Kodak

Prinergy Evo

System Administration Guide

English

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System Overview

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Who Should Use This Guide

This guide is intended for anyone who administers a Kodak® Prinergy® Evo™ system using Prinergy Evo software. This includes installing, configuring, and backing up the system.

To use this guide, you should:

- Have a working knowledge of prepress operations
- Be familiar with the Microsoft® Windows® operating system
- Be familiar with the Apple® Macintosh® operating system software
- Have a basic working knowledge of the connected device
- Have a basic knowledge of the Prinergy Evo Client/Server software

This guide assumes that:

- All the hardware, software, and network components of your Kodak system have been installed, configured correctly, and are operating properly.
- Files submitted to the Kodak system are free of common errors usually resolved during preflight, such as missing fonts and Adobe® PostScript® errors.

What Is Prinergy Evo?

Prinergy Evo is PDF-based prepress software that organizes prepress and plate production. Prinergy Evo software supports tasks such as trapping, proofing, filmmaking and platemaking of single pages and impositions using PostScript, PDF, and imposition files. Prinergy Evo software can be configured to act as the output processing engine for a proofing, filmmaking, or platemaking device by processing PDF or PostScript Level 2 or PostScript Level 3 files.

Prinergy Evo software is a client/server system, meaning there can be many client computers connected to and running processes on one server computer. In a client/server system, client and server computers work together to process data. Client computers are connected to a server computer via network connections and shared folders. The client software sends a request via a network connection to the server software, which initiates the requested service, and then sends the relevant information back to the client software.

Prinergy Evo is an expandable, multi-user system based on a client/server architecture. The client software can be installed on multiple computers.

Prinergy Evo Server software includes daemons (software processes that perform specific tasks), Job Ticket Processors (a software program that performs a specific processing step to help process a job ticket), and the Prinergy Evo Administrator software to help you configure your system.

Prinergy Evo Client software is software that runs on both Windows and Macintosh computers. It is installed on client computers running Mac OS X 10.3.9 or later, Windows 2000 Server, Windows 2000, Windows XP Professional, or Windows Server 2003. It is the main user interface to the Prinergy Evo system and can be distributed on computers throughout the business, creating a teamwork environment where prepress managers, service representatives, and prepress and plate room operators can initiate work or obtain current production status.

Prinergy Evo Standard Workflows

Prinergy Evo software is a scalable system, so you only need to enable the components needed for your workflow. Although there are several standard licensed workflows in Prinergy Evo software, you can easily add functionality by adding and enabling additional licensed features. A standard workflow consists of a number of licensed job ticket processors that enable you to process certain types of data (for example, colored objects) in specific ways (such as transforming the color space of those objects).

For more information on additional licensed features, contact your service representative.

Table 1: Standard licensed Prinergy Evo workflows

Standard workflow	Standard Workflow JTPs	Standard Workflow Description
Refine to PDF	Normalizer and Optimizer JTPs	A Prinergy Evo workflow that accepts PostScript, EPS, DCS, CT/LW, PDF, and TIFF/IT input files and outputs refined PDF files, ready for proof or output. This system is designed for creative workflows and trade shops
Output	High-Resolution Print JTP	An entry-level Prinergy Evo system that accepts PostScript, PDF, PJTF, and JDF input files and outputs to digital format or to a range of high-resolution output devices
Refine to PDF and output	Normalizer, Optimizer, File Mover, and High-Resolution Print JTPs	A Prinergy Evo system that accepts DCS, EPS, PostScript, PDF, CT/LW, and TIFF/IT input files to be refined to PDF (or re-refined) and outputs to digital format or to a range of high-resolution output devices
Refine to PDF, trap, proof, and output	Normalizer, Optimizer, File Mover, Trapper, and Low- and High-Resolution Print JTPs	A full-featured Prinergy Evo system that accepts DCS, EPS, PostScript, PDF, CT/LW, and TIFF/IT input files to be refined to PDF (or rerefined) and outputs to digital format and to a range of low-resolution and high-resolution proofers and output devices. This system is designed for offset and flexographic packaging printers

System Administration Skills and Tasks

Prinergy Evo is a distributed system and requires some system administration.

Skills Required

To set up and maintain Prinergy Evo, you should have:

- A working knowledge of the general principles of client/server architecture and networking
- A working knowledge of administering and troubleshooting the Windows Server 2003 and 2000 operating systems
- The ability to do basic performance tuning using Windows Server 2003 and Windows 2000 Server
- A working knowledge of TCP/IP networking
- A working knowledge of how to use Macintosh and Windows operating systems in a networked environment

Prinergy Evo System Administration Features

Feature	Description
Prinergy Evo Administrator software	Software that enables you to: • Start and stop the Prinergy Evo system • License the Prinergy Evo system • Update the Prinergy Evo system • Save and restore the configuration of the Prinergy Evo system • View serious system problem reports in pop-up balloons from the system tray and on the **Alerts** tab • Reset Prinergy Evo and recover it to a functional state, should it become unstable For more information, see the Prinergy Evo Administrator online help.
Distributed architecture	• Prinergy Evo can be operated from multiple client computers • Input files can be distributed onto file servers
Process templates	A predetermined set of processing instructions that enable users to reliably and repeatedly perform predefined operations, such as trapping or creating a page proof. Process templates can be user defined. For more information, see the Prinergy Evo Client online help.
Support tools	A set of tools for diagnosing problems and maintaining the Prinergy Evo system. These tools include: • Prinergy Evo Client (for tracking job status and history, and for queue management) • Prinergy Evo Administrator (described earlier in this table) • Remote diagnostics (used by your service representative to help you maintain and troubleshoot your system)

System Administration Tasks

To Do This...	Use This Software...	Find Information Here...
Install Prinergy Evo Server and Client software	Prinergy Evo Installation DVD	*Prinergy Evo Installation Guide*
Update Prinergy Evo Server and Client software	Prinergy Evo Administrator	Prinergy Evo Administrator online help
Change the active Prinergy Evo software version	**Start > Programs > Prinergy Evo <version#>** > **Prinergy Evo Setup**	*Prinergy Evo Installation Guide*

To Do This...	Use This Software...	Find Information Here...
Stopping Prinergy Evo Server software	Prinergy Evo Administrator	*Restarting and Stopping Prinergy Evo Server Software* on page 34
Starting Prinergy Evo Server software	Prinergy Evo Administrator	*Starting Prinergy Evo Server Software* on page 33
Manage Prinergy Evo licensing	Prinergy Evo Administrator	*Managing Prinergy Evo Licensing* on page 41
Manage user accounts and groups	Windows Server 2003	*Setting Up User Accounts and User Groups* on page 45
Set user rights	Windows Server 2003	*Setting Up User Accounts and User Groups* on page 45
Manage the Prinergy Evo Service account	Windows Server 2003	*Managing the Prinergy Evo Windows Service* on page 45
Add more storage space for input and output files	Windows Server 2003	*Assigning a New Volume for File Storage* on page 51
Set up and configure proofing devices	• Windows Server 2003 • Kodak Harmony® tonal calibration software • Prinergy Evo Administrator	See *Prinergy Evo Installation Guide*
Set up and configure output devices	• Windows Server 2003 • Harmony • Output device control software (for example, Kodak Print Console software or Kodak Xpo™ software) • Prinergy Evo Administrator	*Prinergy Evo Installation Guide*
Save the Prinergy Evo system configurations and run regular "restore" tests	• Prinergy Evo Administrator	Prinergy Evo Administrator online help
Removing Prinergy Evo Server software	**Start > Programs > Prinergy Evo <version#>** > **Prinergy Evo Setup**	*Prinergy Evo Installation Guide*

Prinergy Evo Architectural Concepts

This section explains some key concepts related to Prinergy Evo's architecture:

- Prinergy Evo's client/server architecture
- Support for PDF, PostScript, CT/LW, TIFF/IT, job definition format (JDF), and portable job ticket format (PJTF) files
- Prinergy Evo's internal communications structure

Client/Server Architecture

Prinergy Evo is a client/server system. In a client/server environment, client software makes a request of the server software, which performs the requested service and sends relevant information back to the client software.

Prinergy Evo is a client/server system that is based on daemons and JTPs (job ticket processors). In addition, Prinergy Evo uses Common Object Request Broker Architecture (CORBA), Sockets, and TCP/IP for some internal communication.

Prinergy Evo Server Software

Server software is made up of a number of software components that work together to perform tasks.

In Prinergy Evo, the server software is called Prinergy Evo Server. It includes JTPs, services, and daemons. These are all software processes:

- JTPs deal with the manipulation of PDF files and their contents—for example, trapping and color management. JTPs are responsible for executing tasks you initiated.
- Daemons manage the execution of the tasks you have requested, maintain information about the tasks, and provide needed information to the JTPs so they can perform tasks such as processing template and color information.
- Services start and stop the other server software components.

These processes work together to help Prinergy Evo Server software perform various tasks, such as trapping or normalizing files, as requested by the Prinergy Evo Client software.

Prinergy Evo Server software also includes Prinergy Evo Administrator, which helps you manage and configure your system. For more information about Prinergy Evo Server software, see *About Prinergy Evo Server Software* on page 14.

Client Software

The Prinergy Evo Client software is Prinergy Evo's primary user interface. Prinergy Evo Client software enables you to perform certain processing tasks, such as the trapping of objects within files or the rendering of image data. Prinergy Evo Client software will run on Windows 2000 Server, Windows 2000, Windows Server 2003, Windows XP Professional, and Mac OS X 10.3.9 or later.

For more information about the Prinergy Evo Client software, see *About Prinergy Evo Client Software* on page 22 or the Prinergy Evo Client online help.

What Are Input Files?

Input files typically contain the original content information (in the case of PDF files or PostScript files) or, in the case of imposition plans, information relating to the placement of content on a large sheet of media. These files must be in one of the Prinergy Evo-supported file formats. See *Prinergy Evo File Formats* on page 10.

Input files can be stored on any local folder on which the Prinergy Evo server computer has read, write, or modify privileges**,** as well as on any share on any computer that is visible to the Prinergy Evo server computer. File storage computers do not need to run Prinergy Evo software.

Tip: Kodak recommends that you store your files on the Prinergy Evo server computer in order to improve performance and maintain consistency.

Supported File Types

Prinergy Evo provides:

- Support for PDF files, which provide reliable digital masters. See *PDF: Prinergy Evo's File Processing Format* on page 11.
- Support for PostScript, which enables you to print directly from your desktop application to Prinergy Evo in order to render the output file suitable for output to a device or to a supported digital output format
- Support for CT/LW and TIFF/IT files, which provide reliable refined, layered digital-PDF master files
- Support for JDF files, which provide a reliable input file for imposed output
- Two levels of support for PJTF files. Externally, a PJTF file is a reliable input file for imposed output. Within Prinergy Evo, PJTF files act as a control mechanism for specifying the sequence of operations and parameters that are to be performed on PDF files. In other words, you can submit PJTF files that were generated from qualified imposition software to Prinergy Evo in order to create imposed output. At the same time, Prinergy Evo software contains separate PJTF files that act as control mechanisms.

  For more information on supported input and output files, see *Prinergy Evo File Formats* on page 10.

About the Internal Portable Job Ticket Format

Prinergy Evo supports Portable Job Ticket Format (PJTF), a control mechanism based on the PDF file format. PJTF holds the PDF workflow together by allowing all of a PDF document's pertinent processing information (including all prepress data) to be stored in a companion job ticket.

A job ticket is the collection of information relating to one task—it is an outline of processing steps that need to be performed. A job ticket processor (JTP) is a software module that performs a specific step to help process a job ticket. Prinergy Evo contains a number of custom JTPs.

For more information about JTPs, see *About Job Ticket Processors* on page 18.

Prinergy Evo Communications Structure

Prinergy Evo uses various socket-based communication technologies, including a custom messaging package, CORBA (Common Object Request Broker Architecture) and XML-RPC (for more information, see **www.xmlrpc.com**), for internal communications between the client and server as well as between the various server daemons and JTPs. The particular technology chosen for a given communication path depends on the requirements of that path.

The CORBA implementation used by Prinergy Evo is IONA Technology's Orbacus™. CORBA allows applications to communicate with one another, no matter where they are located or who designed them.

The object request broker (ORB) is the middleware that brokers the communication between client and server software—for example, between Prinergy Evo and the various Prinergy Evo daemon processes on the server.

Prinergy Evo File Formats

Prinergy Evo is a PDF-based system. Prinergy Evo supports a number of file formats, and input files in supported formats are converted—or refined—to PDF during the refine process.

Supported Formats

Prinergy Evo software supports the following types of input files:

- PDF 1.2, 1.3, 1.4, and 1.5 (separated or composite), generated by qualified third party software, for example, Adobe Distiller® software 3.0 and later
- PDF/X-1a and PDF/X-3
- PostScript Level 1, 2, or 3 (separated or composite) to be refined to PDF or directly processed for output
- EPS (Encapsulated PostScript) to be refined to PDF or to be directly processed for output
- DCS and DCS-2 (both single- and multi-file versions) to be refined to PDF or directly processed for output
- PDF job tickets generated by qualified applications
- JDF (for output processing)
- PJTF (for output processing)
- 1-bit TIFF

The following input formats are also supported if you have a CEPS Conversion licence.

- CT/LW (Kodak Brisque® software and PS/M software version 5 and later)—includes New, Native, and Handshake formats of CT and LW

  Note: To use CT/LW files that are not output from Brisque software, you must first use the CEPSLink application to convert the files to PostScript.

- 8-bit continuous tone TIFF (for use with CEPS Conversion JTP license)
- TIFF/IT-P1

Some Prinergy Evo software functionality such as trapping and color management is not available for color-separated or raster files.

If you submit a mix of separated and composite input files, and you have trapping enabled, the separated files will pass through the trapper without being trapped, but the composite files will be trapped.

The recombine feature allows you to generate composite PDF files from separated input, enabling you to re-refine the new composite file and apply trapping and color management to it. If you don't perform the a recombine step, then your separated files cannot be trapped or color managed.

PDF: Prinergy Evo's File Processing Format

The file processing format in Prinergy Evo is PDF. This means that all input files are converted to PDF digital masters for use in subsequent phases of the workflow. Files can be converted to PDF files before being input to Prinergy Evo processes (for example, via Distiller software or other qualified third-party software). More commonly, files can be converted to PDF files within Prinergy Evo via the refine to PDF process template.

Although the Prinergy Evo file processing format is PDF, Prinergy Evo does provide limited output processing for PostScript files.

Advantages of PDF

Using PDF as Prinergy Evo's main format offers a number of advantages:

- PDF files are small, which saves storage space, reduces CPU usage, and shortens file transfer times. File sizes are small because PDF supports both vector and image objects within a file, and images are compressed using industry standard algorithms.
- PDF files RIP reliably and predictably. Unlike PostScript files, they do not have to be interpreted to ensure that all referenced resources (for example, fonts and images) are available. Thus, rasterizing—the second phase of RIPing that occurs just before output—is a straightforward and predictable process.
- PDF is an industry standard. A variety of industry standard tools are available to create, view, and edit PDF files.
- PDF files are independent of any platform, operating system, authoring software, and output device. They are viewable in Windows, Macintosh, and UNIX® environments and printable to output devices at high resolutions.

About Prinergy Evo Folders

During installation of Prinergy Evo, a number of folders are created and then shared as both Windows and Apple Filing Protocol (AFP) shares. (AFP shares are Windows shared folders visible to Macintosh computers on the same network as the Prinergy Evo server.) These are:

- **HotFolders**
- **JobData**
- **PgyEvoConfig** (The default directory is **\Program Files\Kodak\Prinergy Evo <version #>\config_data\User.**)
- **PgyEvoInstll**: Contains the Prinergy Evo Client installation software for both Macintosh and Windows platforms. (The default directory is **\Program Files\Kodak\Prinergy Evo <version #>\setup\PgyEvoInstll.**)

File Folders and Subfolders

If you have more than one hard drive, you are prompted during installation of Prinergy Evo to select which hard drive you want the shared hot folders and JobData folders to reside on. We recommend that the shared folders reside on a non-system hard drive that the Prinergy Evo server computer has read, write, and modify privileges on.

Folder	Description
JobData	The **JobData** folder may include any input files and any number of subfolders.
Hot Folder	From the Prinergy Evo Client software you can create new hot folders in the shared **HotFolders** folder. When you create a hot folder, you specify the name of the folder, its location, and a process template. For each hot folder you create, Prinergy Evo creates the following subfolders in the hot folder: **Input_Error**: Prinergy Evo stores the input file here if it detects an error during processing. **Input_Success**: Prinergy Evo stores the input file here if the file was successfully processed. If an error or warning occurs during processing, Prinergy Evo moves the input file to the **Input_Error** or **Input_Warning** folders. **Input_Warning**: Prinergy Evo stores the input file here if it detects a warning during processing. **Input_Canceled:** Prinergy Evo stores the input file here if you cancel the processing before it was completed. **Input_Unmatched**: Prinergy Evo stores the input file here if your hot folder is sensitive to a file name pattern and the file name fails to match the pattern. **Output**: Prinergy Evo stores output files generated by the hot folder process here by default. This folder is not used if a different output location is specified in the process template. **Working**: After Prinergy Evo detects that the input file is at the root of the hot folder, it moves that file to this folder to begin processing.

Folder	Description
PgyEvoConfig	The **PgyEvoConfig** folder contains: • User- and factory-defined ICC profiles (with the preference that there be a single storage location for all profiles) • User- and factory-defined marks files for output • User- and factory-defined Kodak Preps® templates, marks, and printer configuration files. • User- and factory-defined web growth profiles.
PgyEvoInstll	The **PgyEvoInstll** folder contains: • Prinergy Evo Client software installation software • Prinergy Evo specific Adobe Acrobat® plug-ins and job options. • The **Prinergy Refiner PPD** file, used when printing input files directly from a desktop application to a print queue. • The Kodak Prinergy® Virtual Proofing System (VPS) software, used to proof layouts and geometry settings on proofs.

How Prinergy Evo Uses Shared Folders

By default, if you submit an input file via a hot folder, Prinergy Evo stores the processed output in the **<hotfolder name>\Output** folder.

If you submit an input file via a template palette, by default Prinergy Evo saves the processed file in the same folder as the source input file.

Prinergy Evo System Files

Prinergy Evo system files are stored in the **Program Files\Kodak\Prinergy Evo <version#>\config_data\system** folder on the Prinergy Evo server computer.

Important: Never modify your system files in any way; doing so may affect Prinergy Evo's ability to function.

Example of a Client/Server System

In Figure 1, note that input files can be stored in different locations—for example, in the **JobData** folder on the Prinergy Evo server computer or in a folder on a computer acting as a file server.

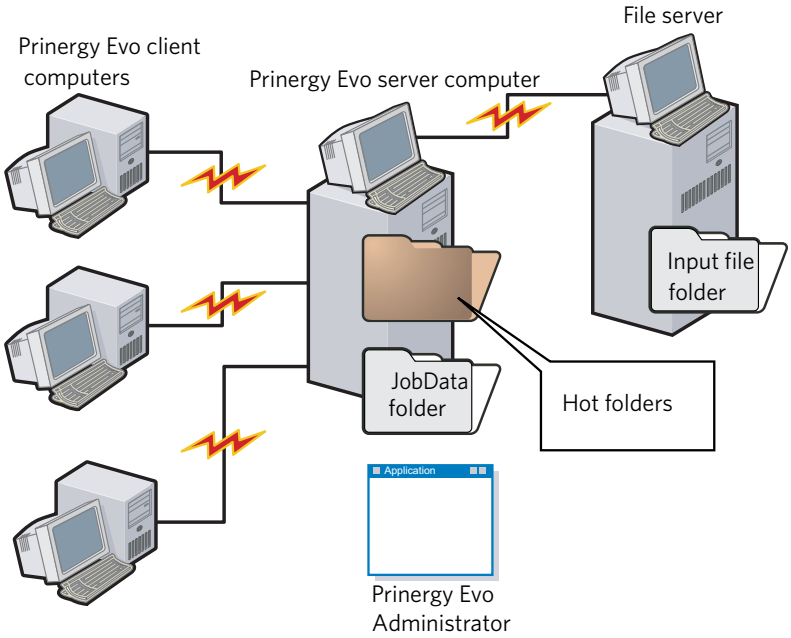


Figure 1: Example of a Prinergy Evo client/server system

About Prinergy Evo Server Software

The server software side of a Prinergy Evo system is called Prinergy Evo Server. Prinergy Evo Server software is made up of the following components:

- Daemons
- JTPs
- Prinergy Evo Services
- Prinergy Evo Administrator

The Prinergy Evo Server software resides on a single computer. For more information about distribution, see *Prinergy Evo's Client/Server Architecture* on page 24.

Daemons

Daemons are processes on a server that run behind the scenes to perform specific tasks. Daemons have no user interface, and you do not interact directly with them. Instead, you make requests through the Prinergy Evo interfaces (the Prinergy Evo Client software or the Prinergy Evo Administrator, hot folders and print server queues), which initiate communication with the appropriate daemons.

Each daemon plays a unique role as part of the Prinergy Evo system. A daemon has two reference names:

- The full name
- The executable name, as displayed in Windows Task Manager

For example, Process Manager Daemon is the full name of one daemon, and **JProcessManagerD.exe** is the name of the corresponding executable.

Full Name	Executable Name	Description
Color Database Server	**JColorDatabaseD.exe**	Server for factory and user-defined color libraries.
Diagnostics Log Daemon	**JDiagnosticD.exe**	Used as a support tool. Collects diagnostic information from other daemons and JTPs and writes it to the system diagnostics log file set.
Diagnostics View Daemon	**JDiagServerD.exe**	Used as a support tool. It reads the log contents on behalf of tools that display the log files.
File Browser Server	**JFileBrowserD.exe**	Finds server-accessible files and all related resources from the local host, Macintosh shares, and UNC paths for the Process Template Editor.
Floating License Manager	**JFloatLicMgrD.exe**	Manages the distribution of Kodak plug-in licenses from a pool of shared licenses.
Health Monitor	**JHealthMonD.exe**	Monitors and tracks the state of critical system resources, generates alerts when it detects a problem, and sends the alert to the Prinergy Evo Administrator to be displayed.
History Log Daemon	**JHistoryLogD.exe**	Maintains system history information, which is visible from the Prinergy Evo Client software.
Hot Folder Daemon	**JHotFolderD.exe**	Monitors hot folders that are active on the Prinergy Evo server computer.
Hot Folder Daemon Manager	**JHotFolderMgrD.exe**	A central depository for hot folder information and status. Hot Folder Daemon Manager sends configuration information to the Hot Folder Daemon.
ICC Profile Server Daemon	**JICCProfileServerD.exe**	Reads all ICC profiles, examining the profiles kept in a default location (or any other location identified by the Process Template Editor). Passes information about the content of the ICC profiles to the ColorMatcher JTP.
Imposition Daemon	**JImpositionD.exe**	Determines how pages are positioned on the proofing media when creating page output. It creates an imposition plan on demand for page output. The imposition is determined by selections made in the **Layout** section of the output process template (in the Process Template Editor).
License Server Daemon	**JLicenseD.exe**	Monitors and tracks the use of licensed server components, such as JTPs.

Full Name	Executable Name	Description
Naming Server	**JNamingD.exe**	Maintains a list of software interface addresses. Daemons use the Naming Server to find one another and the JTPs. JTPs use the Naming Server to find Daemons. When an interface address is requested, the Naming Server returns it to the requestor.
Node Manager	**JNodeManagerD.exe**	Starts JTPs and server daemons as per your license.
PostScript Parser Daemon	**JParserD.exe**	Obtains information about PostScript files (such as output separation names, file dimensions, page count, and whether the file is composite or pre-separated) by parsing Document Structuring Comments (DSC) within those files and by using the CPSI RIP. Provides that information to the Job Ticket Creator JTP, which the JTC JTP uses to set up a job for RIPing.
Preflight Profile Daemon	**JPreflightD.exe**	Monitors the Preflight Profile Editor and creates entries in a database with the settings made in the Preflight Profile Editor. Passes the Preflight database information back to the Process Template Editor so JTPs can use that information.
Preps Daemon	**JPrepsD.exe**	Reads the content of all Preps templates files, Preps printers, and Preps profile files. The daemon passes this information to the Process Template Editor, which displays the Preps printers and files for users to choose. The daemon also passes this information to other daemons and JTPs as required.
Print Server	**JPrintServerD.exe**	Enables a Prinergy Evo system to emulate a network-connected printer (both AppleTalk® software and LPD) for Macintosh OS X, and Windows platforms.
Process Manager Daemon	**JProcessManagerD.exe**	Coordinates and tracks processes through the JTPs in the Prinergy Evo system.
Process Template Server Daemon	**JTemplateServerD.exe**	Stores process templates. Acts as the depository for both Prinergy Evo and user-defined process templates.

Full Name	Executable Name	Description
Software Interface Server Daemon	**JSWInterfaceServerD.exe**	Stands between other Kodak software and Prinergy Evo daemons. Becomes aware of other Kodak software (for example, when it becomes available and when it no longer exists) and enables the software to send messages to Prinergy Evo daemons.
Workflow Manager Daemon	**JWorkflowManagerD.exe**	Stores workflow templates in a database and provides them to the Workflow Template Editor as required. Modifies the Workflow Template database when a user modifies and saves a workflow using the Workflow Template Editor.
User Interface Daemon	**JUserInterfaceD.exe**	Enables the Prinergy Evo Clients to access the Prinergy Evo Server.

Prinergy Evo Windows Service

The Prinergy Evo Windows Service is a Windows Server service application configured to start automatically when Windows starts. The service is responsible for starting the rest of Prinergy Evo, resulting in Prinergy Evo Server software starting when the Windows-based computer starts.

The Prinergy Evo Windows Service consists of **PrinergyEvoService.exe**, which:

- Starts daemons under an account with sufficient security privileges, if they require access to network resources.
- Starts daemons under the local system account, if they do not require access to network resources.

Together, the Prinergy Evo Windows Service and Node Manager monitor all server processes that they start, and automatically restart any processes that fail.

Job Tickets and Job Ticket Processors

Prinergy Evo Server software components include JTPs for processing job tickets.

About Job Tickets

A job ticket is a collection of information related to one or more processing steps that must be carried out in Prinergy Evo. It includes a map or route that specifies which JTP types to go to and in what order. A job ticket can also include information about:

- Which files to process
- Processing options
- Destinations
- Printing layouts (imposition plans)

In the Prinergy Evo Client software, Process Viewer window, the JTP view lists which JTPs are currently processing the job ticket and which actions have been performed on the job ticket. Since the job ticket contains all the information related to a task, processing occurs in the background without the need for your interaction.

About Job Ticket Processors

A JTP is a software module that performs a specific processing step to help process a job ticket. Prinergy Evo contains a number of JTPs.

There is a JTP for each type of processing step that can be performed in a Prinergy Evo system. JTPs are often sequenced together within Prinergy Evo process templates to automate Prinergy Evo tasks, such as refining.

The table on page 18 describes the main types of JTPs in Prinergy Evo that can be divided into these groups:

- Refine to PDF JTPs, which perform steps related to converting files into safe, reliable PDF files
- Output JTPs, which perform steps related to outputting proofs, film, plates, or digital files

In addition to the JTPs described in the following table, there are a number of other JTPs for performing minor steps. The Prinergy Evo system manages the distribution of these JTPs.

JTP Type	JTP Pool Names in Prinergy Evo Client	Description	Group
CEPS Conversion	Converting CEPS	Converts CT/LW and TIFF/IT-P1 pages to composite PDF 1.3 output.	Refine
CEPSOutput	Printing CEPS	Generates CT/LW and TIFF/IT files from page-based PDF files.	Output
ColorMatcher	Color Matching	Generates data for color matching proofs to final output. Converts input files into the final output color space. Handles spot color manipulation and overprint conversion.	Refine

JTP Type	JTP Pool Names in Prinergy Evo Client	Description	Group
Copydot	CopyDot Output Copydot Refine	On Refine: Resamples copydot data, generates alternate images for efficient viewing in Acrobat, can reformat data by retiling CopyDot data to 2k by 2k tiles, if the data is untiled and not too small to be tiled. Compresses to G4 compression if the data is not compressed or if the data is already compressed via a compression other than G4 or ZIP. On Output: Resamples when the copydot resolution is not appropriate for output. Can descreen when the output format is contone, and you want to remove screens. Can apply Harmony calibration curves to copydot data.	Refine and Output
CTMTransform	Applying Geometry	Performs geometric manipulations, such as offsets, rotations, and scaling.	Output
File Mover	File Delivery, File Moving, Preparing Remake Data	Saves files to defined locations	Refine and Output
Job Ticket Creator JTP	Creating Job Ticket	Takes the process template plus the input files and builds the job ticket (JT) that is sent to JTPs for processing. Each JT includes references to the processing parameters (trap widths, screening, OPI enabled, and so on) as well as references to the input files.	Refine and Output
Marks	Updating Marks	Handles marks. Specifically, substitutes variable marks during output.	Output
Normalizer	Normalizing	Converts PostScript files to PDF. Also does font handling, OPI replacement, flattening, page splitting, and other processing steps.	Refine
Optimizer	Optimizing	Optimizes PDF files into digital masters suitable for print, checking conditions such as compression and image resampling. Enables Advanced PDF Preflight.	Refine
Preps	Creating Imposition	Automatically creates a populated JDF file and Marks file that you can then submit for output to a device	Create Imposition

JTP Type	JTP Pool Names in Prinergy Evo Client	Description	Group
Printer (various resolutions)	Printing to Hires File	Generates high-resolution (721 dpi and higher) raster data for the specified PDF, PostScript, PJTF, and JDF files for page and imposition output. The Printer JTP can direct the output to a connected device (Kodak Trendsetter® platesetter, Kodak Lotem® Quantum platesetter, and so on), to a file on disk, or to a specific Windows print queue. Your Prinergy Evo licence dictates whether the Printer JTP is capable of low- or high-resolution output to proof, film, or plate.	Output
Printer (various resolutions)	Printing to Lores File	Generates low-resolution (720 dpi and lower) raster data for the specified PDF, PostScript, PJTF, and JDF files for page and imposition output. The Printer JTP can direct the output to a connected device (Trendsetter, Lotem Quantum, and so on), to a file on disk, or to a specific Windows print queue. Your Prinergy Evo licence dictates whether the Printer JTP is capable of low- or high-resolution output to proof, film, or plate.	Output
PrintLink	Generating PrintLink	Generates files with output plate previews for initializing ink keys on press. Files can be generated in CIP3 PPF or CIP4 JDF formats.	Output
Thumbnail	Generating Thumbnails	Embeds thumbnail images in the refined PDF files or outputs JPEG thumbnail files with the refined PDF files	Refine
Trapper	Trapping	Handles vector trapping in Prinergy Evo.	Refine
VectorOutput	Vector Output	Generates PDF, PostScript 2 and 3, and vector DCS files	Output

Working With JTPs and Daemons

If a JTP, daemon or service fails, Prinergy Evo automatically restarts it. If it repeatedly fails, Prinergy Evo assumes that something is wrong with the system and will automatically shut itself down.

In general, if a daemon, service, or JTP fails three times in a five-minute period, Prinergy Evo shuts itself down. For JTPs, however, Prinergy Evo only counts failures that happen during JTP initialization. Failures while a JTP is processing a job ticket are not counted and will never result in Prinergy Evo stopping.

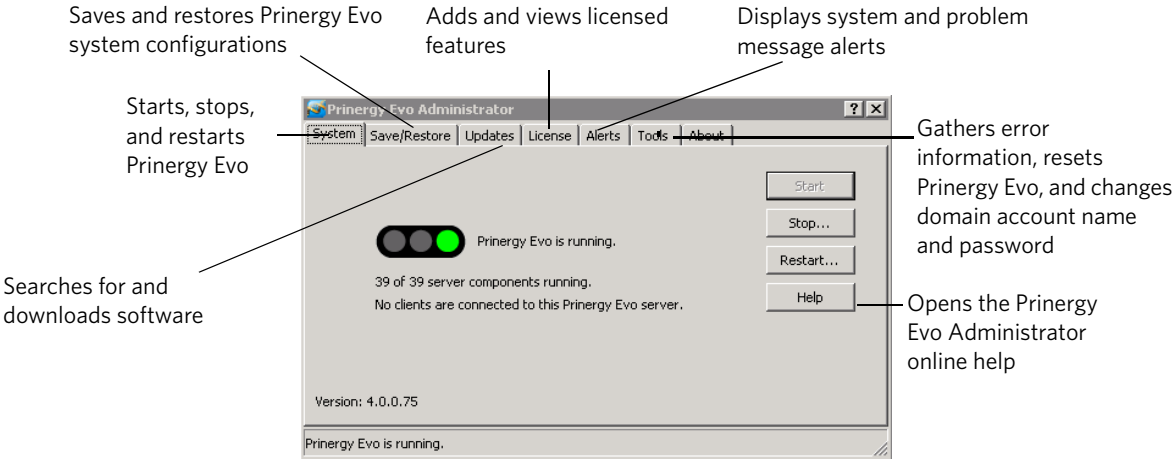
Because of this, if a JTP appears non-responsive during processing, you may need to restart the JTP. You can restart the JTP via the Prinergy Evo Client software.

If Prinergy Evo shuts itself down, you will need to manually restart it, and possibly reset it before restarting. See *Recovering Your Prinergy Evo System* on page 79 for more information.

Prinergy Evo prompts you with an alerts message when JTPs and daemons fail and when it shuts down.

Prinergy Evo Administrator (PrinergyEvoAdmin.exe)

Prinergy Evo Administrator (**PrinergyEvoAdmin.exe**) is the software that serves as the Prinergy Evo system administration user interface. Use Prinergy Evo Administrator to save, restore, update, and monitor your Prinergy Evo system. You can also use Prinergy Evo Administrator to control licensing, and start, reset, and stop the system.



About Prinergy Evo Client Software

Prinergy Evo Client software is the main client software in a Prinergy Evo system. As the main user interface to the Prinergy Evo system, it enables you to:

- Submit input files
- Create, edit, and delete process templates
- Create, monitor, and manipulate Prinergy Evo processes
- Configure submission channels (for example, hot folders), process templates and so on

After you submit an input file, Prinergy Evo Client software makes requests of Prinergy Evo Server software, which then carries out the appropriate tasks.

Prinergy Evo Client software is automatically installed on the Prinergy Evo server computer when Prinergy Evo Server software is installed. In addition, you can install Prinergy Evo Client software separately on any number of client computers and concurrently run the number of client sessions for which you are licensed.

The Prinergy Evo Client software user interface has been created to give you the same user experience as determined by your operating system. The Prinergy Evo Client software can run on Mac OS X 10.3.9 or later, Windows 2000 Server or Windows 2000, Windows Server 2003, or Windows XP Professional.

How the System Works

Prinergy Evo Server software and Prinergy Evo Client software work together to process input files.

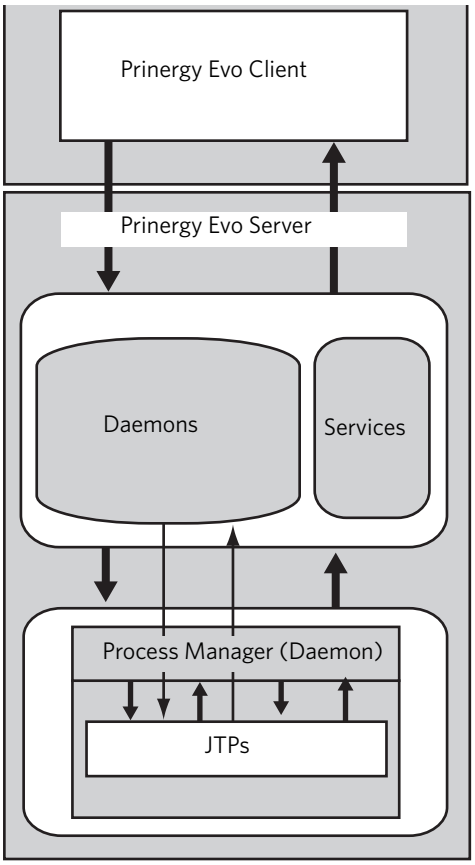


Figure 2: How the Prinergy Evo system works

The following is a basic overview of how Prinergy Evo processes input files:

1. Prinergy Evo Server software starts after installation, or after you start the server computer. Prinergy Evo Service starts various daemons and the JTPs.
2. After you submit your input file, Prinergy Evo Client software asks Prinergy Evo Server software to perform an action on the input file—for example, to normalize the input file.
3. The Job Ticket Creator JTP takes the process template plus the input file and builds one or more job tickets. The job ticket includes the process characteristics, input file references, and list of JTPs to be activated.
4. The Prinergy Evo Server software sends the job ticket to the appropriate JTPs for processing.
5. JTPs process the job ticket according to its contents. As the job ticket is processed, JTPs report progress and status back to the Process Manager. The Process Manager is always aware of the current status of the job ticket and which JTP to send the job ticket to next.
6. When the job ticket has been processed, the Process Manager informs the appropriate daemons in Prinergy Evo Server software.

7. Daemons record pertinent information about the task in the task's history record, including details such as problems encountered during processing and the output files created by the task.

Prinergy Evo's Client/Server Architecture

Computers in a Prinergy Evo system include a server computer, called the Prinergy Evo server computer, and multiple client computers, which run the Prinergy Evo Client software, and possibly some computers functioning as file servers.

Prinergy Evo Server Computers

There is one Prinergy Evo server computer in a Prinergy Evo Client/server system.

A Prinergy Evo system can also include one or more file servers. A file server stores input files, but does not run any Prinergy Evo software components or store any Prinergy Evo server folders. A file server must be visible to the Prinergy Evo server computer.

About the Prinergy Evo Server Computer

The Prinergy Evo server computer contains the components you use or create in the Prinergy Evo Client software and performs the actions requested by the components. For example, the Prinergy Evo daemons are Prinergy Evo Server components. Dropping files into a hot folder, or printing to a Prinergy Evo virtual printer (submission channels) are actions that the components perform. The Prinergy Evo Server software runs the requests you make from the Prinergy Evo Client software, Prinergy Evo Administrator, or the submission channels.

The first computer on which you install Prinergy Evo software must be the Prinergy Evo server computer. The Prinergy Evo installer automatically installs the Prinergy Evo Server software on the server computer. Once installed, you can install Prinergy Evo Client software on the client computers.

See the *Prinergy Evo Installation Guide* for more information.

Prinergy Evo Client Computers

A client computer is any computer that runs the Prinergy Evo Client software; a client computer does not execute any Prinergy Evo Server software components. Prinergy Evo Client software can run on both Window 2000 Server, Windows 2000, Windows Server 2003, Windows XP Professional, and Mac OS X 10.3.9 or later.

How It Fits Together

The Prinergy Evo Service, daemons, JTPs, and the Prinergy Evo Administrator reside on the Prinergy Evo server computer.

Prinergy Evo Client software resides on client computers. Prinergy Evo Client software communicates with the Prinergy Evo Server software using TCP/IP.

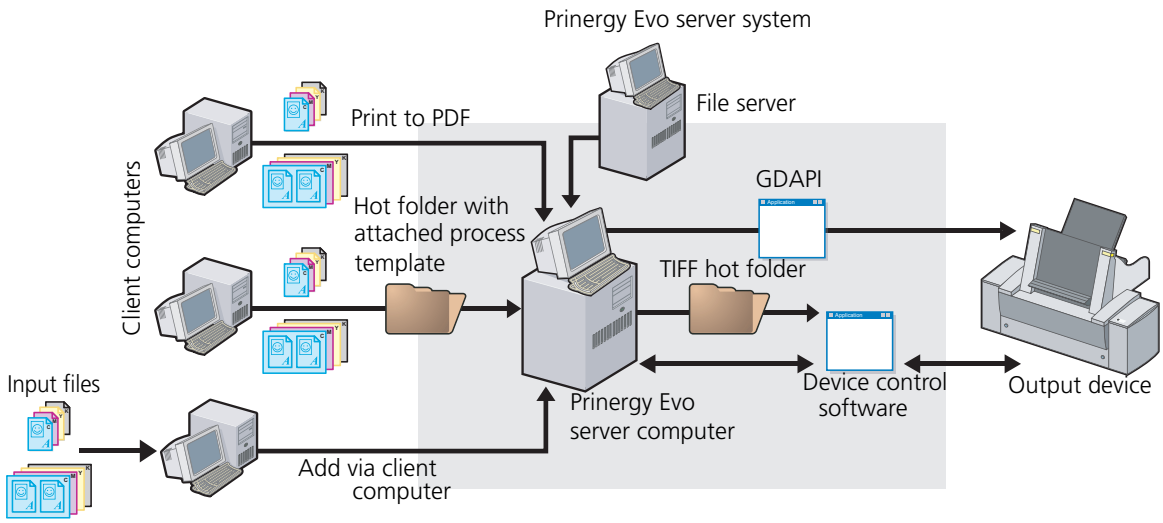


Figure 3: An example of a Prinergy Evo distributed system

Prinergy Evo System Software Components

In addition to Prinergy Evo Server software and Prinergy Evo Client software, a Prinergy Evo system includes a number of other applications that are not part of Prinergy Evo software, but are necessary to run the system.

This section outlines the various software components that make up a Prinergy Evo system. There are three types of software in a Prinergy Evo system:

- *Standard software*, which is automatically shipped with your Prinergy Evo system based on your license
- *Optional software*, which may be shipped with your Prinergy Evo system
- *Companion software*, which is not part of the Prinergy Evo system, but may be used in conjunction with your Prinergy Evo system

Operating System and Browser Software

Your Prinergy Evo server computer must be running Windows Server 2003. Client computers must be running Mac OS 9.2.x or Mac OS X 10.3.9 or later, or Windows 2000 Server, Windows 2000, Windows XP Professional, or Window 2003 Server.

You need browser software and Adobe Flash® Player to be able to display Prinergy Evo Administrator and Client online help, and to download the latest software updates. Internet Explorer versions 6.0 and later are recommended. Internet Explorer can be installed with Windows Server 2003, Macintosh operating systems, or downloaded free from the Internet.

Standard Software

The following software components are standard with Prinergy Evo and are automatically shipped with your system:

- Prinergy Evo Server software. This includes JTPs, daemons, services, and Prinergy Evo Administrator.
- Prinergy Evo Client software, for managing the workflow for each process
- Harmony software, for dot gain calibration for 1-bit screened output
- Acrobat Reader 6.0 or later, for viewing PDF files

Kodak plug-ins for Acrobat:

- **Prinergy Separation Viewer**: Lets you view the separations in PDF files
- **Kodak Prinergy DotShop™ software:** Lets you view, select, and edit halftone screening in a PDF file
- **Kodak Prinergy Geometry Editor**: Lets you visually set the trim size for one or more pages
- **Trap Viewer:** Lets you view traps created by the Kodak trapper during the refine process and view separations
- **Trap Editor**: Lets you view, edit, and recreate traps created by the Trap JTP. The Advanced Trap Editor includes special features for packaging printers. Trap Editor is licensed software
- **Plate Builder:** Lets you to add white, bump, and varnish plates to refined PDF files, and gives you an automatic mechanism to create varnish and white separations for appropriate portions of graphics.
- **Preflight Locator**: Lets you link directly from the PDF Preflight report to the exact location of the problem in the preflighted document.
- **PDF Merge:** Lets you to compare two PDF files, preserve objects from one file, and apply those objects to the other file.
- **PDF Compare**: Lets you to compare two PDF files.
- **View Accelerator**: Speeds up the display of PDF pages by using low-resolution (alternate) images

  Important: You must have Acrobat 6 software or later installed on your Prinergy Evo system in order to use Kodak plug-ins for Acrobat.

- Prinergy VPS software for the Macintosh or Windows, for viewing virtual proof files.

Optional Software

The following JTPs and font software are optional and may be included in your Prinergy Evo system. Contact your service representative for more information.

Job ticket processors (JTPs):

- Basic trap engine
- Refine to PDF option
- Low-resolution renderer (up to 720 dpi)
- High-resolution renderer (proofs, plates, and film—721 dpi and higher)
- Third-party output renderer for high resolution output to third party output devices
- Advanced HyperFlex™ screening
- Proof color management
- Vector Output
- CEPS Conversion (except for existing Brisque or PS/M customers)
- CEPS Output
- PrintLink
- Recombining separated files
- Marks
- Output PostScript
- AppleTalk Font Downloader

Companion Software

The following stand-alone software can be used in conjunction with Prinergy Evo:

- Output device control software, such as Print Console or Xpo software, Kodak Veris™ digital proofer, Kodak Integris® Proof Controller, and so on
- Imposition or layout software, for example, Preps digital imposition software or Kodak Pandora® step-and-repeat software
- Remote Service Software, enabling service representatives to connect to your computer in order to troubleshoot a problem

For a current list of companion software, contact your service representative.

Prinergy Evo Software Summary

The following table describes the various Prinergy Evo system software components in terms of operating systems, type (standard or companion), and supported locations.

Software	Platform	Type	Server	Client computer
Prinergy Evo Server software (includes Prinergy Evo Administrator)	Windows Server 2003	Standard	Y	
Prinergy Evo Client software	▪ Mac OS X 10.3.9 or later ▪ Windows 2000 Server ▪ Windows 2000 ▪ Window Server 2003 ▪ Window XP Professional	Standard		Y
Harmony	▪ Windows Server 2003	Standard	Y	
Acrobat 6.0 or later (optional)	▪ Mac OS X 10.3.9 or later ▪ Windows 2000 Server ▪ Windows 2000 ▪ Window Server 2003 ▪ Window XP Professional	Standard	Y	Y
Prinergy VPS software	▪ Mac OS ▪ Windows 2000 Server	Standard		Y
Output device control software	▪ See your device controller specifications	Companion		
Imposition software, for example, Preps 4.2.2 or later and Pandora 2.x or later	▪ See your software specifications	Companion	Y	Y

Additional Resources

Copies of the *Prinergy Evo Quick Reference Card* and the *Prinergy Evo System Administration Guide* are available on the Prinergy Evo server computer. To access the documents, navigate to

\\<your server name>\PgyEvoInstll\doc

To access copies of the Prinergy Evo training material, see the Prinergy Evo Learning Kit DVD.

Documents	Description
Prinergy Evo Quick Reference Card	Provides an installation checklist, system overview, and basic configuration information. Designed to help you understand how the parts of the Prinergy Evo system work together, how to create submission channels, and how to submit files for output.
Prinergy Evo Quick Reference Card 2	Provides an overview of how to use the Workflow Template Editor, a powerful tool that you can use to link process and control steps together. This document also gives an overview of dynamic settings.
Prinergy Evo Client online help	Provides reference and procedural information to help you configure and manage your Prinergy Evo system.
Prinergy Evo Administrator online help	Provides reference and procedural information on the Prinergy Evo Administrator software.
Prinergy Evo PDF Preflight help	Provides reference and conceptual information to help you use PDF Preflight software, which evaluates a PDF file and detects problems that may affect processing in a publishing or prepress workflow.
Prinergy Evo System Administration Guide	Provides system administration information to help you configure and manage your Prinergy Evo system.

Documents	Description
Prinergy Evo Learning Paths	Helps you determine which learning tools to focus on based on the type of job you do. Consult this document first to determine what your learning path should be.
Prinergy Evo Learning Guide Introduction to Prinergy Evo WBT	Introduces the product. Tells you what Prinergy Evo software is and what it does.
Prinergy Evo 3.0 Getting Started Guide	Provides a hands-on perspective of how to use the Prinergy Evo software, with a realistic view of the product. Prepares you to start actively using Prinergy Evo software.
Feature Demonstrations	Demonstrates key features of the product that you can watch in a browser. To view these demonstrations, ensure Flash Player is installed.

2

Starting and Stopping Prinergy Evo Server

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The Prinergy Evo System 32
Prinergy Evo Server Software 33

Introduction

This chapter provides information on the following:

- Starting the Prinergy Evo system
- Shutting down the Prinergy Evo system
- Starting Prinergy Evo Server software
- Stopping Prinergy Evo Server software
- Resetting Prinergy Evo Server software

The Prinergy Evo System

The Prinergy Evo system includes a server, one or more client computers, and any peripheral devices such as proofing devices and output devices.

Following the proper procedures for starting and shutting down the system will help safeguard against equipment damage and data loss.

Starting the Prinergy Evo System

Prinergy Evo Server software automatically starts after the installation is finished and whenever you start your Prinergy Evo server computer. You can also manually start Prinergy Evo Server software via the Prinergy Evo Administrator.

Once the Prinergy Evo system starts, it does not need to be shut down unless problems occur or maintenance work is required. Under normal operating conditions, the system remains on at all times.

To start the Prinergy Evo system:

1. Turn on all peripheral devices.

   These can include:

   - Proofing devices
   - Output devices

2. Turn on the Prinergy Evo server computer and any file servers.

   Wait for the operating system and Prinergy Evo Server software to start.

3. From the **System** tab in the Prinergy Evo Administrator dialog box, check that Prinergy Evo Server software is running**.**
4. Once Prinergy Evo Server software is running, start the Prinergy Evo client computers and monitor, and the Prinergy Evo Client software.

Completely Shutting Down the Prinergy Evo System

You usually do not need to shut down the system, unless problems occur or maintenance work is required. Under normal operating conditions, the system remains on at all times.

Note: Use Prinergy Evo Administrator to stop Prinergy Evo Server software without shutting down the system. See *Restarting and Stopping Prinergy Evo Server Software* on page 34.

To shut down the Prinergy Evo system:

1. On each Prinergy Evo client computer, exit Prinergy Evo Client software and shut down the computer.
2. When prompted, turn off the power switch on each Prinergy Evo client computer.
3. On the Prinergy Evo Server software, in the Prinergy Administrator dialog box, **System** tab, click **Stop** to stop the Prinergy Evo Server software.
4. Stop any other Prinergy Evo software, and then shut down your server computer.
5. Turn off the power switch on the Prinergy Evo server computer.
6. Turn off any peripheral devices. These can include:
   - Proofing devices
   - Output devices

Prinergy Evo Server Software

Prinergy Evo Server software is made up of a number of components, including daemons, Prinergy Evo services, and JTPs. It also includes Prinergy Evo Administrator, the software that serves as the Prinergy Evo system administration user interface.

For more information about Prinergy Evo Server software, see *About Prinergy Evo Server Software* on page 14.

Starting Prinergy Evo Server Software

If you manually stop Prinergy Evo, or the system has automatically stopped itself, use Prinergy Evo Administrator to start Prinergy Evo Server software.

To start Prinergy Evo Server software using Prinergy Evo Administrator:

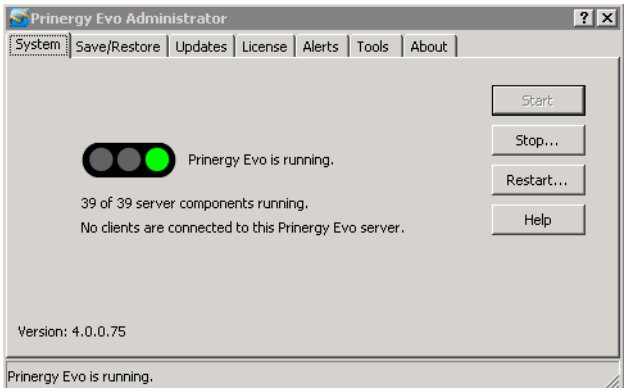
1. Log on to a Prinergy Evo server computer as an administrator.

   You must have administrator privileges in order to use Prinergy Evo Administrator. If you have not logged on to the system using an account with administrator privileges, you will be prompted to log on with an appropriate account when Prinergy Evo Administrator starts.

2. From the **Start** menu, select **Programs** > **Prinergy Evo** > **Prinergy Evo Administrator**.

   Or, from the desktop tool bar, select the system tray icon, right-click and select **Open Administrator** from the shortcut menu.

   Prinergy Evo Administrator dialog box appears.



3. From the **System** tab, select **Start**.

   Prinergy Evo takes a few moments to start.

   For more information about using Prinergy Evo Administrator, see the Prinergy Evo Administrator online help.

Restarting and Stopping Prinergy Evo Server Software

Use Prinergy Evo Administrator to stop or restart Prinergy Evo Server software without shutting down the system. You stop and then restart Prinergy Evo Server software from the Prinergy Evo Administrator.

Restarting Prinergy Evo Server Software

Restart Prinergy Evo Server software if the software is behaving in an unexpected manner or is not responsive. When you restart Prinergy Evo, the system automatically stops and then restarts. For more information on restarting your server, see the Prinergy Evo Administrator online help.

We recommend you try to restart your Prinergy Evo Server software before you try to reset it.

Stopping Prinergy Evo Server Software

Stop Prinergy Evo Server software if the software is behaving in an unexpected manner or is not responsive. When you stop Prinergy Evo, the system automatically stops. You must then manually restart Prinergy Evo Server software. For more information about restarting your server, see the Prinergy Evo Administrator online help.

To stop or restart Prinergy Evo Server using Prinergy Evo Administrator:

1. Log on to a Prinergy Evo server computer as an administrator.

   You must have administrator privileges in order to use Prinergy Evo Administrator. If you have not logged on to the system using an account with administrator privileges, you will be prompted to log on with an appropriate account when Prinergy Evo Administrator starts.

2. From the **Start** menu, select **Programs** > **Prinergy Evo** > **Prinergy Evo Administrator**.

   Or, from the desktop tool bar, select the system tray icon, right-click and select **Open Administrator** from the short-cut menu.

   Prinergy Evo Administrator appears.

3. If you are stopping the Prinergy Evo system, from the **System** tab, select **Stop**.

   The Prinergy Evo Shutdown dialog box appears.

4. If you are restarting the Prinergy Evo system, from the **System** tab, select **Restart.**

   The Prinergy Evo Restart dialog box appears.

5. Select **Finish Current Processing before stopping Prinergy Evo** to let the JTP currently processing a file finish before stopping Prinergy Evo.

6. Select **Halt processing immediately (may be resumed later)** to stop the file processing immediately.

7. If you are stopping Prinergy Evo, click **Stop**.

   If you are restarting Prinergy Evo, click **Restart**.

   Prinergy Evo can take a few minutes to stop running. If it does not stop running, click **Force Quit**.

8. Click **Done**.

   The processes restart when you restart Prinergy Evo. When processes restart, if you stopped the process by selecting **Finish Current Processing before stopping Prinergy Evo,** they restart with the next JTP. If you selected **Halt processing immediately (may be resumed later),** the processes restart within the same JTP. In the latter case, when you halt in the middle of JTP processing, it restarts at the beginning of the JTP's task step—for example, if the file was being trapped, then the trapper retraps the page starting from the beginning.

Resetting Prinergy Evo Server Software

If you want to recover your Prinergy Evo system, Kodak recommends that you follow *Recovering Your Prinergy Evo System* on page 79. However, if you know that you do not need to save the active processes and perhaps process history, and restarting Prinergy Evo does not fix the problem, you can reset the Prinergy Evo Server software.

For example, if Prinergy Evo automatically shuts itself down after a component fails too many times in a row, manually restart and then possibly reset Prinergy Evo in order to recover from the automatic stop. (There is no need to restart the computer.)

To reset Prinergy Evo:

1. Open the Prinergy Evo Administrator dialog box.
2. In the **Tools** tab, click **Reset Evo**.
3. In the Reset Prinergy Evo dialog box, **How severe should this reset of Prinergy Evo be?** list, select an option.

   Important: We recommend that you reset your system incrementally, starting with option **1. Discard all incomplete processes**. If the problem persists, reset your system with option 2., and so on.

4. Click **Reset Now**.

See the Prinergy Evo Administrator online help for more information on resetting Prinergy Evo.

3

Managing Prinergy Evo

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Introduction

This chapter provides information on configuring and managing your Prinergy Evo system. It begins with an overview of the configuration steps required to get your Prinergy Evo system up and running.

The rest of the chapter contains detailed information on each of these steps. Use these instructions if you want to make configuration changes to your Prinergy Evo system.

About Windows and Prinergy Evo

Many of the configuration activities in Prinergy Evo involve Windows procedures—for example, setting up user accounts and groups. This manual does not provide detailed information on performing general Windows procedures; rather, it outlines the Prinergy Evo-specific information that you need to know.

For detailed information about Windows procedures, see the Windows Server 2003 documentation.

Prinergy Evo Configuration Tasks

Configuration Task	Software Used
Managing Prinergy software licensing	Prinergy Evo Administrator
Managing JTPs and JTP pools	Prinergy Evo Client
Creating user accounts and groups	• In a workgroup: Windows Computer Management > Local groups and users • In a domain: Windows Active Directory Users and Computers
Manage the Prinergy Evo Service account	• In a workgroup: Windows Computer Management (various tools) • In a domain: Windows Active Directory Users and Computers and Windows Computer Management (various tools)
Assigning volumes for file storage	• Prinergy Evo Client • Windows Computer Management
Adding input folders	• Windows Computer Management
Configuring proofing devices	• Prinergy Evo Client • Preps • Pandora • Device Control software • Harmony—for one-bit screened output

Configuration Task	Software Used
Configuring output devices	• Prinergy Evo Client • Preps • Pandora • Harmony—for one-bit screened output • Device control software for output device—for example, Print Console, Xpo software
Set Prinergy Evo user rights (optional)	• Windows Computer Management
Configure Prinergy Evo Client hot folder behavior (optional)	• Prinergy Evo Client

Overview of Initial Prinergy Evo Configuration

Once you have installed Prinergy Evo, you must configure your system before you can begin to process input files and work with Prinergy Evo.

For more information on installing your Prinergy Evo system, see the *Prinergy Evo Installation Guide*.

To configure your Prinergy Evo system after installation:

1. Using Prinergy Evo Administrator, confirm that your Prinergy Evo system is licensed to run the features and JTPs you require. If you need additional features or JTPs, obtain a new license key, and then use Prinergy Evo Administrator to enable your system.

   For more information about licensing, see Prinergy Evo Administrator online help.

2. If you want a set of dedicated JTPs for urgent priority processes or remakes, determine which JTPs you need and then use Prinergy Evo Client software to remove those JTPs from their system pools.

   For more information on adding and removing JTPs from pools, see the Prinergy Evo Client online help.

   Note: You need to be licensed for more than one set of JTP system pools. A JTP system pool is a group of one or more similar JTPs that have been grouped together to further automate your workflow. A JTP pool enables Prinergy Evo software to automatically distribute tasks to individual JTPs, rather than you coordinating which JTP to use.

3. Using the appropriate Windows management tools, create user accounts and user groups for the system (optional).

   If you are in a domain, use Windows Server 2003 Active Directory Users and Computers to create accounts and groups on your domain controller. If you are in a workgroup, use Windows Server 2003 Computer Management to create parallel user accounts and groups on each server in your system.

   For more information, see *Setting Up User Accounts and User Groups* on page 45.

4. If required, use the appropriate Windows management tools to manage the Prinergy Evo server computer's Windows service user accounts.

   Prinergy Evo's Windows service (**PrinergyEvoService.exe**) use a special Windows account to start Prinergy Evo Server software.

   Prinergy Evo Service must be configured to use an account with network privileges on your network. The Prinergy Evo Service network account is configured when your system was installed; however, you may want to change the password or run it under a different account.

   For more information, see *Managing the Prinergy Evo Windows Service* on page 45.

5. If required, assign a new volume for file storage.

   For more information, see *Assigning a New Volume for File Storage* on page 51.

6. If required, add a new input folder on a file server.

   For more information, see the *Prinergy Evo Installation Guide*.

7. On the Prinergy Evo server computer, set up remote support.

This enables your service representative to connect directly to your system for troubleshooting.

8. On your Prinergy Evo server computer, configure any proofing devices that you plan to use with Prinergy Evo.

   Configuring a proofing device involves creating process templates, setting up calibration curves, and creating test proofs. For more information, see the *Prinergy Evo Installation Guide*.

9. Configure any output device that you plan to use with Prinergy Evo.

   Configuring an output device involves creating process templates, creating plate types, setting up calibration curves, and creating test plates. For more information, see the *Prinergy Evo Installation Guide*.

10. Configure submission channels (hot folders, template palette, virtual printers) via the Prinergy Evo Client software.

Managing Prinergy Evo Licensing

Prinergy Evo is a customizable, expandable system that is controlled by licensing. You can add new features or JTPs by entering a new license key in Prinergy Evo Administrator. You can also check what features are enabled on your system. To find out about obtaining a new license key, see the Prinergy Evo Administrator online help.

Important: If you are updating Prinergy Evo and have purchased a new license for a Prinergy Evo feature, you must enter the license key for the new feature.

See the Prinergy Evo Administrator online help for information on managing Prinergy Evo licensing.

Screen Licensing

This section describes how screen licensing works.

Licenses must be purchased for some of the screen systems that you can use in Prinergy Evo.

Some output JTPs—Vector Output—do not perform screening.

Note: The Creosettes screen system is part of the standard Prinergy Evo license.

For more information about screens, including descriptions of Prinergy Evo screens, see the Prinergy Evo Client online help.

Screen License Enforcement in Prinergy Evo Client Software

Licensing for most screens is enforced based on the screen names. Where licensing is enforced based on screen names, screens that are not licensed cannot be selected in the Process Template Editor in Prinergy Evo.

The licensable screen options that behave differently are Kodak Staccato® stochastic screening software, Staccato 10, Staccato 20, Staccato 25, Kodak HyperFlex 7.5 degrees, Kodak Maxtone™ hybrid AM screening software, and solid screening.

Maxtone Screen Licensing

Traditionally, when printing on low-quality paper or flexographic plates or when using older offset presses, printers had to constrain images to a reduced tonal range. Otherwise, halftone dots would either become too small to hold on press or too large. (Shadows would get plugged.)

Maxtone screening provides an alternative approach to the distribution of device pixels, to ensure that the width of every halftone dot is always at least as large as the prescribed Maxtone width settings.

You must specify a dot width value for highlights and shadows in the **Maxtone Dot Width** box in the **Calibration & Screening** section of an output process template. When you don't use Maxtone screening, both dot widths are 1 micron; when you use Maxtone screening, the dot width values are greater than 1 micron.

If you enter a value greater than 1 micron for either dot width, but Maxtone screening is not licensed, the output task fails with a `screening not licensed` error message.

HyperFlex Screen Licensing

Used only on flexographic plates. HyperFlex allows for smaller dots and or graphic elements to be held on plate during UV exposure of the plate. To do this, you must set the HyperFlex screening value in the **Calibration & Screening** section, **HyperFlex** box.

HyperFlex enables you to:

- Specify a smaller minimum dot size when using Maxtone screening
- Adjust the relief depth in and around small dots and or graphic elements
- Adjust the width of the shoulder base that supports small dots and or graphic elements

Configuring JTPs

A JTP is software that performs a specific task to help process a job ticket.

The number of instances of a JTP that you can run on your system depends on your Prinergy Evo hardware and licensing agreement.

All JTPs of a given type, for example, the Normalizer type, are initially assigned to run in the pool of JTPs of that type. These pools are called the system pools. System pools enable Prinergy Evo to balance your processing load. For example, on a multi-processor system, if you have two Normalizer JTPs in a Normalizer system pool, Prinergy Evo can normalize two input files at the same time, thus saving processing time.

You can remove a JTP from its system pool using the Prinergy Evo Client software. Removing JTPs from system pools allows you to send input files for processing directly to that specific JTP (rather than any JTP in the system pool). You specify which JTPs to use for processing in the Process Template Editor.

For example, if you want a set of dedicated JTPs for urgent priority processes, or remakes, determine which JTPs you need, and then use Prinergy Evo Client software to remove those JTPs from their system pools.

If you remove a JTP from the system pool, use the Process Template Editor to select the JTP. Process templates identify which JTPs should be sequenced together to automate Prinergy Evo tasks.

For a description of each JTP, see *About Job Ticket Processors* on page 18.

For information about creating process templates, see the Prinergy Evo Client online help.

About JTP System Pools

A JTP system pool is comprised of one or more JTPs that perform the same task and that have been grouped together to further automate your workflow.

Note: A JTP pool cannot include different types of JTPs—for example, you cannot have a ColorMatcher JTP in the same pool as a Trapper JTP.

Types of JTP System Pools

Use Prinergy Evo Client software to add or remove JTPs from JTP system pools. Use the Process Template Editor to create process templates that direct work to the system pool, or alternatively a specific JTP.

There are several types of JTP pools:

Type of JTP Pool	Does This...
CEPS Conversion	Converts CT/LW and TIFF/IT-P1 pages to composite PDF 1.3 output.
CEPS Output	Generates CT/LW and TIFF/IT files from PDF pages
ColorMatcher	Generates data for color matching refined PDFs, proofs, and final output

Type of JTP Pool	Does This...
Copydot	Detects copydot data in PDF files and optimizes them for efficient processing.
CTMTransform	Applies geometry settings such as offsets, margins, and so on
FileMover	Saves files to defined locations
JTC	Job Ticket Creator. See *Daemons* on page 14
Marks	Replaces variable marks during output
Normalize	Converts PostScript files to PDF, embeds fonts, and replaces images with OPI
Optimize	Optimizes PDF files into digital masters suitable for print, checking conditions such as compression and downsampling
Preps	Automatically creates a populated JDF file and Marks file that you can then submit for output to a device
Printer	Creates low-resolution output (less than 721 dpi), or high-resolution output (721 dpi or greater), suitable for low- and high-resolution proofing, platemaking, and filmmaking
PrintLink	Generates files with output plate previews for initializing ink keys on press. Files can be generated in **CIP3.ppf** or CIP4 JDF formats
Thumbnail	Embeds thumbnail images in the refined PDF files or outputs JPEG thumbnail files with the refined PDF files
Trapper	Handles trapping in Prinergy Evo
Vector Output	Generates vector format files for page and imposition output

Advantages of a JTP Pool

By using a JTP system pool, you can direct Prinergy Evo to automatically distribute tasks to the first available JTP that can handle the task, rather than having to coordinate which JTP to use. This helps you automatically perform multiple processes at the same time.

Otherwise, when you create a process template, you direct the process template to a specific JTP. If you are processing multiple processes at the same time, you may have to wait until that JTP is free for your process to continue. However, work directed to the pooled JTPs of that type will never be sent to that JTP, so it will be available for high-priority work (assuming no other high-priority work is happening) even while lower-priority work waits for JTPs in the system pool.

How to Configure JTPs

Use Prinergy Evo Client software to configure JTPs. You can:

- Add and remove JTPs from the JTP system pools
- Monitor which JTPs are active
- Restart specific JTPs

For more information about managing JTPs, see the Prinergy Evo Client online help.

Setting Up User Accounts and User Groups

Take the time to plan your user accounts and user groups. Careful planning will help make Prinergy Evo system administration easier to manage.

See *Setting Up User Accounts and User Groups* on page 68 for recommended user account and user group practices.

For information about Windows user accounts and user groups in general, see your Windows documentation.

About the Log On Account Needed to Install Prinergy Evo Server Software

The account that you log on under to install Prinergy Evo on the server can be:

- A local account
- A domain account

In both cases, the account must have administrator privileges on the Prinergy Evo server computer (the local computer). If your account does not have administrative privileges, the Prinergy Evo installer displays the message `Please log on as an Administrator before installing Prinergy Evo`.

See *About the Service User Account Prinergy Evo Operates Under* on page 46.

Managing the Prinergy Evo Windows Service

This section provides information about managing the Prinergy Evo Windows service, Prinergy Evo Service.

Prinergy Evo Service is responsible for starting, stopping, and resetting Prinergy Evo.

When you install Prinergy Evo, the installer automatically configures the Prinergy Evo Service to use the user account name and password that you provided in the Service Account dialog box during installation. However, you may want to:

- Change the user account password
- Create a new user account for Prinergy Evo Service to use

About the Prinergy Evo Service Network User Account

When installing Prinergy Evo Server software, you must use a user account that has administrative read, write, and modify privileges on all shares to which the Prinergy Evo server computer connects. This account provides the network access privileges for the Prinergy Evo server computer.

The Prinergy Evo Service is a Windows service used by Prinergy Evo to start processes such as daemons and JTPs that require network privileges.

Prinergy Evo Service Network User Account Rights

The Prinergy Evo Service user account must have **Log on as a service** rights.

In addition, the Prinergy Evo Service user account must be part of the Windows administrators group.

Important: If you log on to the system using the Prinergy Evo Service account, it must have administrative access to the system. For example, you can edit user accounts and system settings. To maintain system security, limit knowledge of the Prinergy Evo Service account and password to authorized users only.

About the Service User Account Prinergy Evo Operates Under

During installation, the user account you enter in the Service Account dialog box, **Account** box, is the user account that the Prinergy Evo Service uses to run Prinergy Evo Windows Service. The Service account entered in the **Account** box can be one of the following:

- An existing local user account
- An existing domain user account (has been created on a domain controller elsewhere in the network)
- A new user account for which you can supply a name

When you enter the user account and password, the installation wizard adds the user account to the Administrators group, unless the user account is already a member of the group.

The user account you enter into the **Account** box does not need administrator privileges on other computers.

If Prinergy Evo server computer needs to read files from and write files to other computers—for example, file servers—the Prinergy Evo Service user account needs to have read and write privileges on the shared folders that Prinergy Evo is reading from and writing to.

Normally, you will not need to change the information entered during installation. However, you may decide to change the password associated with this user account, or even change the user account under which Prinergy Evo Sever software runs. In these cases, see *Setting the Log on Properties for Prinergy Evo Windows Service* on page 47.

Setting the Log on Properties for Prinergy Evo Windows Service

Once you create a new network user account for Prinergy Evo Service to run under and add the appropriate rights, reset the log on properties under which the Prinergy Evo Service user account runs. This enables the service to access the necessary resources on the system.

You can reset the log on properties for the Prinergy Evo Service network account via the computer's Windows Administrative Services tool, or via the Prinergy Evo Administrator dialog box, **Tools** tab **> Evo Password** button on the Prinergy Evo server computer.

To set log on properties for Prinergy Evo Service:

1. Log on as an administrator.
2. From the Windows **Start** menu, select **Settings > Control Panel > Administrative Tools > Services**.

   The Services window appears.
3. In the right pane, right-click **Prinergy Evo**, and select **Properties**.

   The Properties dialog box for the service appears.
4. On the **Logon** tab, do the following:
   a. Select **This account** and type the name of the account that you want to use as the service account. If you are using a domain account, type the full account name, including the domain prefix.

      For example, `Prinergy_Evo\User`, where `Prinergy_Evo` is the domain, and `User` is the account name.

   b. In the **Password** and **Confirm Password** boxes, type a password.

      Important: If you are not working in a Windows domain environment, ensure that you use the same password for each server on the system. This ensures that the servers can access all necessary resources on the system.

   c. Click **OK**.
5. Stop and restart Prinergy Evo Administrator.

About the Prinergy Evo Service User Account and Workgroups

If your Prinergy Evo system is in a workgroup, note the following:

- Make sure the Prinergy Evo Windows Service user account is added to all Windows servers in the workgroup, including shares storing input files. This gives all Prinergy Evo Windows Service components access to all necessary resources on your network.
- Assign the same password to all Prinergy Evo Windows Service user accounts. This enables the Prinergy Evo Windows Service user account to log on to all servers on the system. For more information about passwords, see *Tips for Managing Passwords* on page 69.

Changing the Prinergy Evo Service User Account Password

The Prinergy Evo Service account has administrator rights; therefore, anyone who logs on using this account can make administrative level changes to your Prinergy Evo Server system.

You may want to change the user account name and password for the account that Prinergy Evo Service uses to log onto the Windows Services account to increase system security. For example, change the password if an unauthorized user discovers the password.

There are two methods to change the password:

- From the Prinergy Evo Administrator dialog box > **Tools** tab > **Evo Password** button.
- From your Prinergy Evo Server computer's **Administrative Tools** > **Services** option. See *Setting the Log on Properties for Prinergy Evo Windows Service* on page 47

To change the log on user account and password via the Prinergy Evo Administrator dialog box:

1. In the **Tools** tab, click **Evo Password**.
2. In the Change Service User Name and/or Password dialog box, **DOMAIN/loginid** box, type the new domain and user account names. For example: `<Domain>\<user name>`.
3. In the **Password** box, type the user account password.
4. In the **Reenter Password** box, type the user account password again. It must match the password you entered in the **Password** box.
5. Click **Confirm**.

   For more information about domains and workgroups, see *Setting Up User Accounts and User Groups* on page 68.

Changing the Password for a Prinergy Evo Workgroup User Account

If your Prinergy Evo system is in a workgroup, you must assign the same password to each Prinergy Evo Service user account on the system so that all Prinergy Evo Server software components can access all resources on your network.

This means that you must change the password on each Windows server on the system, including:

- The Prinergy Evo server
- Windows shares

To change the Prinergy Evo Service user account password in a workgroup:

1. Log on as an administrator.
2. From the Windows **Start** menu, select **Programs > Administrative Tools > Computer Management**.

   The Computer Management window appears.

3. On **Tree** tab, click **Local Users and Groups** to expand the tree, and then select **Users**.
4. Right-click the Prinergy Evo Service user account, and select **Set Password**.

   The Set Password dialog box appears.
5. In the **New password** and **Confirm password** boxes, type the password.
6. Click **OK**.
7. Repeat steps 1 to 6 on each Windows server on the network, including all file servers.

Important: Assign the same password to each Prinergy Evo Service user account so that all Prinergy Evo Server software components can access all resources on your network, including Windows shares that store input files.

Creating New Prinergy Evo Service Accounts

The Prinergy Evo Service user account is set up when your system is installed. In general, you should not have to change this account. However, you may want to create a new user account for Prinergy Evo Service. For example, you may want to create a new account if:

- The user account is deleted
- Unauthorized users gain access to the user account and password, which enables them to make administrative level changes to the system.

  Tip: If you are creating a new user account for security reasons, consider changing the password instead. Creating a new user account involves multiple procedures.

The Prinergy Evo Service user account must have the right to **Log on as a service.**

In addition, the user account must be part of the local administrator's group on the server.

The procedure for creating a new Prinergy Evo Service user account varies, depending on whether your Prinergy Evo system is part of a domain or part of a workgroup.

Creating Prinergy Evo Service User Account in a Workgroup

In a workgroup environment, you must create parallel Prinergy Evo Service user accounts on each Prinergy Evo server on your system; accounts are not managed by a domain controller and must be maintained on all Prinergy Evo servers computers.

For detailed information about the procedures, see the Windows Server documentation.

To create an Prinergy Evo Service user account in a workgroup:

1. Log on as an administrator.
2. From the Windows **Start** menu, select **Control Panel > Administrative Tools > Computer Management**.

   The Computer Management window appears.
3. On the **Tree** tab, click **Local Users and Groups** to expand the tree.

4. Right-click **Users**, and select **New User** from the submenu.

   The New User dialog box appears.

5. Set the following parameters:

   - In the **User name** box and **Full name** boxes, type a name for the account.

     The user name must be unique; it must not duplicate any user or group name on the computer. It can consist of up to 20 uppercase and lowercase characters, except for the following:
     " / \ [ ] : ; | = , + * ? < >.

   - In the **Password** and **Confirm Password** boxes, type a password.
   - Select the **Password never expires** check box.

6. Click **Create**, and then click **Close**.
7. Add the **Log on as service rights** to the Prinergy Evo Service user account that you just created.

   For information about adding rights, see *Adding Rights to the Prinergy Evo Service User Account* on page 50.

8. Add the account to the administrators group.

   For detailed information about adding user accounts to groups, see the Windows Server 2003 documentation.

   Important: Assign the same password to each Prinergy Evo Windows Service user account on the system. This enables each Prinergy Evo server computer to access all resources on the network, including Windows shares that store input files.

9. In the Prinergy Evo Administrator dialog box, Tools tab, change the user account and password that the Prinergy Evo Service runs under. See *Changing the Prinergy Evo Service User Account Password* on page 48.

Adding Rights to the Prinergy Evo Service User Account

On the Windows server on the Prinergy Evo system, you must add the appropriate user right to the Prinergy Evo Service account. This enables Prinergy Evo Service to access necessary resources on the system. This right is to **Log on as service.**

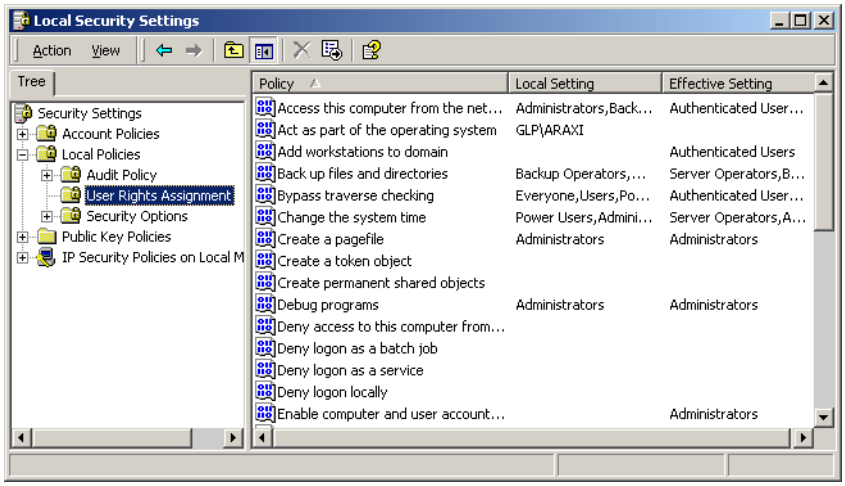
To add rights to the Prinergy Evo Service user account:

1. Log on as an administrator.
2. From the Windows **Start** menu, select **Settings > Control Panel > Administrative Tools > Local Security Policy**.

   The Local Security Settings window appears.

3. On the **Tree** tab, expand **Local Policies,** and select **User Rights Assignment**.

   The right pane displays a list of user rights.



4. In the Local Security Settings dialog box right pane, right-click **Log on as a service** and select **Properties**.

   The Log on as services Properties dialog box appears.
5. In the **Local Security Policy Setting** tab, click **Add User or Groups**.

   The Select Users, Computers, or Groups dialog box appears.
6. In the **From this location** box, click **Locations**.

   The Locations dialog box appears.
7. In the **Location** box, select the Prinergy Evo server computer.
8. Click **OK**.
9. In the **Enter the object names to select** box, type the user account name.
10. Click **Check Names**.
11. Click **OK**.
12. The Log on as services Properties dialog box displays the user account name.
13. Click **OK**.

Assigning a New Volume for File Storage

This section describes how to assign new volumes or shares to Prinergy Evo for file storage.

Add a new file storage folder by creating a new Windows share on the Prinergy Evo server computer or a file server. For more information about the different types of Prinergy Evo server computers, see *Prinergy Evo Server Computers* on page 24.

Creating a New Windows Share

A standard share is a Windows share used by Prinergy Evo to store input files, processed files, and PDF files.

Input files contain original information for a process. Input files can be stored on any network location that Prinergy Evo has administrative and read, write, and modify privileges via a UNC path.

Input files must be located on a volume that:

- Has appropriate sharing permissions
- Can be accessed by the Prinergy Evo server computer

During installation, Prinergy Evo automatically creates a **JobData** and a **HotFolders** shared folder on the Prinergy Evo server computer.

You may want to create a new standard share if:

- You have added a new volume (drive) to a Prinergy Evo server computer and want to store input files on it.
- You are running out of space on your existing file storage folders.
- You want to store job files off the Prinergy Evo server.
- You want to separate jobs for organizational or security reasons.

To create a new standard share using Windows Server 2000:

1. On the desktop, right-click **My Computer**, and then select **Manage**.

   The Computer Management window appears.
2. In the left pane, double-click **Shared Folders** to expand the console tree.
3. Right-click **Shares**, and select **New File Share**.

   The Shared Folder wizard appears.
4. In the Shared Folder dialog box wizard, **Folder to Share** box, click **Browse** and select the folder that you want to share.

   Kodak recommends that the share resides on a NTFS volume, or an error message will appear during the share creation process.
5. If you are running a Macintosh OS 9.2.x client (Prinergy Evo 1.2 Client software and earlier runs on OS 9.x and OS X), select the **Apple Macintosh** check box. You can only access shared folders on the Prinergy Evo server computer from an AppleTalk connection when running Mac OS 9.2.x.

   Note: You can only create Macintosh shared folders if on the Prinergy Evo server computer **File Services for Macintosh** is installed and activated.

   In addition, it is recommended that you connect to the Prinergy Evo shares using the same protocol consistently. If you don't have any Macintosh OS 9 clients in your network that will be connecting to the Prinergy Evo server, it is recommended you use Server Message Block Protocol (SMB) exclusively. If you need to share files on the server between Macintosh OS 9 and OS X, you should use AppleTalk.

6. If you are running on a Macintosh OS X 10.3.9 or later client (Prinergy Evo 3.0 Client software and later only runs on OS X), in the **Accessible from the following clients** area, select one of the following check boxes:
   - **Microsoft Windows**
   - **Apple Macintosh**

   You can access shared folders on the Prinergy Evo server computer from both an AFP and SMB connection on a client computer running Mac OS X 10.3.9 or later.
7. If you are running only Windows clients, in the **Accessible from the following clients** area, select the **Microsoft Windows** check box.
8. In the **Share name** box, type a name.
9. In the **Share description** box, type a description for the share—for example, `New_PrinergyEvo_Volume`.
10. If you're running a Macintosh client, in the **Macintosh share name** box, type a name. For example, `PS_on_SCHEN_D_Drive`.
11. Click **Next**.
12. In the Permissions dialog box, select the required permissions level.
13. Click **Finish**.
14. Click **Yes** if you want to create another shared folder or **No** if you are finished.

To create a new standard share using Windows Server 2003:

1. On the desktop, right-click **My Computer**, and then select **Manage**.

   The Computer Management window appears.
2. In the left pane, double-click **Shared Folders** to expand the console tree.
3. Right-click **Shares**, and select **New Share**.

   The Share a Folder wizard appears.
4. In the Share a Folder dialog box wizard, **Folder Path** box, click **Browse** and select the folder that you want to share. Click **Next**.

   Kodak recommends that the share resides on a NTFS volume, or an error message will appear during the share creation process.
5. If you are running a Macintosh OS 9.2.x client (Prinergy Evo 1.2 Client software and earlier runs on OS 9.x and OS X), select the **Apple Macintosh users** check box. You can only access shared folders on the Prinergy Evo server computer from an AppleTalk connection when running Mac OS 9.2.x.

   Note: You can only create Macintosh shared folders if on the Prinergy Evo server computer **File Services for Macintosh** is installed and activated.

   In addition, it is recommended that you connect to the Prinergy Evo shares using the same protocol consistently. If you don't have any Macintosh OS 9 clients in your network that will be connecting to the Prinergy Evo server, it is recommended you use SMB exclusively. If you need to share files on the server between Macintosh OS 9 and OS X, you should use AppleTalk.

6. If you are running a Macintosh OS X 10.3.9 or later client (Prinergy Evo 3.0 Client software and later only runs on OS X), select one of the following check boxes:
   - **Microsoft Windows users**
   - **Apple Macintosh users**

   You can access shared folders on the Prinergy Evo server computer from both an AppleTalk and SMB connection on a client computer running Mac OS X 10.3.9 or later.
7. If you are running only Windows clients, select the **Microsoft Windows Users** check box.
8. In the **Share name** box, type a name.
9. In the **Description** box, type a description for the share—for example, `New_PrinergyEvo_Volume`.
10. If you're running a Macintosh client, in the **Share name** box, type a name. For example, `PS_on_SCHEN_D_Drive`.
11. Click **Next**.
12. In the Permissions dialog box, select the required permissions level.
13. Click **Finish**.
14. Click the check box if you want to create another shared folder.

4

Saving/Restoring Prinergy Evo Configuration Settings

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Introduction

Saving and restoring Prinergy Evo system settings involves two options:

- Saving your Prinergy Evo system configuration folder in order to preserve system configuration settings.
- Backing up your operating system: saving a copy of a complete disk partition, file system, or portion of a file system directory structure for the purpose of disaster recovery—for example, in the event of a disk crash.

  Important: This section does not cover backing up your operating system, the RAID, or non-Prinergy Evo server computers. If you want to back up your operating system, the RAID, or non-Prinergy Evo server computers, you may be able to use Windows Backup or other third-party software for a separate backup operation. You are responsible for configuring and maintaining this software and associated backups. See *Developing a Backup Strategy* on page 66.

Why Is Saving Prinergy Evo Configurations Important?

It is important that Prinergy Evo system configurations are regularly backed up to disk. This is the best way to minimize data loss or damage caused by problems such as disk failure, power outages, and virus infections. We recommend that once you have configured your Prinergy Evo system, you save the system configuration to ensure maximum data recovery in the event of a problem. You should save your system configurations after doing any significant configuration.

In addition, you should run regular tests to ensure that your saved system configuration files will be available in the event of an emergency.

Your process history is not saved when you save your system configurations.

What Data Is Saved and Restored?

Saving system configuration settings and data is essential in order to recover and restore your Prinergy Evo system in the event of a disaster.

Which Configuration Settings Are Saved?

The following Prinergy Evo system configuration data is saved into compressed files, which you can use to recover and restore your system:

- Process templates
- Hot folder configurations
- Color database configurations
- Virtual printer configurations
- JTP configurations
- license key

Prinergy Evo Save and Restore

Prinergy Evo allows you to:

- Save your Prinergy Evo system configuration settings into a compressed file (Zip)
- Verify the integrity of the saved file
- Restore Prinergy Evo back to a known good configuration

  For more information on saving Prinergy Evo Server software system configurations, see the Prinergy Evo Administrator online help

About Prinergy Evo Save and Restore

The Prinergy Evo save and restore option provides a means of saving your Prinergy Evo system configuration to disk so that you can restore Prinergy Evo to a known good configuration if necessary.

Important: The Prinergy Evo save and restore option does not back up the operating system, the RAID, or non-Prinergy Evo server computers. Devise a separate backup plan for backing up your file and system configuration.

Saving Prinergy Evo Configuration Settings

In Prinergy Evo Administrator, you can save and restore Prinergy Evo system configuration settings.

It is important to ensure that Prinergy Evo configuration settings are successfully saved based on a schedule, and that the saved compressed files are handled and stored according to a plan.

1. Stop Prinergy Evo Server software. See *Restarting and Stopping Prinergy Evo Server Software* on page 34.
2. In the Prinergy Evo Administrator dialog box, **Save/Restore** tab, click **Save** to open the Save Prinergy Evo Configuration dialog box.
3. In the **Choose Destination for saved configuration file** box, type the name of the file that will contain the saved configuration.

4. In the **Enter an optional description for this file, if you wish** box, type any additional comments.
5. Click **Save Now** to save your configuration settings.

   See the Prinergy Evo Administrator online help for more information on saving your configuration settings.

   When finished, the **Save/Restore** tab updates to show the results of the save. The file containing the compressed configuration information becomes available to be copied elsewhere or backed up for safety reasons.

Restoring Prinergy Evo Configuration Settings

1. Stop Prinergy Evo Server software. See *Restarting and Stopping Prinergy Evo Server Software* on page 34.
2. In the Prinergy Evo Administrator dialog box, **Save/Restore** tab, click **Restore** to open the Restore Prinergy Evo Configuration dialog box.
3. In the **Restore configuration from** box, select the saved compressed configuration file you want to restore.
4. Click **Restore Now** to restore your configuration settings.

   See the Prinergy Evo Administrator online help for more information on restoring your configuration settings.

5. Click the **Save/Restore** tab to confirm that your Prinergy Evo configuration settings were saved.

Monitoring the Status

You can monitor save and restore status in Prinergy Evo Administrator.

The **Save/Restore** tab displays the status of the save and restore.

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Connecting to Remote Servers

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Introduction

As every computer and network environment is different, this chapter describes general procedures to enable network connections to remote computers. For information on connecting to remote computers in your specific network environment, contact your system administrator or your service representative.

Prinergy Evo Server software supports network connections to the following remote computers:

- Windows Server 2003
- Windows 2000 Server
- Windows NT 4.0 Server
- Mac OS X Server
- Windows 2000
- Windows XP
- Windows NT 4
- Macintosh
- UNIX
- AIX
- Linux

Connecting to a Brisque Server

If you want to connect a Prinergy Evo server computer to a Brisque AIX, UNIX, AIX, Solaris, or Linux file server computer, it is recommended you install Samba on your Unix server computer.

The following Kodak products are supported by the Kodak Samba distribution:

- Timna & Brisque Serve
- Brisque version 5.*x*, 4.1, 4.0 and 3.0. (If you're running Brisque 3.0 or 4.0, we recommend you upgrade to Brisque 4.1).

Brisque 5.*x* includes Samba pre-installed so no additional installation is required, though some configuration may be necessary. The installation DVD for Prinergy Evo 3.1 and later includes the installer for Kodak Samba.

To use Samba with UNIX servers other than Timna, Brisque Serve, and Brisque systems, please use an appropriate distribution of Samba for your OS. See http://www.samba.org

For more information about Samba and how you can share files between a non-Brisque UNIX file server and Prinergy Evo, see http://www.samba.org

If you don't want to use Samba for some reason (for example, you want to send files to the Prinergy Evo server from a UNIX system), you can use Windows Services for UNIX (SFU) to add NFS sharing to the Prinergy Evo server. In this case, use the SFU package supplied by Kodak (part number 651-00107A).

Note: Prinergy Evo does not support Hummingbird Maestro.

Connecting to a Windows XP, Windows 2000, or Windows NT4 Computer

The workflow is:

1. On the Windows XP, Windows 2000, or Windows NT4, create network shares on the folders to which you want Prinergy Evo to have read, write, and modify access. *Creating a New Windows Share* on page 51.
2. Mount or map the network share on the Prinergy Evo client computer.

   If you are mounting the network share on a computer running Mac OS X, you must connect to the file server using an SMB connection.

For information on mounting network shares on a computer running Mac OS X, see the *Prinergy Evo Installation Guide*.

Connecting to a Windows NT Computer Limitations

If you are using a Windows NT4 computer as a file server for Prinergy Evo job files, and you are running Prinergy Evo Client software on a computer running Mac OS X, and you're connected to the Windows NT 4 shared folder via a SMB connection, you cannot submit input files via the Prinergy Evo template palette. The Prinergy Evo server computer cannot see the files in the shared folder, and so will not process the submitted files.

Connecting to a Windows 2000 Server, Windows Server 2003, or Windows NT 4 Server Computer

You connect to Windows 2000 Server, Windows Server 2003, or Windows NT 4 Server computers via SMB or via a UNC path.

The workflow is:

1. On the Windows 2000 Server, Windows Server 2003, or Windows NT 4 Server computers, create network shares on the folders to which you want Prinergy Evo to have read, write, and modify access. See *Creating a New Windows Share* on page 51.
2. Mount or map the network share on the Prinergy Evo client computer.
3. If you are mounting the network share on a computer running Mac OS X, you must connect to the file server using an SMB connection.

For information on mounting network shares on a computer running Mac OS X, see the *Prinergy Evo Installation Guide*.

Connecting to a Mac OS X Server

You can connect Prinergy Evo to a Mac OS X Server from a Prinergy Evo server computer, and Mac OS X 10.3.9 or later client or Windows client computer using SMB.

Services for Macintosh (SFM) allows Macintosh computers to connect using AFP shares to Windows shares. But it doesn't allow Windows computers to see AFP shares on Macintosh computers. When creating folder shares on the Mac OS X Server computer make sure they as SMB shares, otherwise the Prinergy Evo Server will not be able to read, or write to them and any Windows clients will not be able to connect to them.

Creating an SMB Shared folder on a Mac OS X Server Computer

To use Mac OS X Server computer as a file server for Prinergy Evo, create a folder structure and store your files in the **Users/Shared** folder on the Macintosh hard drive.

To add Prinergy Evo server computer as a user account:

1. From the Apple chooser, choose **System Preferences**.

   The System Preferences dialog box appears.
2. Double-click Accounts.

   The Accounts dialog box appears.
3. In the **User** tab, click **New User**.

   The New User dialog box appears.
4. In the **Name** box, type the Prinergy Evo Server name.
5. In the **Short Name** box, type an alias.
6. Choose **Allow users to administer this computer**.
7. Set the remaining parameters as required.
8. Click **OK**.

To share folders:

1. From the Apple chooser, choose **System Preferences**.

   The System Preferences dialog box appears.
2. Double-click **Sharing**.

   The Sharing dialog box appears.
3. In the **Services** tab, **Select a Service to change it setting** area, choose:
   - **Personal File Sharing**
   - **Windows File Sharing**
   - **Remote Login**
   - **Remote Apple Events**

4. In the **Firewall** tab, make sure the following are enabled:
   - **Personal File Sharing**
   - **Windows File Sharing**
   - **Remote Login**
   - **Remote Apple Events**
5. Click **OK**.

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Recommended Practices

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Introduction

Although Kodak does not directly provide support for system administration tasks outside of direct Prinergy Evo system administration, such as backing up your computer, managing your user accounts, and so on, this section describes the following recommended system administration practices and tips:

- Keep your Prinergy Evo server computer secure and virus protected
- Back up your operating system
- Create user accounts and groups

Keeping Your Windows Server Secure and Virus Protected

As your system will be receiving files in many different formats, from many different sources, Kodak recommends that you regularly check for and install any Windows security updates.

Kodak also recommends that you install virus protection software and regularly check for and install virus detector updates.

To check for and install Windows security updates:

1. Open your Internet browser window.
2. From the **Tools** menu, select **Windows Update**.
3. From the Windows Critical Updates page, follow the instructions displayed.

Developing a Backup Strategy

You should develop a backup strategy in order to safeguard your operating system, the RAID, or non-Prinergy Evo server computers and to minimize downtime in the event of an error.

In developing your plan, consider the following:

- Which data will you back up?
- What backup schedule will you follow?
- How will you store the data?

What Is Backup?

Prinergy Evo does not back up your operating system, the RAID, or non-Prinergy Evo server computers. If you want to back up your Windows system, you may be able to use Windows Backup or other third-party software for a separate backup operation. You are responsible for configuring and maintaining this software and associated backups.

Backup involves saving a copy of a complete disk partition, file system, or portion of a file system directory structure for the purpose of disaster recovery—for example, in the event of a disk crash.

Why Is Backup Important?

It is essential that system data is regularly backed up. This is the best way to minimize data loss or damage caused by problems such as disk failure, power outages, and virus infections. We recommend that you back up your system every day to ensure maximum data recovery in the event of a problem.

In addition, you should run regular tests to ensure that your backup files will be available in the event of an emergency.

What Data Kodak Suggests You Back Up

Backups of your system are essential in order to recover and restore your system in the event of a disaster.

Stop Prinergy Evo Server software before backing up your system. See *Restarting and Stopping Prinergy Evo Server Software* on page 34.

The following list describes the data that you should back up so that you can recover and restore your system:

- Drive that holds Prinergy Evo system files
- Windows system state
- Data
- RAID

Planning a Backup Schedule

To plan a backup schedule:

- Determine a regular schedule for backup

  We recommend that you back up your system daily. This ensures that you have the most accurate and up-to-date data available in the event of an emergency.

- Decide what time of day you will perform your backup

What To Do If Backup Fails

Monitor your system on a regular basis to ensure that backup is successful. It is essential that you have the most up-to-date backup data available, should you be required to recover your system.

If backup fails:

1. If possible, find out why the backup failed.

   Backup may fail for a number of reasons. These include:

   - There is insufficient available disk space.
   - The network is experiencing problems.

2. If you can identify the cause of the failure, take the appropriate steps to prevent future failures, if possible.
3. If you can't identify the cause of the failure or if the failure persists, contact your system administrator.

Recommended Redundant Configuration for Prinergy Evo

Prinergy Evo is not explicitly designed to be used in a redundant configuration. Using the optional guidelines in this section, you could configure and add a redundant server to your system.

Use three servers:

1. Prinergy Evo server (active): This server has a dongle attached and the Prinergy Evo Server software installed.
2. Prinergy Evo server (reserve): This server does not have a dongle attached but is configured to match the active Prinergy Evo Server software.
3. Data server: All JobData and Prinergy Evo system configuration files are stored on this server. All configuration files are created using the **Save/Restore** tab in the Prinergy Evo Administrator. Use the **Save/Restore** tab after every significant change to the active Prinergy Evo Server software. In fields that require network paths in the Process Template Editor, use UNC paths instead of mapped drives.

   If the active Prinergy Evo Server software fails, then the dongle is moved from it to the reserve Prinergy Evo Server software. The latest configuration file is loaded from the Data server.

   We recommend that these guidelines are periodically executed to ensure that this process is well documented and understood by everyone involved.

Setting Up User Accounts and User Groups

Take the time to plan your user accounts and user groups. Careful planning will help make system administration easier.

This section contains useful information about how to plan your accounts and groups.

For information about Windows user accounts and user groups in general, see your Windows documentation.

About User Accounts

User accounts provide each user with a unique profile with which to log on to the system and access resources. Although not required for Prinergy Evo, setting up individual user accounts has a number of advantages:

- Enables you to integrate security with Windows
- Provides all users with a unique profile and personalized preferences—for example, window position and sizing in the Prinergy Evo Client software
- Lets you track operations by providing a history log of which user performed which function

Add user accounts to user groups in order to give users access to resources and rights. If your Prinergy Evo system is part of a domain, create user accounts on the domain controller. If your Prinergy Evo system is part of a workgroup, you will have to copy each user account to each server on the system.

For more information about Windows user accounts, see your Windows documentation.

About User Groups

A user group is a collection of user accounts. User groups let you assign permissions and rights to a group of users, as well as determine which resources the group can access.

Your security needs should determine how you organize your groups. We recommend that you set up at least two groups:

- *Users*—a group that can access Prinergy Evo to create and process files—that is, use Prinergy Evo Client software only
- *Administrators*—a group that can also perform Prinergy Evo system administration tasks, such as adding and removing licensed options—that is, use Prinergy Evo Administrator and any administrative tools in Windows.

For more information about Windows user groups, see the Windows documentation.

Tips for Managing Passwords

Passwords are relevant in that a number of entities log on to the system via password-controlled accounts:

- **Prinergy Evo Service** logs on to the system to start essential software components when Prinergy Evo Server software starts.
- Administrators log on to the system to configure the system.

Encourage the use of "strong" passwords for all accounts used with Prinergy Evo. This will help safeguard your system and accurately track activity. "Strong" passwords are passwords that are not easily guessed or broken.

Tip: You can configure Windows to enforce the use of strong passwords. For more information, see the Windows documentation.

Note: Windows passwords can be up to 14 characters long and are case-sensitive. For the Macintosh, passwords should not be more than eight characters long.

Some guidelines for creating "strong" passwords:

- Passwords should contain a combination of different types of characters. Passwords should contain characters from all four of these classes:

Character	Examples
Uppercase letters	A, B, C...Z
Lowercase letters	a, b, c...z
Numerals	0,1,2...9
Non-alphanumeric special characters, such as punctuation and symbols	{, }, #, $, %

- Passwords should be eight or more characters long.

  Important: Passwords for Prinergy Evo Client users should not exceed eight characters, as users access Prinergy Evo Client software from a Macintosh computer. Macintosh computers can accept passwords of up to eight characters only.

- Passwords should not be obviously associated with the account owner. A password should not contain any part of the user's email name, user account name, given names, or any other names by which the user may be known.
- Passwords should not be "common" words. Avoid words from the dictionary or slang in common usage.
- Passwords should be complex, but relatively easy to remember. A password that can't be broken is useless if the user has forgotten it.
- Passwords should be kept private.
- If a password is shared or discovered, it should be changed immediately.

Passwords should be changed regularly, for example, every 90 days.

Recommended Prinergy Evo Client/Server System Folders Settings

Although not required, we recommend that you follow these file storage and folder practices in order to enable maximum system performance and consistency.

You can set up your system folders before or after you have installed Prinergy Evo.

Once organized, you can use relative paths and placeholders to define the OPI and Font search paths, and to define output paths to hot folders and to static folders.

Creating Hot Folders

When creating hot folders, Kodak recommends that you create your hot folders under the shared Prinergy Evo **HotFolders** folder, created when you installed the Prinergy Evo Client software.

Folders And File Storage

When saving or storing your working and input files, Kodak recommends you store all your working and input files on the Prinergy Evo server computer, under the **JobData** shared folder created when you installed the Prinergy Evo Client software.

Tip: If you are using OPI high-resolution image replacement, and you received a QuarkXPress® file and images folder from your client, you will need to relink all your image paths in QuarkXPress.

OPI does not automatically search subfolders by default, although this feature can be enabled. Searching subfolders causes OPI searches to take longer than pointing to the exact image folder. Relative paths can be used with OPI search paths too. To use relative paths, set up a standard location for OPI folders with job folders that can help keep files organized while reducing the need to create explicit OPI paths for each job.

If you have images with the same name in different folders, create an image path that points to the image folder with the correct image for the process, and make sure it is at the top of the image path list in the Refine to PDF process template.

Suggested Job Folder Organization Using Relative Paths

In the **JobData** folder, create folders and name them based on customer names or tracking numbers.

For example, if you have a customer job with a docket number: 22-527 for Acme Supplies, make a folder in the main directory of **JobData** called **22-527_AcmeSupplies**. In this folder, create the sub folders:

Application_Files to store native documents and support files from your desktop applications, such as QuarkXPress software and Adobe InDesign® software and so on

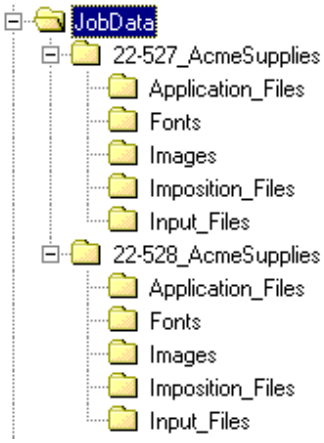
Input_Files to store PostScript printed to file, or PDF files you want to submit to Prinergy Evo's refine process

Imposition_Files to store PJTF and JDF imposition or layout files if you create imposition files from qualified software (for example, Preps software)

Images to store high-resolution images for OPI replacement for the particular process if you work with thin PostScript and OPI

Fonts to store fonts used in the input files, but not embedded in them if you work with files that don't have all fonts embedded

Your **JobData** directory structure should look like this:



Tip: To save time creating your **JobData** folder structure, once you have created an initial job or docket folder with the relevant subfolders, make a copy of the job or docket folder and rename it to the required new job or docket name.

Once your directory structure is set up, you can configure your process templates with relative paths, which will enable you to reuse your process templates without having to change the output paths for each process you want to submit.

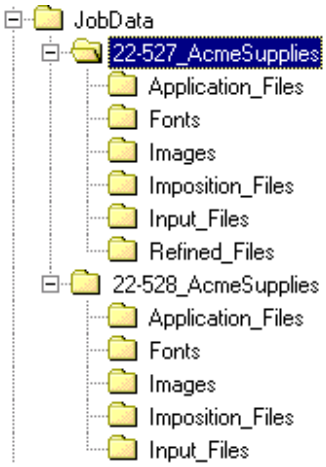
Important: You can only use relative file paths if you submit your files via the **Template Palette** or **File** menu submission channels. Relative paths in process templates and workflow templates attached to hot folders and virtual printers may cause unexpected results because of file locations used during processing. In the case of the hot folder and virtual printers, the input file is inside one of the work folders. Therefore, Prinergy Evo software will place the output files somewhere relative to the work folder and not inside the **JobData** folder subfolders. We recommend that when you submit input files to Prinergy Evo software via hot folder or virtual printer submission channels, type a direct output path in the **Device Path** box in the **File Delivery** section in the process template dialog box.

Process Template	**Normalize sections** **(Relative Search Path)**	**File Delivery** **(Relative Output Path)**
Refine to PDF	OPI search path: **../Images** Font search path: **../Font**	**../Refined_Files**

Using the double dots (..) instructs Prinergy Evo software to go one directory level higher from the folder that the input file came from and then to look in a particular directory.

If a directory specified in the **File Delivery** sections, **Device Path** box, in either a refine to PDF or output process template, does not exist, Prinergy Evo software automatically creates the directory.

Submit your input files from the relevant **Input_Files** folder. When files are refined, your **JobData** directory structure should look as follows:

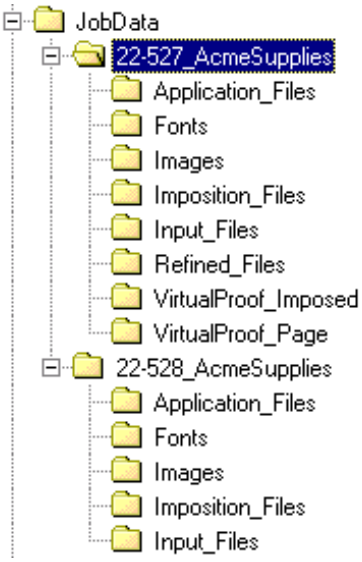


The **Refined_Files** folder stores the refined PDF files made from the input files.

You can also configure your output process templates with relative output paths. For example, to organize your virtual proof output.

Process Template	**File Delivery** **(Relative Output Paths)**
Output from PDF	**..\VirtualProof_Page**
Output from imposition	**..\VirtualProof_Imposed**

When virtual proofs are generated for PDF and Imposed output, your **JobData** directory structure will look something like this:



Using relative output paths helps keep Prinergy Evo's job folders organized, and makes it easy for you to work within the **JobData** folders because they are self-contained and portable. This also means that after the process is imaged, you can

archive the entire folder (to DVD, tape, CD, and so on). Archiving the entire folders enables you to easily reproduce or reuse the process later as all the required files are archived together in one folder.

For more information about using relative output paths, see the Prinergy Evo Client online help.

Input File Best Practices

Kodak recommends that you embed all fonts during output from your desktop application (for example, QuarkXPress software).

If the fonts are not embedded in the source file, we recommend that you convert the fonts to PostScript Font ASCII (PFA) format, using any font converter that provides good PFA format, and place all the fonts into one global font directory on the Prinergy Evo server computer. In your Refine to PDF process templates, make sure all your Font search paths point to the one global location.

For more information about setting OPI and font search paths in Refine to PDF process templates, and about third-party desktop publishing application best practices, see the Prinergy Evo Client online help.

If you are not licensed to use Prinergy Evo Refine to PDF, make sure that any PDF files you receive were created with the fonts embedded, or were created as PDF/X-1a:2001 or PDF/X-3 files.

Monitoring Your Prinergy Evo System

Prinergy Evo Administrator provides system and problem alerts which are meant to help you monitor your Prinergy Evo system and to troubleshoot any problems that might occur.

Prinergy Evo Administrator alerts you via a popup balloon that appears in the Prinergy Evo system tray icon. For more information on the alert, open the Prinergy Evo Administrator dialog box, **Alerts** tab. If you select the alert message and click **Details**, an Alert message details dialog box appears, listing an explanation of the alert and any possible solution.

For more information about Alerts, see the Prinergy Evo Administrator online help.

Enabling Remote Connections Through a Firewall

Before you begin connecting Prinergy Evo Server software to a remote file server or to Prinergy Evo Client software, you need to determine if the remote network connection is through a firewall.

If the network connection is through a firewall, you need to make sure the following ports on your network switches router are left open:

Prinergy Evo Server Daemons and Programs That Use the Port	The Prinergy Evo Server Computer Ports Number/Type	How Does Prinergy Evo Use The Port?
JUserInterfaceD.exe	29001 TCP	Data transmission between UI clients and UI server
	50006 UDP	Locator multicasts
	50007 TCP	Locator unicasts
JDiagnosticD.exe	51001 TCP	DIAG message logging to DIAG server
JDiagServer.exe	50098 TCP	DIAG messages to DIAG viewers
JFloatLicMgrD.exe	56766 TCP	Listening port for connections from clients
JFloatingLicMgrD.exe	50010 UDP	Location multicasts
JNamingD.exe	50005 TCP	Listening port for connections from clients
Any	3611 UDP	Daemon status change notifications
Evo Administrator	50006 UDP	Administration notifications from anyone to Prinergy Evo Administrator

A

Troubleshooting

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Reporting Problems to Kodak

The Prinergy Evo Administrator dialog box, via the **Tools** tab, **Report Errors**, Prinergy Evo Error Reporter dialog box, enables you to capture the Prinergy Evo system history and error log files into a single compressed file. Alternatively, you can also capture system and history error logs from the Prinergy Evo Client, **System** menu. You can send this file to your service representative for troubleshooting purposes.

See the Prinergy Evo Administrator online help for more information.

Saving and Restoring Your Prinergy Evo System Configurations

The Prinergy Evo Administrator enables you to save and restore your Prinergy Evo configuration settings so if something happens to your system you can restore your previously known good settings.

See the Prinergy Evo Administrator online help for more information.

Unable to Open Client Online Help

To use the Adobe Flash-based Prinergy Evo Client online help you must install Flash Player.

You can install the Flash Player software after you have installed Prinergy Evo Client software, and started the online help. The Prinergy Evo Client online help may prompt you with an error message that the help system should be run with Flash Player and provides you with a link to download and install the Flash Player software.

Alternatively, you can install the free download directly from the http://www.adobe.com/products/flashplayer/ web site.

Unable to Download Updates via the Updates Tab

You can automatically update the Prinergy Evo software via the Prinergy Evo Administrator dialog box, **Updates** tab.

In order to automatically update your software you need to:

- Have a registered user name and account to Kodak eCentral®, the Internet portal.
- Ensure ***.creo.com** or ***.kodak.com** and **updates.installshield.com** are listed as trusted sites in your internet browser.

For more information on automatically updating Prinergy Evo software, see the Prinergy Evo Administrator online help.

If you are unable to access the Windows Update wizard, check your internet browser and security settings. Your Internet browser security settings need to allow creo.com or kodak.com cookies.

1. Open your Internet Explorer browser window.
2. From **Tools** menu, select **Internet Options**.
3. In the Internet Options dialog box, **Security** tab, select the **Trusted Sites** icon.
4. Click **Default Level**, if available.
5. Click **Sites**.
6. In the Trusted Sites dialog box, in the **Add this Web Site to the zone** box, type ***.creo.com** and ***.kodak.com** and **updates.installshield.com**.
7. Clear the **Require server verification (https:) for all sites in this zone** check box.
8. Click **Add**.
9. Click **OK**.
10. In the **Privacy** tab, click **Default**, if available.
11. Click **OK**.

Recovering Your Prinergy Evo System

If you are having system problems, the following describes the escalation steps recommended to recover your Prinergy Evo system and to start processing files again. Each step described is an incremental step on top of the previous step.

For example, if you find that your system problem is not solved in step 1, complete step 2. If you find your system problem is solved in step 2, then do not complete the remaining steps, and so on.

1. Restart Prinergy Evo Server software.
2. If you are still having system problems, shut down Prinergy Evo Server software and restart your Prinergy Evo server computer.
   a. Stop Prinergy Evo Server software.
   b. Once Prinergy Evo Server software has stopped, from the **Start** menu, select **Shutdown**.
   c. In the Shutdown dialog box, **What do you want your computer to do** box, select **Restart**.

      Note: Prinergy Evo server computer automatically restarts.
3. Save your Prinergy Evo system configuration settings. See *Saving and Restoring Your Prinergy Evo System Configurations* on page 78.

4. If you are still having system problems, one or more of your data files has been corrupted. The Prinergy Evo Administrator dialog box, **Tools** tab, **Reset Evo** button provides several ways to reset your Prinergy Evo system to a known, stable state.
    a. In the **How severe should this reset of Prinergy Evo be?** list, select **Discard all incomplete processes**.
    b. Click **Reset Now**.
5. If discarding all incomplete processes does not fix Prinergy Evo:
    a. Select **Discard all Processes (active, queued, and historical) and Workflows**.
    b. Click **Reset Now**.
6. Save your Prinergy Evo system configuration settings to a network location. See *Saving and Restoring Your Prinergy Evo System Configurations* on page 78.
7. If discarding all processes, active, queued, and historical, does not fix Prinergy Evo, restore your Prinergy Evo system back to factory configurations and restore your saved system configurations.
    a. In the **How severe should this reset of Prinergy Evo be?** list, select **Restore Factory configuration**.
    b. Click **Reset Now**.
    c. Once the factory settings are restored, the system is started. If you would like to restore a previously saved configuration, from the **System** tab, click **Stop** to stop Prinergy Evo.
    d. From the **Save/Restore** tab, click **Restore** to restore your previously saved system configurations. You must have previously saved your system configurations via the **Save/Restore** tab in Prinergy Evo Administrator dialog box.
8. If after resetting your Prinergy Evo system back to factory settings, and restoring your saved configurations, the problem persists, one or more of your system files has been corrupted. You must re-install your Prinergy Evo system. See *Reinstalling Prinergy Evo* on page 80 for more information.
9. If your Prinergy Evo system problem persists, contact your service representative.

Reinstalling Prinergy Evo

Reinstall the Prinergy Evo software if one or more of your system files have been corrupted.

1. Make sure that any saved configuration files are saved outside of the main Prinergy Evo server computer folder.
2. Remove Prinergy Evo Server and Client software. For more information, see the *Prinergy Evo Installation Guide* for more information.
3. Using the eCentral portal or the Prinergy Evo installation DVD, install the Prinergy Evo Server software and then Prinergy Evo Client software. See the *Prinergy Evo Installation Guide* for more information.

4. Start Prinergy Evo.
5. Restore your previously saved system configurations.
6. If you are still experiencing problems with your Prinergy Evo system, contact your service representative.

Other Troubleshooting Resources

For additional troubleshooting resources, access the eCentral portal (https://ecentral.creo.com/), where you can search for solutions to problems based on the product software and search keywords.

Glossary

administrator privileges	A level of Windows privileges that enables a user to set up and manage user and group accounts, assign passwords and permissions, and use Windows administrative tools. Administrator privileges can be associated with the Administrator user or a member of the Administrators group.
Adobe Acrobat	Desktop software that lets you create and edit documents in Adobe's Portable Document Format (PDF).
back up disk (verb)	To save a copy of a complete disk partition, file system, or portion of a file system directory structure for the purpose of disaster recovery—for example, in the event of a disk crash.
backup disk (noun)	A copy of a complete disk partition, file system, or portion of a file system directory structure saved for the purpose of disaster recovery—for example, in the event of a disk crash.
backup configuration	To copy the Prinergy Evo system configuration settings to a compressed file for the purpose of disaster recovery—for example, in the event of a disk crash.
calibration curve	A curve that graphically represents the percentage at which to adjust an original tint during screening to produce the target output. Harmony software, which is included with Prinergy Evo, derives calibration curves based on the target and initial curves that you build. You can edit calibration curves in Harmony.
client computer	A computer that is running Prinergy Evo Client software. It is not running any Prinergy Evo Server components. A Client computer can be Macintosh computer.
client software	Software which acts as an intermediary between the user and the server software by passing user requests for activity to the server and informing the user of the results. In Prinergy Evo, the main client software is Prinergy Evo Client software. See also *server software*.

client/server architecture A software environment in which client software (such as Prinergy Evo Client software) makes a request of server software (such as Prinergy Evo Server software). The server software initiates the requested service, and then sends the relevant information to the client software.

color match (verb) To keep color consistency when converting one color space to another—for example, from RGB to CMYK. Prinergy Evo uses ICC profiles to map to L*a*b, a device-independent color space. An ICC target is used to map to a device space when a file is ready for output. This maintains color consistency between the color model and output devices.

companion software Stand-alone software that can be used in conjunction with Prinergy Evo—for example, Preps, Print Console. See also *optional software* and *standard software*.

CORBA Common Object Request Broker Architecture. CORBA is operating system and hardware independent and allows applications to communicate with one another, regardless of where they are located or who designed them. Prinergy Evo uses CORBA for some internal communications.

CT/LW A file format where contone images (CT) are separated from the line work (LW). A third file (called the layout file) is used to position the contone images within the line work.

daemon A software process on a server computer that runs behind the scenes to perform specific tasks. It has no user interface and you do not interact directly with a daemon. Instead, you make requests through Prinergy Evo Client software.

digital master A PDF file created by Prinergy Evo is a digital master because it is a complete, reliable entity. Proofs, films, or plates are made from the same PDF file by selecting the appropriate output process template.

disaster recovery The process of restoring the Windows operating system and application software (Prinergy Evo) after a system component failure such as a disk failure.

disk partition A portion of a physical disk that functions as though it were a physically separate unit.

domain A collection of computers and users that share a common user and group database and security policy, which are stored on a domain controller. Compare to *workgroup*.

domain controller In a Windows domain, a computer running Windows 2000 that authenticates domain logons and maintains a directory database for a domain. The domain controller tracks changes made to accounts of all computers on a domain.

Encapsulated PostScript (EPS) EPS is a subset of the PostScript language. It describes images in a format that can be imported into other documents.

EPS file Encapsulated PostScript file. EPS files are used to describe a graphic image using PostScript language.

file optimization The process of checking and optimizing resources in PDF files. It optimizes the PDF to create a predictable digital master. Processing is done by the Optimizer JTP.

file server A computer that is connected to the Prinergy Evo system via the network, but is not running any Prinergy Evo software components. It is used to store input files for Prinergy Evo jobs and can be a computer running UNIX, Windows operating systems.

See also *Prinergy Evo Server*.

firewall A system designed to prevent unauthorized access to or from a private network. Firewalls can be implemented in both hardware and software or a combination of both.

Harmony Calibration software that creates dot gain calibration curves by matching the characteristics of the press sheet to a proof or printed sample. It is standard Prinergy Evo software.

hot folder A folder that is monitored for incoming files as a trigger for an automatic operation. The application that processes the files checks the folder location on a regular basis, and automatically processes any files found there.

imposition A means of arranging a number of pages on the front and back of a press sheet to ensure correct order after the printed sheet is folded.

input file A file that contains page content—for example, a file that is created by printing a customer's source file, such as a QuarkXPress file, to a PostScript file.

input folder	A folder (or directory) on a Prinergy Evo server computer that stores all the input files from your customer. Input folders are stored in a central directory and may include any number of subfolders to help organize input file information. For example, the **JobData** folder is an input folder.
JDF	Job Definition Format. Used as a qualified input format to output imposed proofs, films, and plates.
job ticket	A collection of information related to one or more processing steps that must be carried out in Prinergy Evo. It includes a map or route that specifies which JTPs to go to and in what order. It can also include information about which files to process, processing options, destinations, and imposition plans.
job ticket processor (JTP)	Software that performs a specific task to help process an job ticket.
JTP pool	One or more similar JTPs that have been grouped together to further automate the Prinergy Evo workflow. A JTP pool lets you direct Prinergy Evo to automatically distribute tasks to individual JTPs, so you don't have to manually coordinate which JTP to use. This helps you automatically process multiple jobs at the same time.
loose page proof	See *Output from PDF.*
Macintosh-accessible volume	Storage space on a server used for folders and files of Macintosh users. A Macintosh-accessible volume is equivalent to a shared directory for Windows users.
media	Materials, such as paper or film, that are used to produce hard copy, or objects such as tapes that are used to back up or archive information.
middleware	Software that is used as a subcomponent to tie other software together.

mount

In Macintosh operating systems, the term used to enable access over the network to volumes on other servers. For example, mount the **PgyEvoInstll** volume. In Windows operating systems, you mount a share.

If you are mounting file server volumes on a Mac OS 9.2.x client computer, **File Server for Macintosh** must be installed on your Prinergy Evo server computer and any other file servers running Windows operating systems. Otherwise, you will receive a `File unavailable to Server` error message when you try to access the mounted volume on your Prinergy Evo client computer.

multicast

Communication between a single sender and multiple receivers on a network.

normalize

A step in the refining process that creates PDF pages from input files. The resulting PDF files contain refined pages. Options in the normalize process are OPI, image optimization, and font handling.

optional software

Software that is optional and may be included with your Prinergy Evo system—for example, Trapper software. See also *standard software* and *companion software*.

Orbacus

An implementation of CORBA. It is part of Prinergy Evo's internal communications structure.

output from PDF (noun)

A type of process template that enables you to define how you want to send PDF flats to your device.

output from PDF (verb)

The output of a refined page or pages to a proofer (for example, a laser printer or color copier), or to the Prinergy VPS software.

PDF

Portable Document Format. PDF is a reliable file format for storing line art, images, and text (including all required fonts) for pages. PDF files do not contain device-specific settings such as imaging resolution or duplex options.

peer-to-peer network

See *workgroup*.

Portable Document Format

See *PDF*.

Portable Job Ticket Format (PJTF)

Adobe's Portable Job Ticket Format (PJTF) contains descriptions of device-specific settings and describes the desired output style for one or more pages from PDF files. See also *job ticket*.

PostScript A page description language developed by Adobe Systems. It is used to describe type and visual elements so that they can be output on devices with PostScript interpreters.

PostScript file A file written in the PostScript page description language and created by a native application.

PPD file A file that contains information about an output device, such as plate size, resolution, line screen, and screen angle. A PPD file is generated by output device control software, such as Print Console. It is used by imposition software, such as Preps, when generating imposition plans. See also *PPX file*.

PPX file A supplement to a PPD file.

Preps Imposition software created by Kodak.

Prinergy Evo Administrator (**PrinergyEvoAdmin.exe**) Software that serves as the Prinergy Evo system administration user interface. Use it to start and stop the Prinergy Evo Server software, and monitor the system. It is installed as part of Prinergy Evo Server software and runs on the Prinergy Evo server computer. Available for Windows 2000 only.

Prinergy Evo client computer A computer that is running Prinergy Evo Client software; it is not running any Prinergy Evo Server software components. A Prinergy Evo client computer can be a Macintosh or Windows-based computer.

Prinergy Evo Client software The client software that provides the main user interface to the Prinergy Evo system. From Prinergy Evo, you can manage the workflow for each input file. Within Prinergy Evo, you can access the Queue Manager, Process Template Editor, Font Converters, Acrobat, and Color Database Editor.

Prinergy Evo Service (local) Prinergy Evo daemons that do not require network privileges run under the Prinergy Evo Service (**PrinergyEvoService.exe**) using the built-in local system account.

Prinergy Evo Service (network) A Windows service (**PrinergyEvoService.exe**) used by Prinergy Evo to start processes such as daemons and JTPs that require network privileges.

Prinergy Evo Save/Restore Provides a means of creating compressed backups of your Prinergy Evo system onto disk. Your system must be stopped before it can be backed up.

The Save/Restore option does not back up your Windows operating system.

Prinergy Evo server computer The server computer in a Prinergy Evo system. It contains all Prinergy Evo Server software components. There is only one Prinergy Evo server computer in a Prinergy Evo system.

Prinergy Evo Server software The server side of the Prinergy Evo system. The Prinergy Evo Server software coordinates requests from Prinergy Evo Client software and the device. It is made up of a number of components, including Prinergy Evo Administrator.

Prinergy Evo Service A Windows service started automatically by the operating system when Windows starts. It is responsible for starting daemons and other processes, when Prinergy Evo is started. It monitors and restarts processes it started that fail.

Prinergy Evo system A system of networked computers that includes at least one server computer running Windows 2000 Server, or Windows Server 2003 and Prinergy Evo Server software. The Prinergy Evo system also contains at least one computer running Windows or Macintosh operating system and Prinergy Evo Client software. A Prinergy Evo system may also include any number of additional client computer (five clients per license).

Prinergy Evo Update Wizard A wizard installed on the Prinergy Evo server computer as part of the Prinergy Evo Administrator. The Prinergy Evo Update Wizard can download software updates from the Internet, install software updates, check which updates are already installed, and uninstall software updates.

process template A file containing a collection of options and parameters that tell Prinergy Evo how to perform a task. Because settings are predefined, using process plans provides consistent results. Process plans are created using the Process Template Editor.

Process Template Editor The tool used to create, modify, and manage process plans. The Process Template Editor can be accessed from the **Configure** menu in the Process Viewer window in the Prinergy Evo Client software.

RAID Redundant Array of Independent (or Inexpensive) Disks. A category of disk drives that employ two or more drives in combination for fault tolerance and performance.

renderer The software component that rasterizes and screens PDF input files.

restore To reset the Prinergy Evo configuration to a previously saved configuration via the **Save/Restore** tab in the Prinergy Evo Administrator.

RIP Raster image processor. Software that converts PostScript data into raster (bitmap) data.

The PDF workflow, as it is applied in Prinergy Evo, utilizes a two-phase RIP process: interpretation and rendering. Interpretation happens as part of the refine process when the input file is normalized to PDF. Rendering, which converts the PDF file to raster data, happens as part of the output process.

server (hardware) See *server computer.*

server (software) In a client/server architecture, such as Prinergy Evo, server software (such as Prinergy Evo Server) carries out requests made by client software (such as Prinergy Evo Client), and sends relevant information back to the client software.

server computer A computer that provides some service for other computers connected to it via a network. In Prinergy Evo, there are two types of servers: the Prinergy Evo Server and file server. See also *Prinergy Evo server computer,* and *file server.*

software process (Prinergy Evo) A Prinergy Evo Server software component that performs a specific task. Software processes include daemons, JTPs, and Prinergy Evo services.

standard share In Windows, a share is any resource on a server that is available to network users. A standard share is a share created automatically by Prinergy Evo when it is installed—for example, the **HotFolder** share.

standard software Software components that are standard with Prinergy Evo and are automatically shipped with each Prinergy Evo system. This includes Prinergy Evo Server and Prinergy Evo Client software. See also *companion software* and *optional software.*

strong password A password that is not easily guessed or broken. Strong passwords generally combine uppercase and lowercase characters, are at least eight characters long, and include numerals and special characters.

system See *Prinergy Evo system*.

trap (verb) To overlap adjacent printed colors slightly to ensure that white space does not appear between the colors. Trapping parameters can be specified in the original application or in the refine process plan.

user account In Windows, an account that provides a user with a unique profile with which to log on to the system and access resources.

user group In Windows, a collection of user accounts. User groups let you assign permissions and rights to a group of users, and determine which resources the group can access.

volume A partition or collection of partitions that are formatted for use by a file system. See also *Macintosh-accessible volume*.

workgroup A collection of computers that are grouped for sharing resources such as data and devices. In terms of networking, there is no dedicated server or hierarchy among computers. May also be called a peer-to-peer network. Compare to *domain*.

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