfSfSf
00010100	55	16	16	16	68	В8	01	66	61	0E	07	CD	1A	33	C0	BF	Uh,.faÍ.3À¿
00010110	0A	13	В9	F6	0C	FC	F3	AΑ	E9	FE	01	90	90	66	60	1E	ºö.üóªéþf`.
00010120	06	66	A1	11	00	66	03	06	1C	00	1E	66	68	00	00	00	.f;ffh
00010130	00	66	50	06	53	68	01	00	68	10	00	В4	42	8A	16	0E	.fP.Shh´BŠ
00010140											5A						<ôÍ.fY[ZfYfY.
00010150	0F	82	16	00	66	FF	06	11	00	03	16	0F	00	8E	C2	FF	.,fÿŽÂÿ
00010160	0E	16	00	75	ВС	07	1F	66	61	СЗ	A1	F6	01	E8	09	00	u4faáö.è
00010170	A1																;ú.èôëý∢ð⊣<.t.
00010180	B4	0E	ВВ	07	00	CD	10	EΒ	F2	C3	0D	0A	41	20	64	69	´.»Í.ëòÃA di
00010190	73	6B	20	72	65	61	64	20	65	72	72	6F	72	20	6F	63	sk read error oc
000101A0	63	75	72	72	65	64	00	0D	0A	42	4 F	4F	54	4D	47	52	curredBOOTMGR
000101B0	20	69	73	20	63	6F	6D	70	72	65	73	73	65	64	00	0D	is compressed
000101C0	0A	50	72	65	73	73	20	43	74	72	6C	2B	41	6C	74	2B	.Press Ctrl+Alt+
000101D0	44	65	6C	20	74	6F	20	72	65	73	74	61	72	74	0D	0A	Del to restart
000101E0	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
000101F0	00	00	00	00	00	00	8A	01	Α7	01	$_{\mathrm{BF}}$	01	00	00	55	AA	Š.§.¿Uª
00010200	A 7	00	42	00	4 F	00	4 F	00	54	00	4D	00	47	00	52	00	S.B.O.O.T.M.G.R. 섹터 129
00010210	04	00	24	00	49	00	33	00	30	00	00	D4	00	00	00	24	\$.I.3.0Ô\$
00010220	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	



```
FAT32.001
Offset(h) 00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F
                                                       Decoded text
 000000F0
          43 50 41 75 32 81 F9 02 01 72 2C 66 68 07 BB 00
                                                       CPAu2.ù..r,fh.».
 00000100
          00 66 68 00 02 00 00 66 68 08 00 00 00 66 53 66
                                                       .fh....fh....fSf
 00000110
          53 66 55 66 68 00 00 00 00 66 68 00 7C 00 00 66
                                                       SfUfh....fh.|..f
                                                       ah...Í.Z2öê.|..Í
 00000120
                     07 CD 1A 5A 32 F6 EA 00 7C 00 00 CD
 00000130
                                                       . ·.ë. ¶.ë. u.2ä
          18 AO B7 07 EB 08 AO B6 07 EB 03 AO B5 07 32 E4
                                                       ...<ð-<.t.»..´.Í
 00000140
          05 00 07 8B F0 AC 3C 00 74 09 BB 07 00 B4 0E CD
                                                       .ëòôëý+Éädë.$.àø
 00000150
               F2 F4 EB FD 2B C9 E4 64 EB 00 24 02 E0 F8
                                                       $.ÃInvalid parti
          24 02 C3 49 6E 76 61 6C 69 64 20 70 61 72 74 69
 00000160
                                                       tion table.Error
 00000170
          74 69 6F 6E 20 74 61 62 6C 65 00 45 72 72 6F 72
 00000180
          20 6C 6F 61 64 69 6E 67 20 6F 70 65 72 61 74 69
                                                        loading operati
 00000190
               20 73 79 73 74 65 6D 00 4D 69 73 73 69 6E
                                                       ng system.Missin
 000001A0
                  70 65 72 61 74 69 6E 67 20 73 79 73 74
                                                       g operating syst
 000001B0
                  00 00 63
                          7B 9A 38 57 61 78 00 00 00 02
                                                       em...c{š8Wax....
          03 00 0C 61 1B 06 80 00 00 00 00 90 01 00 00 00
 000001C0
 000001D0
          000001E0
                  00 00
                                00 00 00 00 00 00 00 00
 000001F0
```

FAT32.001																	
Offset (h)	00	01	02	03	04	05	06	07	08	ng	070	OB	oc.	ΩD	OF	OF.	Decoded text
																1A	ëX.MSDOS5.0>. 섹터 134
00010C10							00										ø?.ÿ.€
00010C20							00										á
00010C30							00										e val No name
00010040							02										€.)û¼+.NO NAME FAT32 3ɎѼô
00010050							32 00										raisz sezn⊲o {žÁŽÙ≤. ^V@^N.ŠV
00010C60 00010C70							CD										{ZAZU~5. V@ N.5V @´A»*UÍ.rûU*u.
							46										ë A»-01.1u0-u. öÁ.t.þF.ë-ŠV@´.Í
00010C80							8A										.s.'ÿÿŠñf.¶Æ@f.¶
00010CA0							86										.s. yyshi.imgi.i Ñ€â?÷â†ÍÀí.Af.·É
00010CB0							F8										f÷áf‰Føf~u9f~*
00010CD0		77					1C										.w3f <f.ffà.».€¹.< th=""></f.ffà.».€¹.<>
00010CD0							03										.è,.é¨.;ø}€Ä <ð¬
00010CE0							74										"Àt.<ÿt.´.»Í.ë
00010CF0																19	î;ú}ëä;}€ëß~Í.Í.
00010D00							0F										f`€~".fj.fP.
00010D10							00										Sfh BŠV@∢ôÍ.
00010D20	66	58	66	58	66	58	66	58	EB	33	66	ЗВ	46	F8	72	03	fXfXfXfXë3f;Før.
00010D30	F9	EB	2A	66	33	D2	66	OF	В7	4E	18	66	F7	F1	FE	C2	ùë*f3Òf.·N.f÷ñþÂ
00010D40	8A	CA	66	8B	D0	66	Cl	EA	10	F7	76	1A	86	D6	8A	56	ŠÊf<ÐfÁê.÷v.†ÖŠV
00010D50	40	8A	E8	C0	E4	06	0A	CC	В8	01	02	CD	13	66	61	0F	@ŠèÀäÌ,Í.fa.
00010D60	82	74	FF	81	C3	00	02	66	40	49	75	94	C3	42	4 F	4 F	,tÿ.Ãf@Iu″ÃBOO
00010D70	54	4D	47	52	20	20	20	20	00	00	00	00	00	00	00	00	TMGR
00010D80	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00010D90	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	
00010DA0	00	00	00	00	00	00	00	00	00	00	00	00	0D	0A	44	69	Di
00010DB0	73	6B	20	65	72	72	6F										sk errorÿPress
00010DC0	20	61			20				20								any key to rest
00010DD0		72					00										art
00010DE0							00										
00010DF0							00										
00010E00	52	52	61	41	00	00	00	00	00	00	00	00	00	00	00	00	RRaA 섹터 135





Q&A