Prinergy Emergency Platemaking

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User Guide

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creo™

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5157516	5367388	5576754	5742743	5969872	6115056	
5208818	5384648	5579115	5764381	5973801	6121996	
5208888	5384899	5592309	5771794	5986819	6130702	
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Contents

Using This Manual 1

Assumptions 1
Reference 1

Emergency Platemaking 3

What Is Emergency Platemaking? 3
How Does EPM Work? 3
When is EPM used? 4
EPM Periodic Testing 4

Preparing for EPM 5

Planning for JTP Redistribution 5
Updating Process Plans, Mark Sets, and ICC Profiles 6
Loading the PANTONE Color Library 6
Recording Nonstandard Global Color Entries 6
Duplicating Fonts 7

Switching to EPM Mode 9

Making the EPM Server the Primary Server 9
Adding and Redistributing JTPs to The EPM Server 9
Updating Process Plans 10
Loading Colors 11
Duplicating Fonts 11
Selecting the New Primary Server From the Client 11

Reverting to Normal Operation 13

Exporting Jobs From the EPM Server 13
Making the EPM Server a Secondary Again 13
Restoring the Standard Configuration 13
Importing EPM Jobs 14

Appendix A: EPM Planning 15

JTP and Pool Distribution Table 15
Process Plan Reference Table 16
Nonstandard Global Color Entries Table 17

Using This Manual

The *Prinergy Emergency Platemaking User Guide* is designed to get you up and running in Emergency Platemaking (EPM) mode on your Prinergy system.

Use this document to:

- Prepare your Prinergy system to use EPM.
- Switch your Prinergy system to EPM mode.
- Return to normal operating mode.

Assumptions

This manual assumes that:

- All components of Prinergy EPM have been installed, configured, and tested on your system.
- You have a working knowledge of prepress operations.
- You are familiar with the Macintosh and Windows NT or Windows 2000 operating systems.
- You are familiar with Prinergy system administration.

Reference

For any system configuration procedures, see the *Prinergy System Administration Guide* and Prinergy Administrator online help.

Emergency Platemaking

What Is Emergency Platemaking?

Emergency Platemaking (EPM) is a software-based solution that allows a Prinergy system to continue to process jobs and produce plates if the primary server fails. This option does not provide complete system redundancy; the EPM solution is based on using a secondary server as a primary server until the original primary server is restored. The reconfiguration required to switch to and from EPM mode is very straightforward, so your Prinergy system can be running again just minutes after detecting a failure of the primary server.

How Does EPM Work?

To support EPM, all of the primary server's Prinergy software components are installed onto a secondary server (or render station). These components include all of the Prinergy executables, libraries, and configuration files, as well as a completely independent installation of the Oracle database.

On a regular basis, the configuration files are copied from the primary server to the EPM secondary server. These files include process plans, JTP distribution information, and standard colors and fonts. This procedure captures any configuration information on the primary server that the EPM secondary server would need to operate as a primary server.

During normal system operation, the EPM server uses only the Prinergy components needed by a regular secondary server. All of the other non-secondary components, such as the Oracle database, are unused. If the Prinergy primary server fails, you reconfigure the EPM secondary server to go into EPM mode and take on the processing of urgent jobs.

When is EPM used?

The reasons for switching to EPM may differ from one case to another. However, the essential reason for switching is to make sure that urgent jobs get through production. If a primary server failure occurs, call the Creo Response Center for help, then assess the urgency of the situation. If a plate must be remade for a job on the press, for example, switching to EPM mode would likely be done without delay.

EPM Periodic Testing



Important: Due to the nature of EPM, and the urgency with which you may require its functionality, Creo strongly advises a quarterly "fire-drill" test. This test will take about 30 minutes, and should consist of:

1. Activating the EPM server as a Primary as described in this guide.
2. Starting Prinergy with the EPM server acting as the Primary.
3. Running a test job in this configuration.
4. Switching the EPM server back to Secondary mode.
5. Starting Prinergy in standard mode.

This test will ensure that operators know how EPM functions and what to expect, as well as being sure that EPM will function properly when you need it to.

Preparing for EPM

After a Creo service representative has installed EPM on your Prinergy system, there are a few tasks you must perform to ensure an easy transition to EPM operation, when needed.

Do the following to prepare your Prinergy system for EPM:

- Plan for JTP redistribution.
- Update process plans, mark sets, and ICC profiles.
- Load the PANTONE color library on the EPM secondary server.
- Record nonstandard global color entries.

See the *Prinergy System Administration Guide* and the Prinergy Administrator online help for more information about how to complete these tasks.

Planning for JTP Redistribution

JTP pool configuration information from the primary server is migrated to the EPM secondary server as part of a daily configuration file transfer. In addition, the following JTP configurations are automatically transferred:

- CTM-Transform
- Marks
- PDF-OPI-Prep
- Register
- Sequencer
- Splitter
- Thumbnail-Prep

Some JTPs are present only on the primary server. You must manually redistribute these JTPs on the EPM secondary server when operating in EPM mode.

There may be enough JTP redundancy in the original JTP configuration that not all JTPs running on the primary server will need to be replaced. For example, if the original configuration had two Normalizer JTPs active—one on the primary server and one on a secondary server—you may decide that it is acceptable to run in EPM mode with only one Normalizer JTP on the secondary server. If not, you would have to create a new instance of the Normalizer JTP on one of the active Prinergy servers and enable any newly-created JTP in its pool.



Tip: Plan your JTP and pool distribution ahead of time, so that you can quickly configure and verify your preferred distribution of JTPs if you switch to EPM mode. Use the JTP and Pool Distribution table in *Appendix A: EPM Planning on page 15*.

Updating Process Plans, Mark Sets, and ICC Profiles

Process plans from the original primary server are migrated daily to the EPM secondary server. You may need to reconfigure some process plans for EPM operation to capture any changes made since the migration.

You will have to change process plans that request a JTP on the primary server to specify a JTP accessible to the EPM server or the pool.

A process plan can also refer to files that are stored on the original primary server. Identify these files in advance and ensure that they will be available and accessible from somewhere other than the primary server. Once in EPM mode, you can change the process plan to point to the new locations.

Typical files to copy to an EPM-accessible location are:

- *Mark Sets*—The nightly configuration migration copies the mark sets from their standard location at **%AraxiHome%\CreoAraxi\data\MarkSets** to the identical location on the EPM secondary server. If a process plan refers to mark sets that are at a different location on the original primary server, you must update the locations in the process plan.
- *ICC profiles*—ICC profiles are migrated to the EPM secondary server from their standard location at **%AraxiHome%\CreoAraxi\data\ICC-Profiles**. If the ICC profile parameters in a process plan refer to profiles at a different location on the primary server, you must update the locations in the process plan.



Tip: Use the Process Plan Reference table in *Appendix A: EPM Planning* to record the process plans that reference a primary-server-specific JTP and to note the names and locations of any mark sets and ICC profiles that you will need for EPM mode operation.

Loading the PANTONE Color Library

For successful processing in EPM mode, the EPM secondary server must have the same PANTONE color library version as the primary server.

If the PANTONE color library on the primary server is a different version than the PANTONE library on the EPM secondary server, you must load the version on the primary server to the EPM secondary server.

Recording Nonstandard Global Color Entries

Nonstandard global color entries are not migrated daily to the EPM secondary server, so you must re-create these entries on the EPM secondary server.



Tip: Use the Nonstandard Global Color Entries table in *Appendix A: EPM Planning* to record any nonstandard global color entries that you will need to re-create on the EPM secondary server.

Duplicating Fonts

Any fonts stored on the original primary server in a location other than **%AraxiHome%\CreoAraxi\data\Fonts** will not be migrated nightly to the EPM secondary server. If any of these fonts will be required for jobs that may be processed from the EPM server, you must duplicate these fonts on the EPM server.

Switching to EPM Mode

Once you have completed the tasks in this section, your Prinergy system will be ready to process print jobs using the EPM server as a primary server.



Tip: These tasks will take less time if you have done some planning in advance. See *Preparing for EPM* on page 5.

You must do the following before you can use EPM mode:

1. Switch the EPM secondary server to primary server operation.
2. Add and redistribute JTPs on the EPM server.
3. Update process plans.
4. Load colors.
5. Duplicate fonts.
6. Select the new primary server from the client.

Making the EPM Server the Primary Server

Important: No jobs should be running when you switch the EPM secondary server to prinary server operation.

To switch the EPM secondary server to primary server operation:

1. In Prinergy Administrator, select **File>Stop Prinergy** to shut down Prinergy on all servers.
2. Use **Start>Shutdown** to shut down the primary server.
3. Transfer the Prinergy dongle from the primary server to the EPM secondary server.
4. In Prinergy Administrator on the EPM secondary server, select **File>Switch to Primary** to switch the EPM server from its secondary function to primary server operation.

   The EPM secondary server will immediately become the primary server.

Adding and Redistributing JTPs to The EPM Server

To add and redistribute JTPs and pools on the EPM server:

1. Start up Prinergy.

   At this point, the EPM server is the primary server with a blank database.

2. Redistribute JTPs previously copied from the original primary server to the EPM server (if required).

   You must manually add and redistribute JTPs that were not migrated daily and that were present only on the primary server to the EPM server before Prinergy can operate in EPM mode.



Note: All JTPs previously running on the associated render stations and secondary servers (including the EPM secondary server) will be retained and need not be re-created.

   Carefully review the JTP and pool distribution on the EPM server and other secondary and render station servers before processing any jobs from the EPM server.



Tip: Follow the plan you recorded in the JTP and Pool Distribution table in *Appendix A: EPM Planning on page 15*.

Updating Process Plans

To update the process plans on the EPM server:

1. Review process plans (if required).

   You may need to edit some process plans on the EPM server to capture changes made since the process plans were migrated from the primary server to the EPM server.

2. Manually edit process plans for:

   - References to JTPs (as opposed to pools) that are located only on the original primary server.

     You must replace these JTPs with generic pool references or with new versions of the JTPs that were created on the EPM server.

   - Files explicitly referenced that refer to files existing only on the original primary server. You must correct these process plans to refer to the new file locations. In particular, review these files:

     Mark Sets—If a process plan refers to mark sets at a location other than the standard folder on the original primary server, you must update the locations in the process plan.

     ICC profiles—If the ICC profile parameters in a process plan refer to profiles at a location other than the standard folder on the primary server, you must update the locations in the process plan.



Tip: Use the list of files and locations that you recorded in the Process Plan Reference table in *Appendix A: EPM Planning*.

Loading Colors

To load the PANTONE color library and global color entries on the EPM server:

1. Load the PANTONE color library (if required).

   If the PANTONE color library on the original primary server is a different version than the PANTONE library on the EPM server, you must load the version that is on the original primary server on the EPM server.

2. Add nonstandard global colors (if required).

   You must re-create nonstandard global color entries that are on the original primary server on the EPM server.



Tip: Use the list of color entries that you recorded in the Nonstandard Global Color Entries table in *Appendix A: EPM Planning*

Duplicating Fonts

Fonts stored on the original primary server in a location other than **%AraxiHome%\CreoAraxi\data\Fonts** are not migrated daily to the EPM secondary server. If these fonts are required for jobs processed from the EPM server during EPM mode operation, you must duplicate the fonts on the EPM server.

Selecting the New Primary Server From the Client

When you log in to Prinergy Workshop for the first time after switching to EPM mode, you must select the name of the acting EPM primary server, instead of the original primary server.

You are now ready to use Prinergy to process jobs and make plates in Emergency Platemaking mode.

Reverting to Normal Operation

Once the original primary server has been repaired, you can revert to using it as the principle primary server, returning the EPM server to secondary server status.

Do the following to revert to normal operation:

1. Export jobs from the EPM server.
2. Switch the EPM server back to its original configuration.
3. Restore the standard configuration.
4. Import EPM jobs.

Exporting Jobs From the EPM Server

In EPM mode, the EPM server uses a database that is physically independent from the original primary server. Any jobs that were processed during EPM mode operation will be lost when you revert to the original server configuration. If you want to keep the jobs, export them before reverting the EPM server to its normal configuration.

With the EPM server still the primary server, export the jobs processed in EPM mode (if required).

Making the EPM Server a Secondary Again

To switch the EPM server back to its original configuration as a secondary server:

1. In Prinergy Administrator, select **File>Stop Prinergy** to shut down Prinergy on all servers.
2. Transfer the Prinergy dongle from the EPM server to the primary server.
3. Ensure that the primary server is up and running.



Note: Do not start Prinergy on the primary server.

4. In Prinergy Administrator on the EPM server, select **File>Revert to Secondary**.

   The EPM server will immediately become a secondary server.

Restoring the Standard Configuration

To restore the standard configuration:

- Start Prinergy on all servers.

The system reverts to its standard configuration, with the original primary server and all secondary servers and render stations linked correctly.

Importing EPM Jobs

If you exported any jobs from the EPM server, you can now import the jobs so that they become part of the primary server's database, if required.

Prinergy is now restored to normal operating mode and can be used in its standard configuration.

Appendix A: EPM Planning

JTP and Pool Distribution Table

To make it easy to configure and verify your preferred distribution of JTPs on the EPM server, use the following table to record the pools and JTPs that you will need for EPM mode operation.

Pool or JTP	Name	Type	Server	Properties/Options
(Example) Pool	Color Match	Color Match Pool	Primary	
(Example) JTP	ColorMatchOnSecondary	Color Match	Secondary	Color Management: Advanced

Process Plan Reference Table

Use the following table to record process plans that reference a primary-server-specific JTP and to note the names and locations of any mark sets or ICC profiles that you will need for EPM mode operation.

File Name or Process Plan	New Location or JTP	Description
(Example) SpecialMarkFile.pdf	\\Secondary\MarkSets	Special mark set required for Customer A.

Nonstandard Global Color Entries Table

Use the following table to record any nonstandard global color entries that you will need to re-create on the EPM server during EPM mode operation.

Color Name	CMYK or Lab	Description
(Example) Special Spot Red	CMYK	Opacity=Normal, Neutral Density=Blank, C=0, M=100, Y=90, K=0, Screening Angle=75