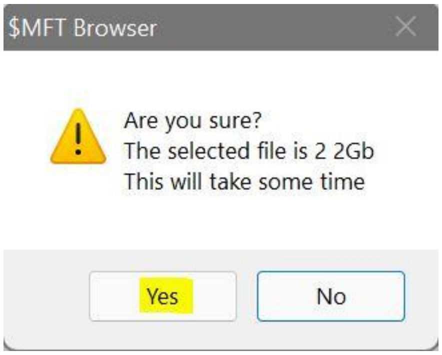
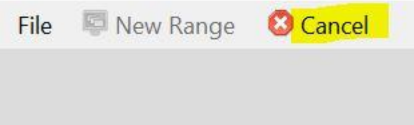
How to view a single record from a large $MFT file:

Open MFTbrowser and load the $MFT file. You will get a warning if the size is large enough. Press Yes to continue



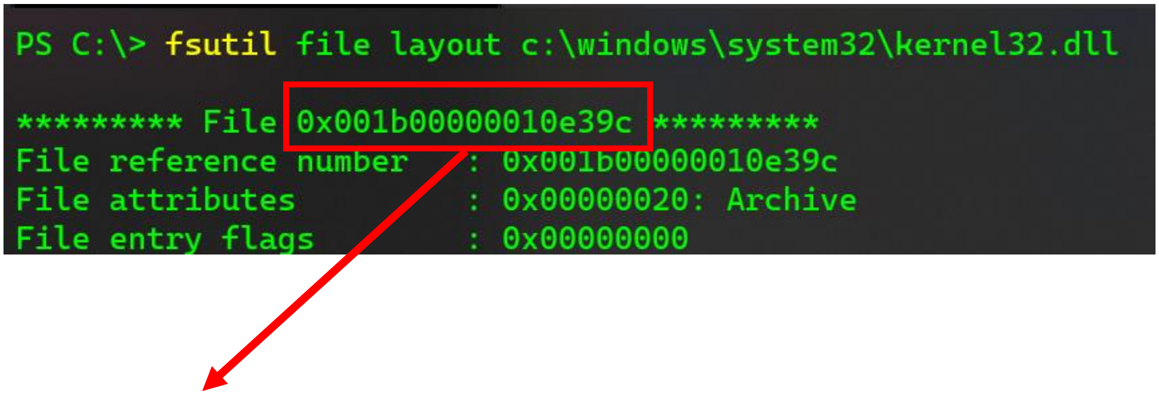
Are you sure?
The selected file is 2 2Gb
This will take some time

And when it starts, press Cancel:



Now the $MFT is already loaded.

In a PowerShell terminal type:



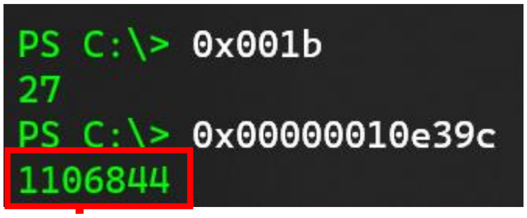
```
PS C:\> fsutil file layout c:\windows\system32\kernel32.dll

********* File 0x001b00000010e39c *********
File reference number   : 0x001b00000010e39c
File attributes         : 0x00000020: Archive
File entry flags        : 0x00000000
```

0x001b00000010e39c is broken down to:

Record Sequence Number (2 bytes)   **Record Number** (6 bytes)

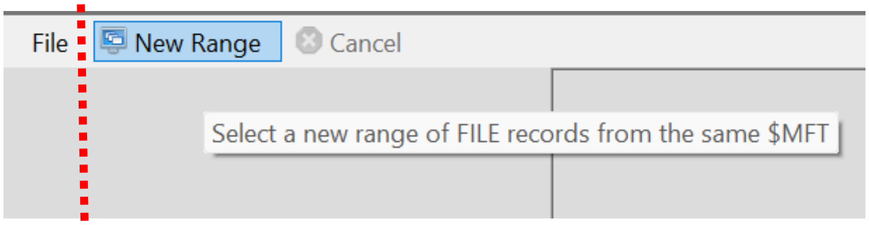
Hex: 0x001b   (Dec: 27)   Hex: 0x00000010e39c (Dec: 1106844)

If you type 0x00000010e39c in the PowerShell terminal, it will be converted to it's decimal equivallent:



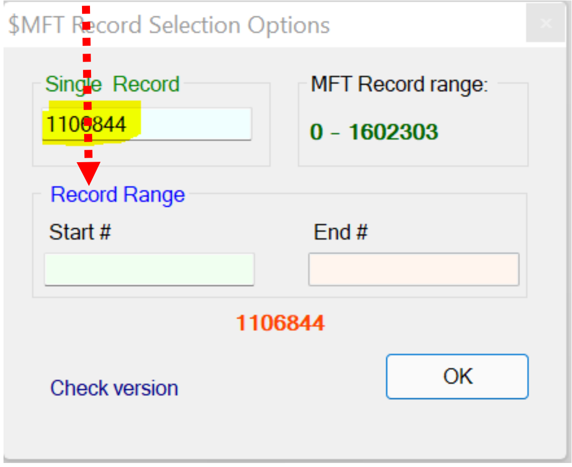
```
PS C:\> 0x001b
27
PS C:\> 0x00000010e39c
1106844
```

Press the New Range button in the MFT browser:



Select a new range of FILE records from the same $MFT

And enter the MFT record value:



$MFT Record Selection Options

Single Record: 1106844

MFT Record range: 0 – 1602303

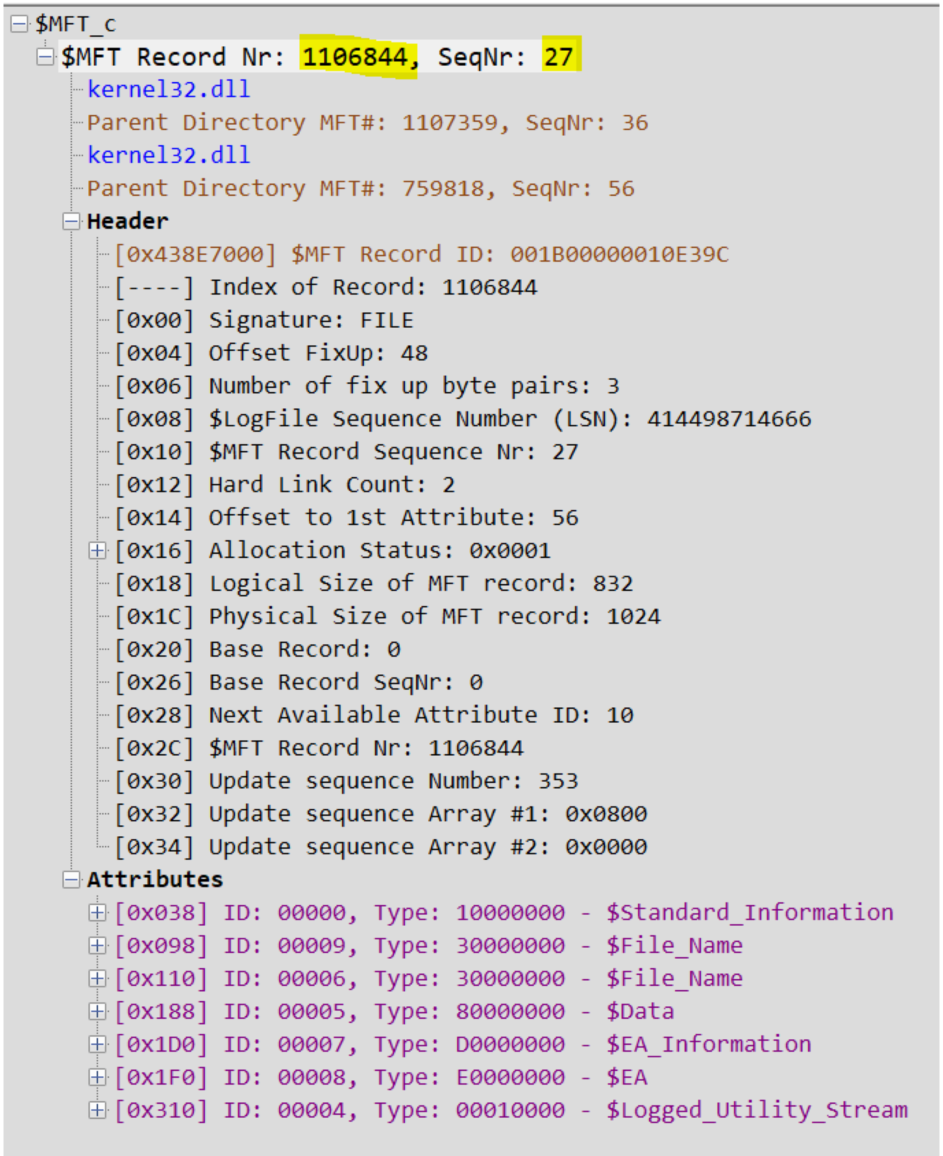
Record Range

Start #

End #

1106844

And press OK to view the Record info:



```
⊟ $MFT_c
  ⊟ $MFT Record Nr: 1106844, SeqNr: 27
      kernel32.dll
      Parent Directory MFT#: 1107359, SeqNr: 36
      kernel32.dll
      Parent Directory MFT#: 759818, SeqNr: 56
    ⊟ Header
        [0x438E7000] $MFT Record ID: 001B00000010E39C
        [----] Index of Record: 1106844
        [0x00] Signature: FILE
        [0x04] Offset FixUp: 48
        [0x06] Number of fix up byte pairs: 3
        [0x08] $LogFile Sequence Number (LSN): 414498714666
        [0x10] $MFT Record Sequence Nr: 27
        [0x12] Hard Link Count: 2
        [0x14] Offset to 1st Attribute: 56
      ⊞ [0x16] Allocation Status: 0x0001
        [0x18] Logical Size of MFT record: 832
        [0x1C] Physical Size of MFT record: 1024
        [0x20] Base Record: 0
        [0x26] Base Record SeqNr: 0
        [0x28] Next Available Attribute ID: 10
        [0x2C] $MFT Record Nr: 1106844
        [0x30] Update sequence Number: 353
        [0x32] Update sequence Array #1: 0x0800
        [0x34] Update sequence Array #2: 0x0000
    ⊟ Attributes
      ⊞ [0x038] ID: 00000, Type: 10000000 - $Standard_Information
      ⊞ [0x098] ID: 00009, Type: 30000000 - $File_Name
      ⊞ [0x110] ID: 00006, Type: 30000000 - $File_Name
      ⊞ [0x188] ID: 00005, Type: 80000000 - $Data
      ⊞ [0x1D0] ID: 00007, Type: D0000000 - $EA_Information
      ⊞ [0x1F0] ID: 00008, Type: E0000000 - $EA
      ⊞ [0x310] ID: 00004, Type: 00010000 - $Logged_Utility_Stream
```