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Product Support Prinergy
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Prinergy 4.0 migration help sheet for DSC and Sales

Feature History (for customers on lower versions)

Prinergy 2.3

- Multiple Color Libraries
- Export Job Without Imposition
- PDF Preflight
- Re-Combiner
- Smart Hot Folders
- Imposed Vector Output
- Staccato Extended Color Screens
- New Creo Screen systems
- Custom Output File Names
- CT/LW Output
- Printlink JDF
- Virtual Proofing System 2.0 for PC
- Veris Proofer Server Support
- Multiple Loose Proofs
- PDF 1.5 and Flattener v6
- Adobe 3016 RIP
- Output Raster PDF
- Overprint Handling for Contone Images
- PDF Merge and DPF Compare
- Safe Protect Box
- Trap Trimming

Prinergy 3.0

- Apple Filing Protocol for Mounting Shares
- Apply Distortion from Pandora
- Automated Imposition
- JDF For Digital Print
- Improved User Interface
- Open Files with Local Software
- Preps and Workshop Integration
- Processing control Based on Customer Approval
- Rules Based Automation
- Selection Based Archiving
- Signature Booklet
- User Toolbar
- Job Toolbar

Prinergy 3.1

- Normalizer 7, Flattener 7
- Adobe 3017 RIP
- Enhanced JDF Connectivity to NexPress
- Photoshop TIFF Input
- OPI Enhancements
- Web Growth Wild Card

Prinergy 4.0

- Adobe PDF Print Engine
- Support for Transparent Objects Throughout the Workflow
- Support for Layered PDF 1.5 Input
- Displaying Status of Jobs Using Dashboard
- Adding Job Notes to Jobs
- Tracking Custom Job / Element Information
- Copying Jobs and Pre-Jobs
- PDF Image Replacement (PDF OPI)
- Automatic Mapping of Imposition Mark Spots to Page Spots
- New TIFF Input File Formats
- Normalizer and PDF Font Embedding
- New Configuration Options for Processing Control Based on Customer Approval
- Prinergy Geometry Editor Plug-in
- Re-Combine feature now included in base
- JPEG Compression for PDF Raster
- New Variable Marks
- Various Improvements and Additions to Rules Based Automation

Prinergy Upgrade

Version	Part Number	Note
Prinergy 3.0 Major Upgrade	634-00297A	From any version of Prinergy 2.x
Prinergy 3.1 Minor Upgrade	na	Free for all Prinergy 3.0 users
Prinergy 4.0 Major Upgrade	634-00531A	From any version of Prinergy 3.x

- If a customer is not on Full Support, he will need to purchase **every** major upgrade to get to Prinergy 4.0. So if a customer is on Prinergy 2.3, he will need to purchase the Prinergy 3.0 upgrade first. **It is advised no to do both installs at the same time, so the customer might be advised to split the upgrade in multiple times with a few weeks in-between.**
- The Prinergy Upgrade does not include the Windows 2003 license
- The Prinergy 4 migration is NOT customer installable. The following item needs to be ordered for the onsite visit of the Kodak engineer who will perform the upgrade:

Part Number	Description
SD-0049-11	Prinergy Connect Upgrade Service, 1 Day

If the customer upgrades from a lower version, add this part number per major version we need to upgrade. As a sample, a customer coming from Prinergy 3.0.3.0, would need to buy this service twice: once for the 3.0 to 3.1 upgrade, and once for the 3.1 to 4.0 upgrade.
As multiple servers can be upgraded at the same time, the service is the same for any number of servers, but limited to a system with one Primary. If there are multiple primaries at the same site, you need to select this service part number for each Primary. This part number does not include the service to upgrade all clients, as this can easily be done by the customer after the Kodak person has left the site.

Prinergy 4.0 Legacy Qualified Hardware RAM Matrix

Memory Requirements for Prinergy 4.0

- Primary Server: 4 GB mandatory
- Secondary Server: 4 GB mandatory
- Renderstation: 2 GB mandatory (3 GB is recommended for improved performance for 8Up/VLF size devices)

In EMEAR we agreed that if the customer needs to add more RAM, we will replace existing RAM memory of the server with new amount of correct RAM memory required for Prinergy 4.0

Please add **SD-0004-01 (half day onsite service)** to do the install. If we are already onsite for any other purpose, this charge can be dropped.

A customer can check the memory installed on his server by looking on the Hardware tab under the system properties (right click on “My Computer”).

Model	Type	Base RAM	RAM Goal	To Order
GX270	Workstation	1 GB (2 x 512)	2 Gb (4 x 512)	120-00048
GX280	Workstation	1 GB (2 x 512)	2 Gb (4 x 512)	518-01160A
GX620	Workstation	1 Gb (2 x 512)	2 Gb (4 x 512) 3 Gb (2 x 512 + 2 x 1Gb)	518-01417A 518-01418A
PE700	Performance	1 Gb (2 x 512)	2 Gb (4 x 512) 3 Gb (2 x 512 + 2 x 1Gb)	120-00058 120-00153
PE800	Performance	1 Gb (2 x 512)	2 Gb (4 x 512) 3 Gb (2 x 512 + 2 x 1Gb)	120-00080 518-01483A
PE830	Performance	2 Gb (2 x 512)	3 Gb (6 x 512) 4Gb (4 x 512 + 2 x 1Gb)	518-01481A 518-01483A
PE2600/2650	Premium	1 Gb (4 x 256) 2 Gb (4 x 512)	2 Gb (4 x 256 + 2 x 512) 3 Gb (6 x 512)	518-01725A 518-01725A

Model	Type	Base RAM	RAM Goal	To Order
PE2800/2850	Premium	2 GB (4 x 512) 2 Gb (4 x 512) 2 Gb (2 x 1024) 4 Gb (4 x 1024) 4 Gb (4 x 1024)	3 Gb (6 x 512) 4 Gb (4 x 512 + 2 x 1Gb) 6 Gb (6 x 1Gb) 6 Gb (6 x 1Gb) 4 Gb (4 x 1024)	120-00070 120-00091 2 x 120-00091 120-00091 120-00128
PE2900	Premium	2 Gb (2 x 1024)	4 Gb (4 x 1024Gb)	120-00128

Prinergy 4.0 Hard Disk Upgrade Matrix

A 16 Gb System Partition (or 36 Gb system drive) is the minimum requirement for Prinergy 4.0.

Add **SD-0004-01 (Service - Half Day Onsite Kodak Workflow Server/RAID/Tape Library Re-Purposing and Installation Service)** to do the install. This service will include the replacement to up to 3 (non-raid) disks. If more than 3 disks are being replaced, please add **SD-0004-02 (Service - Full Day Onsite Kodak Workflow Server Re-Purposing and Installation Service)** for up to 6 disks. And if even more disks are replaced, use a combination of the above for a total of service required.

Use the following matrix to select the correct disks. A customer might enlarge the storage by replacing or adding (and enlarging the partitions) disks. For other servers, check Price Book.

Model	Type	Base	Replacement / Extra	To Order	Max # Disks
PE700	Performance	1 x 80 Gb	1 x 80 Gb 1 x 160 Gb	518-00788A 518-01471A	4
PE800	Performance	1 x 80 Gb	1 x 80 Gb 1 x 160 Gb	518-00788A 518-01471A	4
PE830	Performance	2 x 80 Gb	1 x 80 Gb 1 x 160 Gb	518-00788A 518-0087A	4
PE2600/2650	Premium	2 x 36 Gb	1 x 146 Gb 1 x 300 Gb	607-00022A 607-00131A	6 on PE2600 5 on PE2650

PE2800/2850	Premium	2 x 73 Gb	1 x 146 Gb 1 x 300 Gb	607-00022A 607-00131A	8 on PE2800 6 on PE2850

A customer can check the disks installed on his server by looking at the Disk Management. Right Click on "Computer" and choose "Manage".

Upgrade to Raids

For upgrades to Raids and Tape Libraries, please check the Price Book for Part Numbers.

To expand a RAID with multiple disks on a single volume, please add **SD-0004-02 (Service - Full Day Onsite Kodak Workflow Server Re-Purposing and Installation Service)** for regular sized RAIDS. For larger RAIDS (> 300 with a gigabit network), add a second day.

To increase the volume of a RAID with an extra volume, please add **SD-0004-02 (Service - Full Day Onsite Kodak Workflow Server Re-Purposing and Installation Service).**

To move an internal RAID from one platform to another (example to implement EPM+), please add **SD-0004-02 (Service - Full Day Onsite Kodak Workflow Server Re-Purposing and Installation Service).** If the data valume is large (> 300 Gb with a gigabit network), please add another day;

To move an external RAID, please add **SD-0004-02 (Service - Full Day Onsite Kodak Workflow Server Re-Purposing and Installation Service).** If the RAID has to be moved on a pre-Prinergy 4.0 system, please add another day to update the database (slower in pre-Prinergy 4.x systems).

DLT storage and Prinergy 4/W2K3R2

It was decided in EAMER NOT to support this storage technology anymore on W2K3R2.

FAQ: What should happen with existing Prinergy Connect customers that currently are using a DLT archiving solution with their workflow and they want to upgrade to Prinergy 4/W2K3R2?

Scenario 1
The customer could "migrate" all existing DLT tape storage to our current supported archiving solutions (AIT or LTO) using the "medium logical copy" feature available in their Prinergy workflow BEFORE upgrading to Prinergy 4/W2K3R2.

Scenario 2
The customer purchases a DLT8000 tape drive which is currently the ONLY DLT tape drive supported on W2K3R2. This device can then be used to retrieve data from the existing DLT archive. Next the customer can use our current supported archiving solutions (AIT or LTO) in order to store the job again.

Prinergy 4.0 Legacy Server Support

Kodak supports Prinergy 4.0 on the following workstations and servers:

- Dell® OptiPlex™ workstation GX270 (with Intel® hyper-threading), GX280, GX620, and later running Windows® XP SP2 and Windows® Professional 2000 SP4 operating systems
- Performance PE700, PE800, PE830, and later running Windows Server 2003 R2 SP2 operating systems
- Premium PE2800, PE2900, and later running Windows Server 2003 R2 SP2 operating systems. **Note that the PE2600 is no longer supported to be used a Primary server BUT it still can be used as a secondary/render with Prinergy4.**

Prinergy 4.0 New Servers

If a customer needs to do a hardware upgrade, they should compare the cost to just paying a new server. See price books for additional RAM or larger disks.

Type	Model	RAM	Disk
Performance	015-00366A-01	2 Gb	2 x 80 Gb
Premium	015-00366A-02	4 Gb	3 x 73 Gb

If the new server is to replace a Primary, you need to add **SD-0004-03 (Service - Onsite Prinergy Software/Peripheral Re-Purposing and Installation Charge).**

Downtime for a Prinergy rehost (to a new Prinergy server) from Prinergy 4.0 on Windows 2000 to Prinergy 4.0 on Windows 2003 is depending on the database size and the network type present. It is safe to assume the workflow will be down for several hours.

New servers for secondary and renderstations come pre-configured and still require the regular mandatory installation fee as defined in the price book.

If the content of a job volume on an internal RAID has to be copied, see above for the service required.

Additional benefits of a new server are:

- Windows 2003 pre-installed (faster installation and less cost than a Windows 2003 Upgrade)
- Comes with adequate amount of RAM and Disk

- Faster performance (use the following comparison):

Model	CPU Speed	Relative Speed
DG 3700	4 x 500 Mhz	1.0
PE6400	4 x 700 Mhz	1.6
PE2500H	2 x 1.4 Ghz	1.4
PE4600	2 x 2.2 Ghz	2.5
PE 2600/2650	2 x 3 Ghz	3.4
PE2800/2850	2 x 3.2 Ghz	4.0
PE 2900/2950	2 x 2.33 Ghz dual core	6.4 (1.6 times faster than 2800)
PE 2900/2950 Gen III	2x 2.66Ghz quad core	8.3 (not confirmed from TIS team yet)

These are lab benchmarks and should be used carefully. Results might vary at customer sites due to network environment, storage location, type of files, etc…

Windows 2003 Upgrades

All existing Prinergy 3.1.x customer who wants to upgrade to Prinergy version 4 will have to purchase the necessary W2K3R2/XP upfront. Kodak EAMER will offer the upgrade to Prinergy version 4.0 with Windows 2003/XP ONLY.

OS upgrades are not customer installable so it will always require a site visit. OS upgrades are NOT included in any service contract EXCEPT for Premier Support contract customers.
The customer will need to order the following part numbers:

Part #	Description
SD-0049-09	SVC, Prinergy OS Upgrade for Primary
SD-0049-10	SVC, Prinergy OS Upgrade for Secondary or Renderstation

The new OS Licenses are NOT included in any support contract. The customer can either purchase these from Microsoft directly (some companies have company wide licensing agreements with Microsoft), or from Kodak (at the same price as we get charged by Microsoft).
As Windows 2003 Retail is no longer sold by Microsoft or Kodak, we will deliver Windows 2008 Retail. During installation the license can be downgraded to Windows 2003. From Q3, we will have the following part numbers in the price book.

Part #	Description	For Server
630-00349	Software - Microsoft – Retail - Windows 2008 Server Standard Edition If purchasing the Windows Server 2003 R2 for use on a Prinergy Primary, Hot Standby, Tertiary or Secondary Server used as Job Server, then an additional 5 CALs must be purchased.	Premium Server Performance Server
632-00349	Software - Microsoft – Retail - 5 Additional Client Access Licenses for Windows 2008	Premium Server Performance Server

Note again that although the customer is buying Windows 2008, it is Windows 2003 R2 that will be installed as Windows 2008 is not yet supported.

Kodak is using the default "Per Server" model of CAL Licensing when selling a Prinergy configuration.
An overview is found at: http://www.microsoft.com/windowsserver2003/howtobuy/licensing/caloverview.mspx
The number of Windows CALs required equals the maximum number of users or devices that may simultaneously access or use the server software installed on a particular server. The Windows CALs you acquire are designated for use exclusively with a particular server.

Some examples of CALs, a client connection to a server's share, an output device connected to the server, a process running from another server requesting a service on the CAL server.

Kodak does not resell the Windows XP upgrade. So if the customer wants to upgrade their workstation to Windows XP, and they do not have the Windows XP license (as described below), they will have to purchase a license from another source.

Some servers that were sold to customers already have the correct license. A customer can check the license that came with the server as follows:

- Look at the Dell-Microsoft sticker on the side of the server that indicates whether the server is licensed for Windows 2003 R2 or XP
- Go to the Dell support site or if that doesn't work go to www.dell.com and click on Support and then Technical Support) Enter the tag number (the serial number) on the Dell support page to determine which o/s version the unit was shipped with. The serial number is printed on top on the server and there is a larger sticker on the rear of the server
- If an older server already have the Windows 2003 licenses and the server was originally sold as a Primary server, it includes the required extra 5 CAL's. CAL's can be moved between different servers if they are on the same OS level.
- The Dell PE700, PE800, PE2600 was never sold by Kodak with Windows 2003 R2. The Dell PE840 was always sold with Windows 2003 R2. The Dell PE2800 was sold with or without the Windows 2003 license, so you will need to check the license as described above.
- The Dell Opti745, GX620, GX280 were always delivered with an XP license. The Dell GX270 was sold with or without the Windows XP license, so you will need to check the license as described above.

More details on Windows Licensing can be found in the document "Windows Licensing Guidelines" that is posted on TechPlanet.

Prinergy 4, Windows 2003 and EPM+

Existing Prinergy customers with EMP+ (Hot Standby) using the "Veritas VSR replication software" will need to upgrade to the application called "Doubletake" for Prinergy 4 and Windows 2003. This upgrade is free of charge and can be ordered using the following part number:

Part #	Description
634-00533A	S/W KIT,UPG,EPM+ VSR TO EPM+ DOUBLETAKE

Prinergy Rehost Scenarios for Primary Servers

The following can help to explain to a customer what will happen at this site during the rehost.

Rehost from Primary with Prinergy 3.1 on Windows 2000 to Prinergy 4.0 on Windows 2003 on existing hardware

- Ensure any RAID connected to the old Primary is backed up.
- Create ghost of the old Primary.
- Run rehosting tool to install Oracle 10 on the Primary server (Prinergy can be up and running)
- Run rehosting tool on the old Primary to save the configuration and database of the old Primary (to a local or network location – database is migrated during the save)
- Restaging of the Primary server (Install OS Ghost and Prinergy).
- Test the newly installed Prinergy.
- Install and configure programs on the new Primary that are not covered by the rehosting tool (CPS, Unix Configuration, Production Reporting or Business Link, Insite Prepress Portal Configuration, …).
- Run the Rehosting on the new Primary to restore the configuration and database on the new Primary.
- Configure Hardware devices (dongles, RAID, Tape Library, Cards, etc…)
- Backup the Database.

Rehost from Primary with Prinergy 3.1 on Windows 2000 to Prinergy 4.0 on Windows 2003 on new Hardware

- Ensure any RAID connected to the old Primary is backed up.
- Preparation of the new Primary server (connect to Network, Install OS and Prinergy if not shipped pre-configured).
- Test the Prinergy system on the new Primary.
- If internal RAID on old and new Primary: copy Job Data from old Raid to new RAID.
- Run rehosting tool to install Oracle 10 on the Primary server (Prinergy can be up and running)
- Run rehosting tool on the old Primary to save the configuration and database of the old Primary (to a local or network location – database is migrated during the save)
- Install and transfer any configuration or programs on the new Primary that are not covered by the rehosting tool (CPS, Unix Configuration, Production Reporting or Business Link, Insite Prepress Portal Configuration, …).
- Run the Rehosting on the new Primary to restore the configuration and database on the new Primary.
- Move and configure Hardware devices (dongles, RAID, Tape Library, Cards, etc…) Backup the Database.