**Océ PRISMAproduction**

# Manual Update V4.06.01

### April 2012

**This document contains the latest information about PRISMAproduction, which has not been integrated into the handbooks so far or which we want to emphasize as changes.**

Contents

# 1 PRISMA - Common Information

## 1.1 Hardware Setup

**Introduction**

**Note:**
The maximum number of licenses and thus the number of instances of converters possibly running in parallel has been increased in V4.06 from 4 to 16 for each of the following types: Unity, Unity+, PPML, PCLconverter, TIFFconverter, PDC and PDF Preflight.
Please be aware that increasing the instances of converters only makes sense if the server hardware is powerful enough to run these converters in parallel. The requirements are depending on the type of converter and the type of application.

Additional hardware requirements may be
- Number of CPU cores
- Main memory
- Disk speed
- Disk space
- Network speed

Running too many instances with too few hardware resources may result in performance degradation rather than performance gain. In case of any doubt contact your local software consultant before purchasing additional instance based licenses.

## 1.2 VMware Support

> **Note:** After installation of a new Linux kernel issued by an SLES10 Service Pack or normal Linux Update and installation of PRISMAproduction all VMware applications may not be startable.
> In such a case please start the VMware player manually with the command line "vmplayer". Then vmplayer will update to the current kernel.

# 2 Installation

## 2.1 Security Info

**World Writable files and directories**

The following directories and files still have World Write access rights

| Mode | Directory | Reason |
|---|---|---|
| d0777 | /u/prismapro/diag/explorer/ | Explorer runs in the context of the user, where this user is the linux user and may not be identical with the prisma user. |
| d0777 | /uPD/hotdir/<hotdirname> /u/prismapro/data/uPD/hotdir/< hotdir_name>/ | hotdir directories are prepared to copy jobs from outside by different users into the hotdir. |
| d0777 | /u/prismapro/data/ods/files/xxx xxxxx/xxxxxxxx.000x.000x/data /PitStopLibraryTempFolder/ | 'umask ' is set by ods which is still running the PitStop library as root. |
| d0777 | /u/prismapro/tmp/ | The folder is used by different users who remove the files of others, also of different groups. |
| d0777 | /usr/share/jython-2.2.1/cachedir/packages/ | Global cache directory of Jython, please see e.g. http://www.jython.org/archive/22/userfaq.html |

## 2.2 Installation of the Integrated Viewer Server

**Note:** The Integrated Viewer Server can not be used in environments where PRISMAproduction is running virtualized. A Viewer version which can be used in ESX environments is planned for a later release.

## 2.3 Add-On Fujitsu_HW_observer

**Note:** On Fujitsu servers it is highly recommended to install the Add-On package Fujitsu_HW_observer in order to receive full information about RAID and Server hardware for a prismadiag.
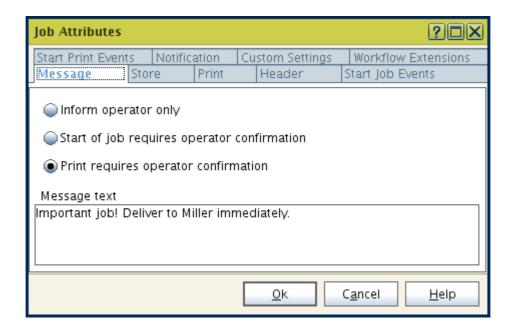
# 3 PJM

## 3.1 'Job Attributes': 'Message'

The PJM Job Attributes Message has a new option: 'Print requires operator confirmation'

Description:

The print job remains in state "exception - waiting for release" with the given message directly before the print step. The operator can call up the message by double-clicking the job in the 'All Jobs' window, and can then confirm it with "Start" or hold the job by clicking "Wait". The print process does not continue unless the message is confirmed. This option can be used for check of page count before printing.

## 3.2 'Job Attributes': 'Print'

### Post Process

**Note:** Finishing operations defined in IPDS-Mode do not work when the printer selection is switched from IPDS Driver to PS-Driver and vice versa.

# 4 POD-Module Operation

## 4.1 Unity

**Note:** Large and/or complex PDF files (e.g. > 2GB, > 100.000 pages or pages with much data) are critical when processed with any PRISMA PDF consumer like UnityRIP, UnityPlus or PDFpreflight. Effects that may occur are huge process times or crashes when reaching system or application limits like available contiguous memory, hard disk space or PDF specific limits. Possibly a split of the data in smaller portions may cure the problem.

## 4.2 PCL-Converter

The following chapter is to be inserted in Admin Guide after the chapter: "PCL Converter: Fonts and Bin Control".

## PCL Converter: PJL command support

PJL is supported as specified in HP's "Printer Job Language Technical Reference Manual, Edition 7 (10/95). The target of the PJL support in PCL Converter V4.02.xx is the HP LaserJet 5Si. The following table shows the PJL commands supported:

| Command | Support |
|---|---|
| COMMENT | yes |
| DEFAULT | yes |
| DINQUIRE | No |
| ECHO | No |
| ENTER | LANGUAGE restricted to PCL and PCLXL |
| EOJ | yes |
| FSAPPEND | No |
| FSDELETE | yes |
| FSDIRLIST | No |
| FSDOWNLOAD | yes |
| FSINIT | yes |
| FSMKDIR | yes |
| FSQUERY | No |
| FSUPLOAD | No |
| INFO | No |
| INITIALIZE | yes |
| INQUIRE | No |
| JOB | yes |
| OPMSG | No |
| PJL | yes |
| RDYMSG | No |
| RESET | yes |
| SET | yes, restricted to current printjob file conversion |
| STMSG | No |
| UEL | yes |
| USTATUS | No |
| USTATUSOFF | No |

# 5 LCDS-Module Operation

## 5.1 Restart Documentation in LCDS 4.06 User Manual Page 30

### Restart of LCDS Jobs

For the option to use 'with current settings', the parameters job class, copies, priority and form are supported. In order to change the printer (and eventually change the workflow, see below) *or to change the printing range* use the 'via PJM' option to restart an LCDS Job.

# 6 Configuration

## 6.1 Configuration Archives

### Manage PFL Files

**Note:** Cut & Paste between Master and Secondary Server is not available.

## 6.2 Configuration Backup/Restore

**Note:** Backups obtained with version number lower than V3.10.06 are no longer supported.

The maximum data size which can be handled with the PRISMAproduction Configuration Backup is limited. On a system with at least 4 GB main memory and an average processor 1 GB should be handled with V4.06. If the limit is reached a timeout or an out of memory message will be shown and the backup will be aborted.

This limit may be reached in configurations with a very high number of large print resources stored in folders below "/u/prismapro/cfg/printers/". It is recommended to use those folders mainly for the system pages (header, trailer, etc.), but to use the resource folders "/u/cust/resources/" for all other resources and to reference those folders in the printer configuration. In cases where the limit has been reached, the resources stored below "/u/prismapro/cfg/printers/" have to be backuped and restored manually. After the manual backup and removal of those resources, the configuration backup should work as the data size should be below the limit.

**Note:** Importing only parts of a Configuration Backup is restricted to identical versions.

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|---|---|---|
| | | |

## 6.3  Configuration Printers

### Add a new Printer - 'Generic Driver'

**Note:** Support of grouped jobs in Generic backend (Network with LP Protocol) is not functional.

### PostScript Backend - AFP2PS Converter

**Note:** POD Barcode support of the POD afp2ps converter is limited. Currently all POD (PDC) Barcodes (within the POD Module) are converted to "CODE 39" Barcode.

**Note:** OCE extensions, esp. for BCOCA Barcode like barcode Types 0xEC – 0xEF, done for special OCE functional code printer customers are not supported.

## 6.4  Configuration Resource Preparer

### Introduction
**Note:** RAT (Resource Access Table) creation is available only for CMRs and TrueType/OpenType Font Resources. Currently no other objects are supported.

## 6.5  Configuration User Permissions

**Note:** The permissions of the standard users **operator**, **applic**, **admin** and **service** can be edited now.
The names of these standard users cannot be edited.

### 'General Explorer settings'
'View job data with viewer'
**Note:** With this permission the user is allowed to view the job data with the viewer or the PDV.

# 7  Windows Printer Driver

**Note:** The Offset parameter is ignored when previewing jobs submitted via WPD in the Windows PDV3. Jobs with offset are displayed without the offset.

**Note:** Windows PDV3 is not able to display a page range selected for print or preview in WPD.

# 8  Viewer

**Note:** The Viewer shows pages and not sheets. Therefore the eForms are not visible in the preview except for the situation when the job was proofed to a TrueProof printer simulating a JetStream or CS 10000 printer. In this case, the Viewer opens in 'proofing' mode and shows the eForms.

# 9 Backup Solutions

## Mirror Print Jobs

**Note:** With a slow network connection to the mirrror and/or large print data files internal timeouts can occur.

**Note:** HotDir waits until the job and data mirroring is finished before processing the next job. Thus HotDir can slow down the data file processing.

## Prerequisites and Functionality

**Note:** Resource Mirroring cannot be scheduled using the GUI. This has to be done manually. In order to do this automatically in background, a cron job must be defined.

# 10 Printer Pool

## Printer Settings – Printer Automation

**Note:** Printers connected via PJL or Postscript backend have a different handshaking compared to IPDS printers. Therefore the Option "Printer Start+Stop" should not be used in the case that you want to monitor the printers (PJL/PCL: PJL Parameter "READBACK", Postscript: LI Parameter "IP" in Printer Configuration). If you use it in spite, print jobs will show up in state "exception - print error" after successfully printing rather than "finished complete".