

# Open Partition Table Specification

Revision 0

## Preliminary Information:

- All integer values are in little endian
- Partition table is located at the first sector on the drive
- There is a maximum of 40 partition entries

<b>32 Byte Header</b>		
<b>Data Type</b>	<b>Name</b>	<b>Value</b>
Unsigned short	signature	56734
16 byte string	volumeLabel	The label assigned to the entire drive, padded with NULLs.
14 NULL bytes	reserved	Unused space.

<b>12 Byte Entry</b>		
<b>Data Type</b>	<b>Name</b>	<b>Value</b>
Unsigned long	sectorStart	The sector on the drive where the partition begins.
Unsigned long	SectorEnd	The sector on the drive where the partition ends.
Unsigned short	flags	Flags detailing attributes of the partition, each flag is 1 bit.
Unsigned short	type	The type of data contained in the partition.

## Partition Types

Value	Type	Description
0	Raw Data	Raw data.
1	Raw Executable Data	Raw executable data.
2	RetrOS root	For the root partition to be mounted on boot by RetrOS.
3	RetrOS filesystem	For filesystems that can be used by the RetrOS kernel.
4	RetrOS swap	Swap Space for the RetrOS kernel.
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## Partition Flags

Bit	Flag	Description
000000000000000000x	bootable	Does this partition contain code used to boot an OS?
00000000000000000x0	readOnly	Is this partition read only?
0000000000000000x00	hidden	Is this partition hidden?
00000000000000x000		
0000000000000x0000		
00000000000x00000		
000000000x000000		
00000000x0000000		
0000000x00000000		
000000x000000000		
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