

POIFS#####

POIFS#####POIFS#####
#####64bit#####POIFS#####
check"#####
#####BAT#####
#####BAT#####
#####4kByte#####"small
block allocation
table"#####BAT#####

1.4. #####

POIFS#####64bit##long#####ID####0xE11AB1A1E011CFD0L#####
check"#####POIFS#####
#####

1.4.1. BATs

#####0x2C##BAT#####int####0x4C#####int#####Block
Allocation Table#####

1.4.2. XBATs

#####POIFS#####BAT#####
* 128 * 512 = 6.8MB
#####6.8MB#####GB#####
###XBAT#####128####BAT#####XBAT#####8MB#
XBAT#####BAT#####BAT#####BA
XBAT#####4-byte(2^32bit)#####
= 2^9byte ####(2^9 byte) * (2^32) = 2^41 byte = 2 * (1024)^4 byte = 2
Tbyte#####1/2#####

1.4.3. SBATs

POIFS#####4096byte#####64byte#####
Table#SBAT#####SBAT#####0x3C#####SBAT#

POIFS#####

1.4.4. Property Table Start Index

#####0x30###integer#####integer##"#####"#####

1.5.

#####512byte#####128byte#####

- #####0x00##"name"#####16bit#####byte##"A
- #####0x42#####(byte)### #####
- #####0x43#####(byte)#####
 1. #####
 2. #####2#####
 3. #####
 4. #####
- #####0x44#####(int)###
- #####0x48#####(int)###
- #####0x4C#####(int)#####
- #####0x74#####integer#####BA
- #####0x78#####integer#####4096#####

1.6.

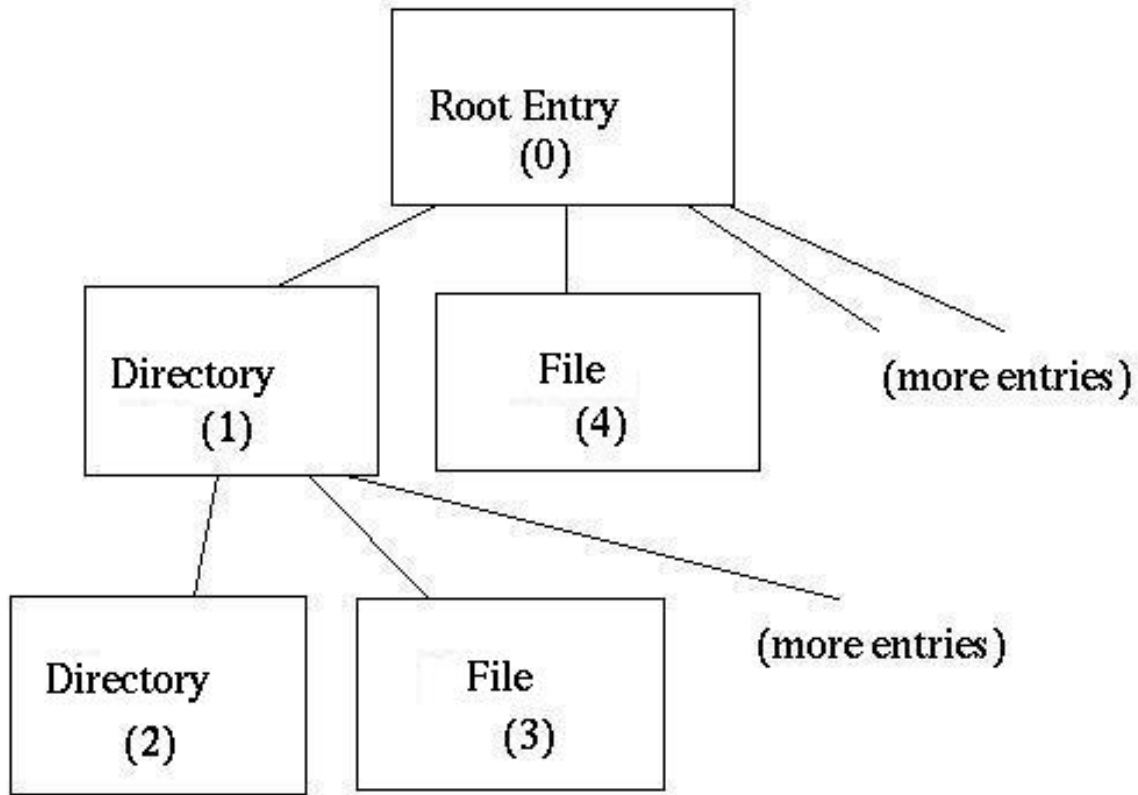
#####4096#####

SBAT#####Block Allocation

Table#####64#####64#####

1.7.

#####



property set

```
#####CHILD_PROP#####  
#####NEXT_PROP#PREVIOUS_PROP#####  
####NEXT_PROP#  
PREVIOUS_PROP#CHILD_PROP#####-1#####CHILD_PROP##
```

1.8. Block Allocation Table

```
#####XBAT#####BAT#####BAT#####integer#####  
Allocation  
Table####integer#####-2#####  
#####BAT#####
```

POIFS#####

BAT[0] = 2
BAT[1] = 5
BAT[2] = 3
BAT[3] = 4
BAT[4] = 6
BAT[5] = -2
BAT[6] = 7
BAT[7] = -2

...

#####BAT#####0#####0

#####BAT[1] = 5 ; BAT[5] = -2 // #####

BAT#####

- -1#####
- -3##"###"#####Small Block
Array#####BAT###SBAT#####

1.9.

#####

1.9.1. Header (block 1) -- 512 (0x200) bytes

#####	##	#####	##	#####
FILETYPE	POIFS#####	0x0000#####	Long	0xE11AB1A1E011CFD0
UK1	#####	0x0008	Integer	0
UK2	#####	0x000C	Integer	0
UK3	#####	0x0014	Integer	0
UK4	##### (###)	0x0018	Short	0x003B
UK5	##### (#####)	0x001A	Short	0x0003
UK6	#####	0x001C	Short	-2

POIFS#####

LOG_2_BIG_BLOCK_SIZE#####	0x001E	Short	9 (2#9# = 512 bytes)	
LOG_2_SMALL_BLOCK_SIZE#####	0x0020	Integer	6 (2#6# = 64 bytes)	
UK7	#####	0x0024	Integer	0
UK8	#####	0x0028	Integer	0
BAT_COUNT	BAT#####	0x002C	Integer	##
PROPERTIES_START#####	0x0030#####	Integer	##	
UK9	#####	0x0034	Integer	0
UK10	#####	0x0038	Integer	0x00001000
SBAT_START	SBAT#####	0x003C	Integer	-2
SBAT_Block_Count	SBAT#####	0x0040	Integer	1
XBAT_START	XBAT#####	0x0044	Integer	-2
XBAT_COUNT	#BAT#####XBAT#####	0x0048	Integer	0
BAT_ARRAY	BAT#####	0x004C, 0x0050, 0x0054, ... 0x01FC	Integer[]	-1#####
N/A	#####	N/A#####	N/A	-1

1.9.2. Block Allocation Table Block -- 512 (0x200) bytes

#####	##	#####	##	#####
BAT_ELEMENT	BAT#####	0x0000, 0x0004, 0x0008, 0x01FC	Integer	-1 = ## -2 = ##### -3 = #### (##BAT####) #####

1.9.3. Property Block -- 512 (0x200) byte block

#####	##	#####	##	#####
Properties[]	#####	0x0000, 0x0080, 0x0100, 0x0180	128 bytes	#####-1#####

POIFS#####

1.9.4. Property -- 128 (0x80) byte block

#####	##	#####	##	#####
NAME	#####Null:0x00,0x01,0x02,0x03,0x04,0x05,0x06,0x07,0x08,0x09,0x0A,0x0B,0x0C,0x0D,0x0E,0x0F,0x10,0x11,0x12,0x13,0x14,0x15,0x16,0x17,0x18,0x19,0x1A,0x1B,0x1C,0x1D,0x1E,0x1F,0x20,0x21,0x22,0x23,0x24,0x25,0x26,0x27,0x28,0x29,0x2A,0x2B,0x2C,0x2D,0x2E,0x2F,0x30,0x31,0x32,0x33,0x34,0x35,0x36,0x37,0x38,0x39,0x3A,0x3B,0x3C,0x3D,0x3E,0x3F,0x40,0x41,0x42,0x43,0x44,0x45,0x46,0x47,0x48,0x49,0x4A,0x4B,0x4C,0x4D,0x4E,0x4F,0x50,0x51,0x52,0x53,0x54,0x55,0x56,0x57,0x58,0x59,0x5A,0x5B,0x5C,0x5D,0x5E,0x5F,0x60,0x61,0x62,0x63,0x64,0x65,0x66,0x67,0x68,0x69,0x6A,0x6B,0x6C,0x6D,0x6E,0x6F,0x70,0x71,0x72,0x73,0x74,0x75,0x76,0x77,0x78,0x79,0x7A,0x7B,0x7C,0x7D,0x7E,0x7F,0x80,0x81,0x82,0x83,0x84,0x85,0x86,0x87,0x88,0x89,0x8A,0x8B,0x8C,0x8D,0x8E,0x8F,0x90,0x91,0x92,0x93,0x94,0x95,0x96,0x97,0x98,0x99,0x9A,0x9B,0x9C,0x9D,0x9E,0x9F,0xA0,0xA1,0xA2,0xA3,0xA4,0xA5,0xA6,0xA7,0xA8,0xA9,0xAA,0xAB,0xAC,0xAD,0xAE,0xAF,0xB0,0xB1,0xB2,0xB3,0xB4,0xB5,0xB6,0xB7,0xB8,0xB9,0xBA,0xBB,0xBC,0xBD,0xBE,0xBF,0xC0,0xC1,0xC2,0xC3,0xC4,0xC5,0xC6,0xC7,0xC8,0xC9,0xCA,0xCB,0xCC,0xCD,0xCE,0xCF,0xD0,0xD1,0xD2,0xD3,0xD4,0xD5,0xD6,0xD7,0xD8,0xD9,0xDA,0xDB,0xDC,0xDD,0xDE,0xDF,0xE0,0xE1,0xE2,0xE3,0xE4,0xE5,0xE6,0xE7,0xE8,0xE9,0xEA,0xEB,0xEC,0xED,0xEE,0xEF,0xF0,0xF1,0xF2,0xF3,0xF4,0xF5,0xF6,0xF7,0xF8,0xF9,0xFA,0xFB,0xFC,0xFD,0xFE,0xFF	0x00,0x01,0x02,0x03,0x04,0x05,0x06,0x07,0x08,0x09,0x0A,0x0B,0x0C,0x0D,0x0E,0x0F,0x10,0x11,0x12,0x13,0x14,0x15,0x16,0x17,0x18,0x19,0x1A,0x1B,0x1C,0x1D,0x1E,0x1F,0x20,0x21,0x22,0x23,0x24,0x25,0x26,0x27,0x28,0x29,0x2A,0x2B,0x2C,0x2D,0x2E,0x2F,0x30,0x31,0x32,0x33,0x34,0x35,0x36,0x37,0x38,0x39,0x3A,0x3B,0x3C,0x3D,0x3E,0x3F,0x40,0x41,0x42,0x43,0x44,0x45,0x46,0x47,0x48,0x49,0x4A,0x4B,0x4C,0x4D,0x4E,0x4F,0x50,0x51,0x52,0x53,0x54,0x55,0x56,0x57,0x58,0x59,0x5A,0x5B,0x5C,0x5D,0x5E,0x5F,0x60,0x61,0x62,0x63,0x64,0x65,0x66,0x67,0x68,0x69,0x6A,0x6B,0x6C,0x6D,0x6E,0x6F,0x70,0x71,0x72,0x73,0x74,0x75,0x76,0x77,0x78,0x79,0x7A,0x7B,0x7C,0x7D,0x7E,0x7F,0x80,0x81,0x82,0x83,0x84,0x85,0x86,0x87,0x88,0x89,0x8A,0x8B,0x8C,0x8D,0x8E,0x8F,0x90,0x91,0x92,0x93,0x94,0x95,0x96,0x97,0x98,0x99,0x9A,0x9B,0x9C,0x9D,0x9E,0x9F,0xA0,0xA1,0xA2,0xA3,0xA4,0xA5,0xA6,0xA7,0xA8,0xA9,0xAA,0xAB,0xAC,0xAD,0xAE,0xAF,0xB0,0xB1,0xB2,0xB3,0xB4,0xB5,0xB6,0xB7,0xB8,0xB9,0xBA,0xBB,0xBC,0xBD,0xBE,0xBF,0xC0,0xC1,0xC2,0xC3,0xC4,0xC5,0xC6,0xC7,0xC8,0xC9,0xCA,0xCB,0xCC,0xCD,0xCE,0xCF,0xD0,0xD1,0xD2,0xD3,0xD4,0xD5,0xD6,0xD7,0xD8,0xD9,0xDA,0xDB,0xDC,0xDD,0xDE,0xDF,0xE0,0xE1,0xE2,0xE3,0xE4,0xE5,0xE6,0xE7,0xE8,0xE9,0xEA,0xEB,0xEC,0xED,0xEE,0xEF,0xF0,0xF1,0xF2,0xF3,0xF4,0xF5,0xF6,0xF7,0xF8,0xF9,0xFA,0xFB,0xFC,0xFD,0xFE,0xFF	Short	0x0000#####32##(0
NAME_SIZE	NAME#####	0x40	Short	##
PROPERTY_TYPE	#####	0x42	Byte	1 (#####), 2 (####), or 5 (#####)
NODE_COLOR	#####	0x43	Byte	0(##)####1(##)
PREVIOUS_PROP	#####	0x44	Integer	-1
NEXT_PROP	#####	0x48	Integer	-1
CHILD_PROP	#####	0x4c	Integer	-1
SECONDS_1	#####	0x64	Integer	0
DAYS_1	#####	0x68	Integer	0
SECONDS_2	#####	0x6C	Integer	0
DAYS_2	#####	0x70	Integer	0
START_BLOCK	#####	0x74	Integer	#####
SIZE	#####	0x78	Integer	#0