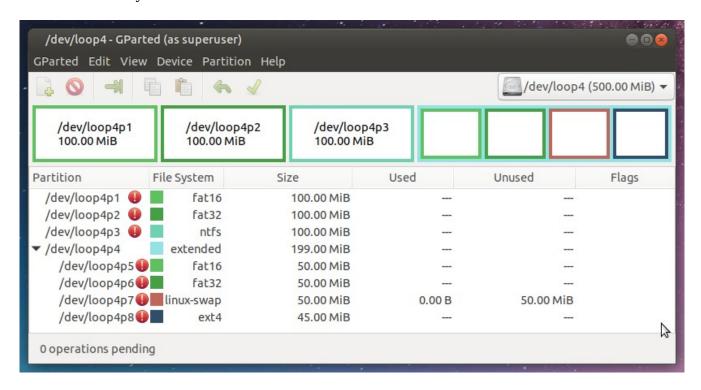
Analyzing EBR partitions manually

Use image1 for manual analysis

DOS Partition Table Offset Sector: 0 Units are in 512-byte sectors



Part	Slot	Start	End	Length	Description
000:	Meta	0000000000	0000000000	0000000001	Primary Table (#0)
001:		0000000000	0000002047	0000002048	Unallocated
002:	000:000	0000002048	0000206847	0000204800	DOS FAT16 (0x06)
003:	000:001	0000206848	0000411647	0000204800	Win95 FAT32 (0x0b)
004:	000:002	0000411648	0000616447	0000204800	NTFS / exFAT (0x07)
005:	Meta	0000616448	0001023999	0000407552	DOS Extended (0x05)
006:	Meta	0000616448	0000616448	0000000001	Extended Table (#1)
007:		0000616448	0000618495	0000002048	Unallocated
ET1	PE1	616448+2048	(L1=102400	
		S1)=618496			
008:	001:000	0000618496	0000720895	0000102400	DOS FAT16 (0x06)
009:		0000720896	0000722943	0000002048	Unallocated
ET1	PE2	616448+1062		L2=102674	(S2,L2) points Next DOS Extended
		<mark>22(S2)=72267</mark>	<mark>'</mark>		

Part	Slot	Start	End	Length	Description							
		0										
010:	Meta	0000722670	0000825343	0000102674	DOS Extended (0x05)							
011:	Meta	0000722670	0000722670	0000000001	Extended Table (#2)							
ET2	PE1	722670+274(5	5	L1=102400								
		1)=722944										
012:	002:000	0000722944	0000825343	0000102400	Win95 FAT32 (0x0b)							
013:		0000825344	0000827391	0000002048	Unallocated							
ET2	PE2	616448+2107		L2=102572	(S2,L2) points Next DOS Extended							
		72(S2)=82722			1.7							
		0										
014:	Meta	0000827220	0000929791	0000102572	DOS Extended (0x05)							
015:	Meta	0000827220	0000827220	0000000001	Extended Table (#3)							
ET3	PE1	827220+172(5	5	L1=102400								
		1)=827392										
016:	003:000	0000827392	0000929791	0000102400	Linux Swap / Solaris x86 (0x82)							
017:		0000929792	0000931839	0000002048	Unallocated							
ET3	PE2	616448+3153		L2=92230	(S2,L2) points Next DOS Extended							
		22(S2)=93177	<u>'</u>		1.7							
		0										
018:	Meta	0000931770	0001023999	0000092230	DOS Extended (0x05)							
019:	Meta	0000931770	0000931770	0000000001	Extended Table (#4)							
ET4	PE1	931770+70(S1	L	L1=92160								
)=931840										
020:	004:000	0000931840	0001023999	0000092160	Linux (0x83)							
ET4	PE2	S2=0		L2=0	PE2=0 or (S2,L2)=(0,0) means the end							
					of the EBR list.							

Common Structure of Extended Boot Records:

Offsets wi		Contents								
Hex		bytes								
000 - 1BD	000 - 445	Generally unused; normally filled with zeroes; may contain another boot loader i.e. a partition boot record, for example in conjunction with Advanced Active Partitions								
1BE - 1CD	446 - 461	Partition table's first entry	16							
1CE - 1DD	462 - 477	Partition table's second entry	16							
1DE - 1ED	478 - 493	Unused ^[3] third entry filled with zeroes								
1EE - 1FD	494 - 509	Unused ^[3] fourth entry filled with zeroes								
1FE - 1FF	510 - 511	Signature 55AAh in big-endian network order, same as little-endian 0xAA55. On disk: 0x55 at offset 510 and 0xAA at offset 511.								
		EBR, total size: 446 +(4×16) +2 =	512							

Structure of an MBR or EBR 16-byte Partition Table Entry:

Offsets	within entry	Dutos	Description								
Hex	Dec	Bytes	Description								
1?E ¹	0	1	Boot indicator (80h for <i>active</i> ; otherwise, 00h)								
1?F - 1?1	1 - 3	3	CHS cylinder-head-sector address: partition start								
1?2	4	1	Partition type code								
1?3 - 1?5	5 - 7	3	CHS cylinder-head-sector address: partition end								
1?6 - 1?9	8 - 11	4	LBA logical block address: partition start								
1?A - 1?D	12 - 15	4	Partition size (in sectors)								
1: For 1?E read 1BE or 1CE to get the hex. offset of the first or second entry, respectively											

005:	Met	a			000	006	516	44	8	00	01	02	399	99	00	00	40 ′	755	52		D	S	Ex	ter	ıde	d (0x	05)						
006:	Met	a			000	006	516	44	8	00	000	61	644	48	00	00	000	000)1		Ex	ter	ıde	d I	Γab	le	(#1)						
0616447	7:500	00	00	00	00	00	00	00	00	00	00	55	AΑ	90	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0616448	3:021	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0616448	3:054	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	ΘΘ	00	00	00
0616448	3:087	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0616448	3:120	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0616448	3:153	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0616448	3:186	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0616448	3:219	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0616448	3:252	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0616448	3:285	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0616448	3:318	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0616448	3:351	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0616448	3:384	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00
0616448	3:417	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	ΘΘ	00	00	ΘΘ	00	00	00	00	00	00	00	00	ΘΘ	00	00	FE	C2	FF

```
0000722670 0000825343 0000102674
        DOS Extended (0x05)
010:
Meta
    0000722670 0000000001
        Extended Table (#2)
011:
Meta
  0000722670
0722670:444 00 00 00 FE C2 FF 0B FE C2 FF 12 01 00 00 00 90 01 00 00 FE C2 FF 05 FE C2 FF 54 37 03 00 AC 90 01
```

```
pe1=b'\x00\xFE\xC2\xFF\x08\xFE\xC2\xFF\x01\x00\x00\x00\x90\x01\x00\x00\xFE\xC2\xFF\x05\xF
     len(pe1)
     32
     pe2=pe1[16:]
18
     pe1=pe1[:16]
        (pe1)
     16
       n(pe2)
     16
     s1 = int.from_bytes(pe1[8:12], byteorder='little',signed=False)
22
     l1 = int.from_bytes(pe1[12:], byteorder='little',signed=False)
     (s1,l1)
     (274, 102400)
     s2 = int.from bytes(pe2[8:12], byteorder='little', signed=False)
     12 = int.from_bytes(pe2[12:], byteorder='little', signed=False)
     (s2, l2)
     (210772, 102572)
```

```
        014:
        Meta
        0000827220
        0000929791
        0000102572
        DOS Extended (0x05)

        015:
        Meta
        0000827220
        0000827220
        0000000001
        Extended Table (#3)
```

```
00
0827220:441 00 00 00 00 00 <mark>00 FE C2 FF 82 FE C2 FF AC 00 00 00 00 90 01 00</mark> 00 FE C2 FF 05 FE C2 FF BA CF 04 00
```

018:	Meta	0000931770	0001023999 00	000092230	DOS Extended (0x05)
019:	Meta	0000931770	0000931770 00	000000001	Extended Table (#4)