

## Re: Managing XP system space for the MFT

**Source:**

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.hardware/2004-08/2356.html>

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<http://www.google.com/search?hl=en&ie=UTF-8&q=Executive+Software+Diskeeper+8+Support>

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All the Best,

Kelly

Microsoft-MVP Windows® XP

2004 Windows MVP "Winny" Award

Troubleshooting Windows XP

<http://www.kellys-korner-xp.com>

"Svend Cr" <[nomail@mail.com](mailto:nomail@mail.com)> wrote in message

news:95455AD90FC0A471AE@127.0.0.1...

> Executive Software's Diskeeper 8 shows me two unexpected things

> about my XP Pro system:

>

> (1) The MFT on the system partition (called C) is in SIX parts.

>

> (2) On another NTFS partition (called D) there is a surprisingly

> large amount of space (12% of total partition space) reserved for

> system requirements. However I switched off XP's "system

> monitoring" for this drive long ago.

>

> Defragging with Diskeeper 8 from within XP and at boot-time does

> not get the MFT into fewer than 2 parts. And the defragging does

> not reduce the excess space allocated to the system.

>

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>

> Is there a way I can see what system free space there is for use

> specifically by:

>

> (A) The MFT ?

> (B) System restore points in the System Volume Information folder ?

>

> Most importantly, how do I get the MFT into a single part and also

> give it enough space?

>

> I have used a reg hack (from

> <http://www.tweakxp.com/tweak123951.aspx>) to give the MFT a medium

> space allocation but it doesn't seem to have made a difference.

>

> I have never had to use XP system restore points as I back up whole

> partitions by making duplicates of them. So I don't mind if I have

> no space at all on any drive for system restore points.

>

> Svend

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> =====
> Defragger data follows in case it helps.
>
>
> Volume 60_WinXP (C:):
>   Volume size                = 6,793 MB
>   Cluster size               = 4 KB
>   Used space                 = 4,663 MB
>   Free space                 = 2,129 MB
>   Percent free space        = 31 %
>   Defragmentation method    = Max Disk Performance
>
> Fragmentation percentage
>   Volume fragmentation      = 0 %
>   Data fragmentation       = 0 %
>
> File fragmentation
>   Total files               = 44,872
>   Average file size        = 151 KB
>   Total fragmented files    = 0
>   Total excess fragments    = 0
>   Average fragments per file = 1.00
>
> Paging file fragmentation
>   Paging/Swap file size    = 100 MB
>   Total fragments          = 1
>
> Directory fragmentation
>   Total directories        = 3,660
>   Fragmented directories   = 0
>   Excess directory fragments = 0
>
> Master File Table (MFT) fragmentation
>   Total MFT size           = 92,523 KB
>   MFT records In Use       = 48,607
>   Percent MFT in use       = 52 %
>   Total MFT fragments      = 2
>
> -----
>
> Volume 60_DATA [39GB] (D:):
>   Volume size                = 39,942 MB
>   Cluster size               = 8 KB
>   Used space                 = 25,030 MB
>   Free space                 = 14,912 MB
>   Percent free space        = 37 %
>
> Fragmentation percentage
>   Volume fragmentation      = 0 %
>   Data fragmentation       = 0 %
>
> File fragmentation
>   Total files               = 58,992
>   Average file size        = 507 KB
>   Total fragmented files    = 0
>   Total excess fragments    = 0
>   Average fragments per file = 1.00
>
> Paging file fragmentation
```

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```
> Paging/Swap file size          = 0 bytes
> Total fragments                = 0
>
> Directory fragmentation
>   Total directories            = 5,018
>   Fragmented directories       = 0
>   Excess directory fragments   = 0
>
> Master File Table (MFT) fragmentation
>   Total MFT size               = 125 MB
>   MFT records In Use           = 64,032
>   Percent MFT in use           = 49 %
>   Total MFT fragments          = 2
>
> -----
```