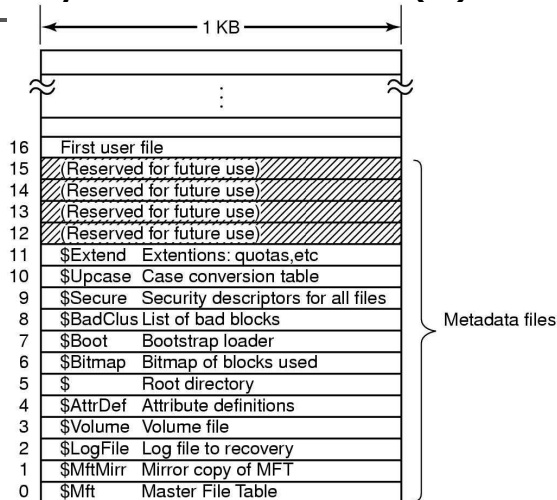


Miscellaneous File system topics

File System Structure (1)



The NTFS master file table

File System Structure (2)

Attribute	Description
Standard information	Flag bits, timestamps, etc.
File name	File name in Unicode; may be repeated for MS-DOS name
Security descriptor	Obsolete. Security information is now in \$Extend\$Secure
Attribute list	Location of additional MFT records, if needed
Object ID	64-bit file identifier unique to this volume
Reparse point	Used for mounting and symbolic links
Volume name	Name of this volume (used only in \$Volume)
Volume information	Volume version (used only in \$Volume)
Index root	Used for directories
Index allocation	Used for very large directories
Bitmap	Used for very large directories
Logged utility stream	Controls logging to \$LogFile
Data	Stream data; may be repeated

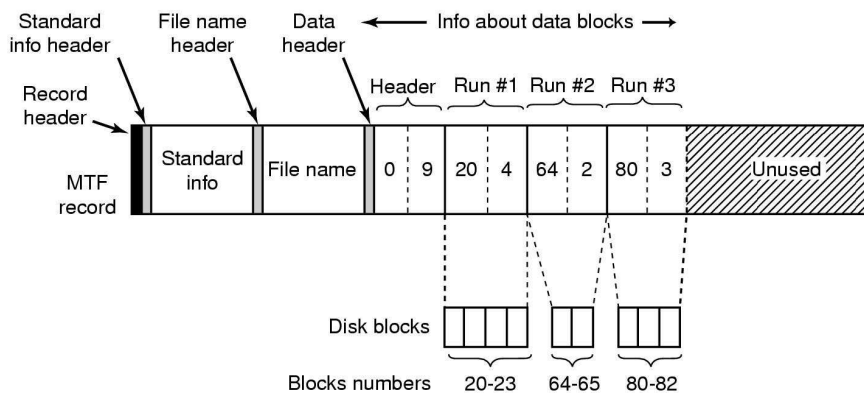
The attributes used in MFT records

April 20, 2003

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File System Structure (3)



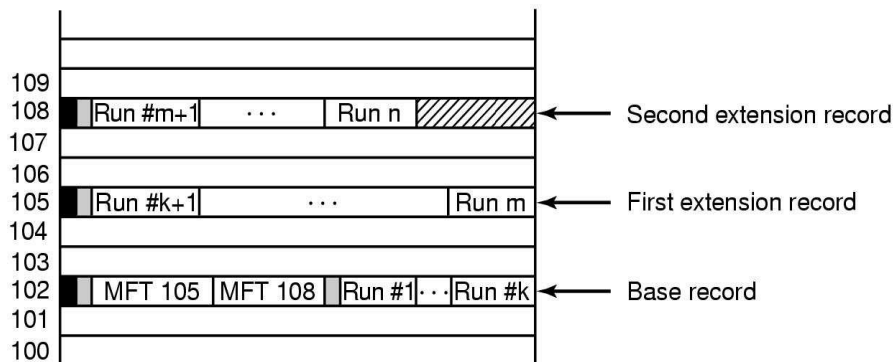
An MFT record for a three-run, nine-block file

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File System Structure (4)



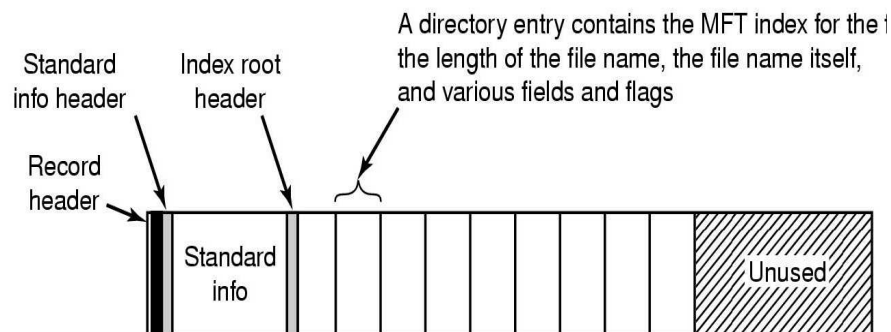
A file that requires three MFT records to store its runs

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File System Structure (5)



The MFT record for a small directory.

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