Kodak Graphic Communications Canada Company
3700 Gilmore Way
Burnaby, B.C., Canada
V5G 4M1
Tel: 1.604.451.2700
Fax: 1.604.437.9891

Request support: http://graphics.kodak.com
ecentral.graphics.kodak.com

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Technical Bulletin

Defragmenting an InSite Server Disk

Overview

This document provides recommendations for defragmenting a disk on the server on which the Kodak® InSite™ software is installed.

A computer disk is fragmented when the contents of one or more individual files are scattered across the disk. As new files are created and old files are deleted or updated, gradually the files can no longer be stored in a single location. When you request files from a fragmented disk, the server is slowed down by having to read from multiple locations. Other operations can be delayed while the server retrieves the files.

As part of the regular maintenance of your InSite server, run a disk defragmentation utility to put the contents of each file in one location on the disk and to place related files in common locations. This will decrease access time. For best performance, you should defragment the disks on your InSite server once a week. Always run the disk defragmentation utility when the InSite server is idle.

About Disk Defragmentation Utilities

The disk defragmentation utilities that Kodak has qualified for use with InSite servers are:

- Raxco Software PerfectDisk® disk defragmenter
- Microsoft® Windows® Disk Defragmenter

PerfectDisk Disk Defragmenter

The PerfectDisk disk defragmenter defragments data files and system files, schedules defragmentation operations, and organizes files by type on the disk.

For more information, go to the Raxco web site at http://raxco.com/.

Windows Disk Defragmenter

The Windows Disk Defragmenter utility is included with the Microsoft Windows 2000 and 2003 Server operating systems. This tool provides basic defragmenting functions, but has the following limitations:

Limitation	Details	Workaround
No built-in scheduling	You must manually run Disk Defragmenter each time that you want to defragment a disk. You must run Disk Defragmenter for each disk on an InSite server.	Use the Microsoft Windows Task Scheduler software to automate a defragmentation schedule.
Not all file types are defragmented	Disk Defragmenter cannot defragment the master file table, registry files, and paging files.	Use the Microsoft PageDefrag software to defragment the paging and registry files. Download the latest version of PageDefrag at http://www.microsoft.com/technet/sysinternals/FileAndDisk/PageDefrag.mspx.
No sorting by file type	Disk Defragmenter defragments individual files but does not group similar file types, such as system files.	Consider using the PerfectDisk disk defragmenter.

For more information, go to the Windows Disk Defragmenter Technical Reference Web site:

- Windows 2000 Servers: http://technet.microsoft.com/en-us/library/Bb742585.aspx
- Windows 2003 Servers: http://technet2.microsoft.com/windowsserver/en/library/2873a449-e185-42cc-b34a-91eacac3fe361033.mspx

About Kodak Graphic Communications Group (GCG)

The leading provider of graphic communications solutions worldwide, Kodak's Graphic Communications Group (GCG) offers image capture systems; professional color, copydot, and high-speed document scanning systems; inkjet printing and proofing systems; workflow and color management software; thermal imaging devices for film, plates, and proofs; high-quality proofing media, printing plates, and recording film; on-demand color and black-and-white printing systems; data storage products; and professional services. With corporate headquarters located in Rochester, N.Y., Kodak (NYSE: EK) has the largest global sales force and is committed to a digitally oriented growth strategy.

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