Release Notes

English

Prinergy 3.1

739-00112B-EN Rev C

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Creo Inc.
3700 Gilmore Way
Burnaby, B.C., Canada
V5G 4M1
Tel: +1.604.451.2700
Fax:+1.604.437.9891

http://www.creo.com

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Introduction

We are pleased to send you the latest revision of the Prinergy® software. These release notes highlight the changes and improvements that were made to release 3.1 of Prinergy software.

What Is in These Release Notes

The release notes include the following sections:

New Features and Enhancements—describes new menu items, options, windows, or dialog boxes that were added to Prinergy software. Describes improvements that were made to existing features.

Known Problems and Limitations—lists problems that are not yet resolved and software limitations in effect.

Update Requirements and Information Sources—lists requirements and recommendations for a successful update. Points to supporting product information.

Integration with Other Kodak Software—lists Kodak software products that work with Prinergy.

Adobe Components—lists Adobe® software components and versions included in this release of Prinergy.

New Features and Enhancements

This section lists features that were added or improved in the 3.1 release of Prinergy software.

Note: If a featured is a licensed option, you must purchase a license for it to enable it in your Prinergy system. For information, see your sales representative.

Updated Adobe Components

Prinergy 3.1 delivers the latest versions of the core processing components used in Prinergy. Normalizer 7, Flattener 7, PDF Library 7, and the CPSI 3017 RIP are all delivered in this release. These components resolve a number of problems reported in earlier versions of Prinergy. In particular, the CPSI 3017 RIP addresses many font handling issues reported in the CPSI 3016 RIP.

While the CPSI 3017 RIP update represents a relatively small incremental change to the CPSI 3016 RIP, customers should exercise caution when planning to install this new release of Prinergy. It is extremely important to ensure that the version of the RIP used to proof and approve content is the same version used for making final output.

Observe the Following Precautions

Proofs and Plates

Be careful when plating jobs with the CPSI 3017 RIP that were proofed with the old RIP. Because the RIPs are different, there is a slight chance of an interpretation difference between proof and plate in this circumstance. Ideally, jobs should be plated with the same version of Prinergy used to generate the proofs.

Note: Hub and spoke configurations should coordinate when upgrading to Prinergy 3.1 to avoid this situation.

Reprints

For reprints of jobs that were printed previously, using an older RIP, it is recommended that you rerun proofs using the new CPSI 3017 RIP to ensure there are no unforeseen differences between the original press run and the reprint.

Enhanced JDF Connectivity to NexPress

Prinergy 3.1 includes enhancements to the Digital Print option to provide tighter integration with Kodak® NexPress™ digital presses. Featuring a powerful new JDF integration with the NexPress JDF Workflow Planner, the Prinergy Digital Print option unifies and automates offset and digital print workflows.

The JDF Workflow Planner gives the Prinergy workflow system full access to the JDF capabilities of the Kodak® NexStation™ from the NexPress Web site and brochures front end for output on NexPress presses. Operators launch the JDF Workflow Planner from within Prinergy Workshop to create JDF templates with

access to all NexPress print settings from media selection down to control over the NexPress fifth imaging unit to gloss, coat, or achieve a richer color gamut. Operators can define, initiate, and automate digital print jobs from the offset workflow, allowing jobs to be redirected on the fly and ensuring optimal press utilization.

PhotoShop TIFF Input

The normalize function can now accept 8-bit TIFFs created in Adobe Photoshop® software, including Grayscale, RGB, and CMYK colorspaces. It can also accept 1-bit Photoshop TIFFs (bitmaps).

L*a*b* and spot color TIFFs are not supported, nor are 1-bit and 8-bit TIFFs from third party workflows and software.

OPI Enhancements

Six new OPI features are being introduced with Prinergy 3.1:

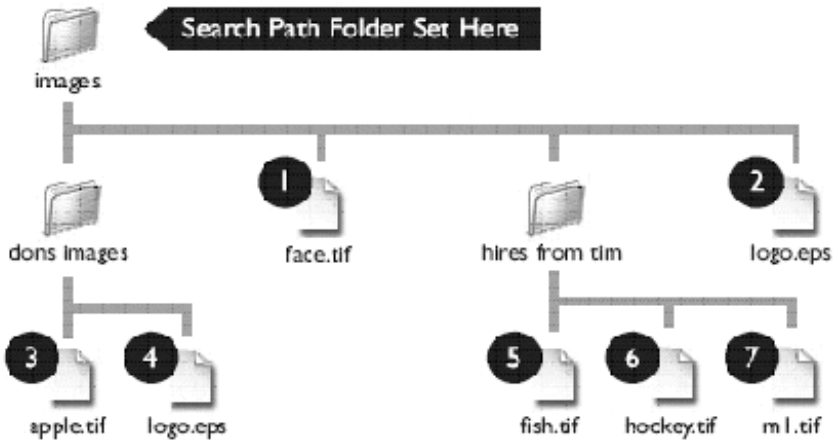
- Optional recursive searches into the subfolders of each image search path
- Optional inclusion of the clipping path specified in a Photoshop TIFF image
- Optional inclusion of the spot colors specified in a Photoshop TIFF image
- Optional soft masking for Photoshop TIFF images using an embedded alpha channel
- Optional drop-shadow image transparency
- Optional skip images with these suffixes

All six optional features are turned off by default to retain compatibility with existing setups. To enable these features, start the Process Template application and edit a refine process template. The new settings are found in the **Fonts and Images** section.

Recursive Searching

Previous versions of Prinergy required users to specify each folder that contained candidate images for OPI image swap. This could be burdensome for users that organize images into many different folders. Now users can instruct the system to also search through subfolders while looking for a matching image.

The subfolders are searched in alphabetical order and all immediate subfolders are searched first before looking further. The following diagram shows the search order if the search path is set to the folder **images**. The numbers indicate the order in which the OPI engine encounters each file as it looks further into the subfolders.



If the OPI engine is looking for the image **fish.tif**, it will find file number 5 inside the folder **hires from tim** after searching the root folder (the folder **images**) and after searching the folder **dons images**. If the OPI engine is looking for the image **logo.eps**, it will find file number 2 rather than number 4.

Users are advised to consider that different images with the same file name might be discovered by the search algorithm in unexpected ways. The example above contains two images named **logo.eps** and this ambiguity could cause bad results. Users are advised to check the refined pages carefully if there is any doubt.

Recursive searching can take a long time if it has to search many subfolders. Performance of refine processing may be affected: be cautious when using this feature with search paths pointing to large disks.

Photoshop TIFF Clipping Paths

Previous versions of Prinergy ignored the clipping path set in Photoshop TIFF images. The recommended workaround was to save these files as Photoshop EPS and replace them in the layout document. Now users can instruct the system to include the clipping path directly from the Photoshop TIFF during OPI.

Unintended image clipping can result if the source page is not designed to use the clipping path from the Photoshop TIFF when this feature is enabled. Users are advised to check the refined pages carefully if there is any doubt.

Photoshop TIFF Spot Colors

Previous versions of Prinergy ignored the extra spot color channels in Photoshop TIFF images. Users were advised to convert the images to Photoshop DCS images and replace them in the original layout. Now users can instruct the system to include the spot color channels in addition to the CMYK channels during OPI image replacement.

When this feature is enabled, the OPI engine will merge the CMYK color channels with all spot color channels to produce a single, multi-channel DeviceN image. Further refine processing such as color matching and trapping will function correctly for these images. When this feature is disabled, all of the spot color channels in the image file are ignored.

Spot color channels are created and edited using the Channels palette. Note that although Photoshop includes the name of the spot color channel, it does not include the recipe, so we recommend that users select the **Lookup Recipe in Color Database** option in the **Spot Color Handling** section of the refine process template to provide an accurate color recipe for proper color matching and trapping.

Be aware that Adobe InDesign® software will not omit TIFFs for OPI that contain spot colors even when OPI is selected in the Print dialog box. One workaround is to place a plain CMYK TIFF proxy image first, generate Adobe PostScript® from InDesign software including the OPI comments (but omitting images), and then put the TIFF file containing the desired spot color channels into the search directories.

Soft Masking for Photoshop TIFFs

Images with soft masks allow effects such as feathered edges or soft silhouettes. This effect is something normal clipping paths cannot accomplish—clipping paths only give a hard edge to the image but soft masks may give either a hard or soft edge, depending on the design of the mask.

When enabled, the OPI engine looks inside the Photoshop TIFF for an alpha channel to be used to create a soft mask for the source image. The first alpha channel is used if more than one is present—the remaining alpha channels are ignored. When this feature is disabled, all the alpha channels are ignored.

Note: This should not be confused with the Photoshop masking or transparency features that are part of the Layers palette. Alpha channels are created and edited using the Channels palette.

This feature is similar to the built-in capabilities of Adobe InDesign, although it will work with QuarkXPress® software or any software that will generate OPI comments.

Drop Shadow Transparency

Images are often inserted into layouts intended as a drop shadow for a second image that is placed over top the shadow image.

The Quark ShadowCaster™ XTension is often used to construct such drop shadow images. These drop shadows can also be generated by hand if desired.

When Drop Shadow Transparency is enabled and the image is identified as a drop shadow, the OPI engine will apply the transparency blend effect automatically. The image file names must use a special extension that identifies them as drop shadow images vs. normal (non-drop shadow) images. The default extension is **.shd**. For example, the file name **shadow.tif** would not become transparent. The file name **shadow.shd** would have transparency applied by the OPI engine. This extension is user-configurable by setting the Transparent Drop Shadow Image Name Suffix box in the **Fonts and Images** section of the refine process template. This value cannot be blank.

Drop shadow images can be grayscale, RGB or CMYK, although the most common style is grayscale. Users are encouraged to use the TIFF format when saving drop shadow images.

Flattening Surprises?

The new soft masking or drop shadow transparency features will automatically invoke flattening after the PostScript is normalized to PDF. Similar to handling transparency-rich documents from Adobe InDesign or Adobe Illustrator® software, there are some techniques that can help you avoid surprises.

Keep black text on top of all other objects during layout. The flattener will preserve your text as vector objects as long as the text is not under any other objects. Remember that the flattener looks at the outer extent of the bounding box of your text, not just the text itself. Ensure that the entire text box is on top, even the corners.

Create spot colors in their final condition before writing PostScript files. The flattener treats objects differently if they are spot colors vs. process colors. If you really want objects to appear only as CMYK, adjust the color definition in the layout software rather than waiting until refine processing. If spot color conversion is unavoidable, it is recommended that you enable the **Overprint Handling** option and ensure that **Knockout Colors** is disabled in the **ColorConvert** section of a refine process template.

Skip Images With These Suffixes

This feature tells Prinergy to not attempt OPI for certain types of images. For example, this is useful for cases where there are high-resolution TIFFs and low-resolution FPOs on the same page.

Web Growth Wild Card

A wild card character has been added to the web growth syntax to simplify setup in jobs where multiple colors will be output with the same scaling factor (as is common in flexography). The wild card (*) used in **ColorTowermap.txt** will map any undefined color to the specified color tower. As a result, users only need to specify a single scaling factor in the **.wgp** file.

For example, a flexo-use **ColorTowerMap.txt** file would likely have only a single entry (* 1), which maps all colors to Tower 1. The **.wgp** file would then require only a single entry to specify the scaling factor for Tower 1. This feature could also be used for web presses that typically print CMYK +1 changing spot color. The Web Growth wild card could be used to create a "universal" **ColorTowerMap.txt** file that maps every color (other than CMYK) to the tower, following the CMYK towers (* 5). This would eliminate the need for operators to edit the **ColorTowerMap.txt** file for each job.

Known Problems and Limitations

This section lists known problems in Prinergy software. They may be outstanding issues from a previous release or new problems. When a problem listed here is resolved, the solution is described in the *Problems Fixed* section of the release notes for the next version of the Prinergy software.

Editing of Impositions Using the Integrated Preps Client Supports Only PJTF

In Prinergy 3.1, when using Preps® integration to print to JDF (as opposed to Adobe PJTF), and later attempting to edit the imported JDF imposition from within Prinergy, Preps may produce a corrupt JDF file. The workaround is to continue using PJTF. This problem will be fixed in the next release of integrated Preps with Prinergy. In the meantime, if this issue is important to your workflow, a Preps download that corrects this problem is available for manual installation.

Import of JDF Stripping Parameters Via Automated Imposition Engine May Fail

Import of JDF stripping parameters via Prinergy's automated imposition engine may fail in some cases when you are using Prinergy update 3.1.0.2.

This problem will be addressed in a future Prinergy update.

Some CEPS Files May Not be Recognized as Valid Input Types

CEPS input may have some trouble recognizing valid CEPS files, including ORIS handshake files. This will be fixed in a Prinergy minor update planned for release in the near future. As a workaround, try selecting **.fp/.assg/.R0P** files by themselves, without their dependent files.

Update Requirements and Information Sources

How Do I Upgrade My Prinergy System?

Upgrade your Prinergy system to 3.1.x.y by following the procedure in the *Prinergy 3.1 Upgrade Guide*. This guide lists the prerequisites required to upgrade your system and gives step-by-step instructions.

A PDF version of the *Prinergy 3.1 Upgrade Guide* in English is included on your Prinergy 3.1 Upgrade and Documentation DVD.

When copies of the guide become available in other languages, they will be added to a future software update and made available on the eCentral® Internet portal and/or an updated DVD.

If you need assistance while upgrading your Prinergy system, contact a Kodak service representative in North America at 1.800.472.2727, or in Europe at 00.32.2.352.3090.

More Upgrade Requirements

Free Disk Space

The Prinergy 3.1 update requires that you have free disk space on your system in order to install successfully. The amount is dependent on the size of your database and the configuration of your system. Run the **Precheck Utility** that is included in the upgrade package to determine whether sufficient free space is available before you start the Prinergy update.

System Drive Size

A system drive size of 32 GB or larger for Prinergy primary servers and Hot Standby servers is recommended for this update. System drives with 16 GB are also supported, but may not be adequate for some customers with large databases. Servers with a system drive of 8 GB are not supported with Prinergy 3.1.

Client Update Share for Macintosh

Always use Apple Filing Protocol (AFP) to mount the client auto update (CAU) share from your Macintosh clients; do not use native Windows File Sharing (SMB). If you mount the client auto update share and make any edits using SMB, any future connections using SMB that the installer makes automatically will be unable to access files from the share.

Where Is My Prinergy Documentation?

You can access online help and user guides for Prinergy Workshop and Prinergy Administrator from their **Help** menus. Printed quick reference cards for Prinergy Administrator are shipped with the package.

You can also access copies of this user documentation, and other helpful guides and technical bulletins from the Prinergy 3.1 Upgrade and Documentation DVD.

When copies of the core user document set become available in other languages, they will be added to a future software update.

Where Can I Find the Latest Prinergy Upgrades?

You can get new and revised Prinergy documentation and software downloads on the eCentral Web portal at:

https://ecentral.creo.com/.

If you are not yet a registered user of eCentral, you can register online at:

https://ecentral.creo.com/register.asp.

Integration with Other Kodak Software

These are key requirements for software that is commonly integrated with Prinergy. Connectivity with other software and elements is otherwise the same as for Prinergy 3.0.

Kodak Software	Versions Supported with Prinergy 3.1
InSite	InSite 4.5.0.1978 and later.
Link	Link 2.1 and later.
Preps	Preps 5.2 (Plus or Pro) is integrated with Prinergy 3.1 Workshop to provide for the creation and editing of impositions in job context. Prinergy 3.1 also supports Preps versions 4.2, 5.0, and 5.1 are also supported for the generation of imposition templates that can be manually imported into Prinergy via Workshop.

Adobe Components

The following Adobe software components and versions are included in the 3.1 release of Prinergy. Check the readme files in subsequent minor updates for any changed information.

CPSI RIP

The CPSI RIP rasterizes documents. Note that halftone screening patterns are defined by Creo components.

Printer JTP: CPSI 3017.102-04_MOD.001

CEPS Output JTP: CPSI 3015

Flattener

The Flattener converts documents from PDF to PostScript format.

PDFToPS.dll: 3017.102-00

Normalizer

The normalize function converts documents from PostScript format to PDF files.

Nserver.dll: 7.0.5_MOD.001

PDF Library

Prinergy uses the PDF Library to read, modify, and write PDF documents.

PDFL60.dll: 7.0.0.0