PRISMAproduction app bundle for Enfocus Switch

User guide

© 2024, 2026 Canon Production Printing

Copyright and Trademarks

Copyright

Copyright 2024, 2026 Canon Production Printing.

No part of this publication may be copied, modified, reproduced or transmitted in any form or by any means, electronic, manual or otherwise, without the prior written permission of Canon Production Printing. Illustrations and printer output images are simulated and do not necessarily apply to products and services offered in each local market. The content of this publication should neither be construed as any guarantee or warranty with regard to specific properties or specifications nor of technical performance or suitability for particular applications. The content of this publication may be subject to changes from time to time without notice.

CANON PRODUCTION PRINTING SHALL NOT BE LIABLE FOR ANY DIRECT, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM THE USE OF THE CONTENTS OF THIS PUBLICATION.

Trademarks

Canon is a registered trademark of Canon Inc. PRISMAproduction is a trademark of Canon Production Printing Netherlands B.V.

Windows is a trademark of Microsoft group of companies.

Enfocus Switch is a trademark of Enfocus, an Esko company.

All other trademarks are the property of their respective owners and hereby acknowledged.

Feedback

For feedback and suggestions please send an email to the following e-mail address: *PRISMAproductionEnfocusSupport@cpp.canon*.

Reporting issues

Issues can be reported via your local Canon sales organization.

Edition 2026-05

Software version V2.0

EN

About this guide

This guide is written for worldwide markets. It may contain information related to accessories or licensed functionalities not supported by your local Canon organization or dealer.

Language

Original instructions are in English.

Typography

This manual uses the following typography to indicate elements that are part of the user interface.

Typography	Indicates
[Text between square brackets]	Name of a button, tile, setting, value, or other option of the user interface
<Text between angle brackets>	• Name of a key on a keyboard • Name of a variable: item that varies according to the context
`Text displayed in courier font`	• File path • Command Prompt comment
[Text] →[displayed in] →[menucascade]	Names of options to be used in a fixed order

Target Groups

This manual is intended for users who want to remotely print JDF/JMF job tickets from Enfocus Switch to PRISMAproduction.

Notes for the reader

Symbols

This manual uses the following symbols to indicate requirements, restrictions and clarifications.

Symbol	Type of symbol	Indicates
	**IMPORTANT**	Indicates an operational requirement or restriction. Read these items carefully.
	**NOTE**	Indicates a clarification of an operation or contains additional explanations for a procedure. Reading these notes is highly recommended.

Introduction to PRISMAproduction app bundle for Enfocus Switch

Introduction

The PRISMAproduction app bundle for Enfocus Switch consists of three different apps with the following functionalities:

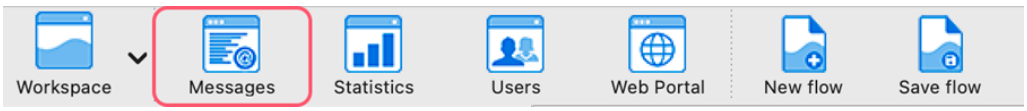
Component	Function
PRISMAproduction submit app on page 6	• Send JDF/JMF and full MIME job tickets to PRISMAproduction. • Create JDF/PDF and OCT/PDF tickets in PRISMAproduction hot folders. • Forward (passthrough) ready-made JDF job tickets to the spool, or to a folder in the Enfocus Switch workflow.
PRISMAproduction status app on page 16	• Monitor the status of a PRISMAproduction server. • Monitor JDF/JMF job tickets sent by [PRISMAproduction submit app] to PRISMAproduction. NOTE Monitoring job tickets can only be used in conjunction with [PRISMAproduction submit app] and when the submit app uses the options ending in: 'to PRISMAproduction'. [PRISMAproduction status app] reads the QueueEntryID from the PDF job in Enfocus Switch and checks the status repetitively at a set interval.
PRISMAproduction resources app on page 19	• Link all available resources (media, colors, etc.) to an Enfocus Switch job in Private Data Keys. • Pre-select media and send it along as a dataset. This set is automatically linked in [PRISMAproduction submit app].

The usage of the apps is explained in two demo workflows:

- *PRISMAproduction Example Flow with Checkpoint* on page 25
- *PRISMAproduction Example Flow with Submit point* on page 29

PRISMAproduction app bundle for Enfocus Switch Messages

All notifications (informative/warnings/errors) are sent to Enfocus Switch logging (called Messages, button at the top left of the Enfocus Switch Designer).



[PRISMAproduction submit app]

Introduction

Prerequisites

The following prerequisites must be fulfilled to work with the app:

- Basic knowledge of PRISMAproduction.
- Thorough knowledge of Enfocus Switch and how to set up a workflow.
- A server with Enfocus Switch 2021 Fall (macOS/Windows). The minimum requirements for installing Enfocus Switch can be found on the Enfocus website: *https://www.enfocus.com/en/support/system-requirements/switch-system-requirements*.
- A direct network connection between the Enfocus Switch and PRISMAproduction server (or VPN/secure connection).

Job submission

- Single file jobs:
  The PRISMAproduction submit app is primarily designed to process single-file jobs (PDF only). PDF files can be provided with an attached dataset or private data to dynamically adjust the print properties.
- Multi file jobs:
  The submit app can send a batch of jobs as one print job to PRISMAproduction. For example a folder containing multiple PDF files.

The following applies, when submitting jobs:

- Each file has its own quantity and is arranged in ascending order by the number prefix.
- The jobs must be part of a submitted folder or a created job folder (Assemble job).
  The job name will be taken from the folder or Assemble job settings (Job folder name), by default.
- The file name must have a specific format; otherwise, the jobs will be ignored as a batch.
  File format: `<order sequence>-<jobname>_qty<copies>.pdf`.

NOTE
The order sequence is optional. It can be set to generate the correct print order if necessary.

Example:

```
001-CustomBanner_qty1.pdf
002-Section1_qty3.pdf
003-Dividersheet_qty1.pdf
004-Section2_qty15.pdf
005-Dividersheet_qty1.pdf
006-Section3_qty7.pdf
```

NOTE

- All batch PDF files will be treated as one job on the PRISMAproduction server. Therefore, print options will be applied to the entire batch job, not to the individual jobs.
- If multiple media are used: The page count of each file can differ and page ranges will not be applied correctly.

PRISMAproduction JMF URL

By default, the PRISMAproduction JMF URL is configured to a domain name or IP address, with `/prismapro/jmf/controller` after it, or when authentication is used: `/prismapro/jmf-auth/controller`.

Examples without and with authentication:
- http://0.0.0.0/prismapro/jmf/controller
- http://prismaserver.local/prismapro/jmf/controller
- http://user:password@0.0.0.0/prismapro/jmf-auth/controller
- http://user:password@prismaserver.local/prismapro/jmf-auth/controller

Or when PRISMAproduction is configured on a different port:
- http://0.0.0.0:8080/prismapro/jmf/controller

Once you fill in the required field, it is checked if the server is available. If the server is not available, the field will turn red. It is important to note that the Enfocus Switch workflow will not begin until a connection has been established with the PRISMAproduction server.

It is possible to use HTTPS, or secure SSL communication between Enfocus Switch and PRISMAproduction. When the PRISMAproduction JMF url starts with 'https', a new property appears: *Server SSL Certificate*.

Server SSL Certificate

The SSL certificate used on the PRISMAproduction server is self-signed and needs to be downloaded and placed on the Enfocus Switch Server. You can use this property to specify the location of the PRISMAproduction CA certificate, which will enable a secure connection to be established.

PRISMAproduction response timeout

A timeout may occur when sending large files to PRISMAproduction over a slow network connection (for example VPN). This results in a timeout error, but the job will still be sent to the PRISMAproduction queue. Set the response time higher than 2 minutes when receiving timeouts.

JDF submission methods

The following methods can be used:

Method	Description
MIME package to PRISMAproduction	This is the default setting. A MIME packet consisting of JMF/JDF/PDF is sent to PRISMAproduction via HTTP. When this is successful, a QueueEntryID is attached to the PDF so [PRISMAproduction status app] can monitor the job.
Existing MIME to PRISMAproduction	A MIME file generated with [PRISMAproduction submit app] can be resubmitted using this option. The job is validated on the file extension and will only process `*.mjm` files.

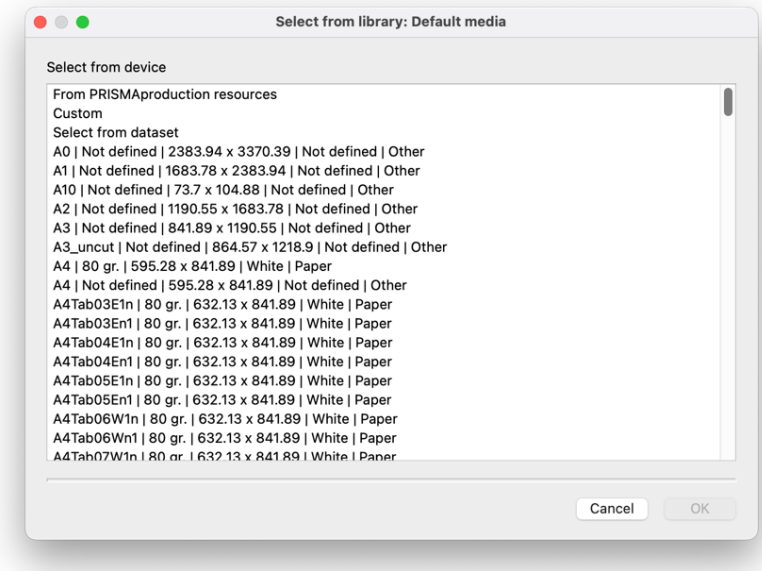
Method	Description
Existing JDF to PRISMAproduction (Pass-through)	Within the [PRISMAproduction submit app], there is an option to send an existing JDF file to a PRISMAproduction server. The JDF file is sent via JMF to the PRISMAproduction device in a MIME package (JMF+JDF). The JDF file is checked for two things: • It must be a JDF file (MIME: application/xml) • The XML root must contain JDF (written in uppercase letters)  NOTE The JDF settings are not validated!
JDF with URL to PDF to PRISMAproduction	In addition to embedding a PDF resource in a full MIME package, there is also the option to link to the PDF resource via an HTTP(s) link. The job is sent as a MIME package (JMF+JDF). The PDF file is retrieved separately by the PRISMAproduction server.
JDF with URL to PDF for workflow	[PRISMAproduction submit app] can also create a standalone JDF ticket in which the link to the PDF source is embedded via an HTTP(s) link. This JDF can be sent via another [PRISMAproduction submit app] (Existing JDF option) in the workflow. The output is a file with a JDF extension. This option can be used to build a JDF library with Enfocus Switch, or to reuse the JDF if needed.
JDF and PDF for hot folder	This option generates a JDF ticket with PDF and places it in a predefined hot folder of PRISMAproduction. The output goes directly to the hot folder to honor the correct order of placement. PRISMAproduction will pick up and process the ticket with the PDF, without issuing a response to Enfocus Switch.  NOTE This option does not work with [PRISMAproduction status app]. See *Prepare the PRISMAproduction server* on page 13 -> Configure PRISMAproduction HotDir for access by the [PRISMAproduction submit app].
OCT and PDF for hot folder	This option generates an OCT ticket with a PDF and places it in a predefined hot folder of PRISMAproduction. The output goes directly to the hot folder to honor the correct order of placement. PRISMAproduction will pick up and process the ticket with the PDF, without issuing a response to Enfocus Switch.  NOTE This option does not work with [PRISMAproduction status app]. See *Prepare the PRISMAproduction server* on page 13 -> Configure PRISMAproduction HotDir for access by the [PRISMAproduction submit app].

Method	Description
Hot folder	The hot folder property appears as soon as one of the options 'JDF and PDF for hot folder' or 'OCT and PDF for hot folder' is chosen in the list of JDF submission methods. This is a mandatory field and must refer to the correct hot folder on the PRISMAproduction server. This property has an option to select a physical folder or to dynamically fill it with values from variables. See *Prepare the PRISMAproduction server* on page 13 -> Configure PRISMAproduction HotDir for access by the [PRISMAproduction submit app] -> Share the HotDir folder, for examples on how to share the HotDir folder.
Job name	For the job name, the file name of the PDF is used by default. The job name can be changed or supplemented with variables from a dataset as desired.
User name	The user name will be used to set the 'Job owner' in PRISMAproduction. If left at 'None', the default PRISMAproduction JDF user will be used.
Order ID	The customer order to which the job belongs. Can be used to display the customer order number or any other relevant information.
Job ID	Used to recognize the job when it is not sent via JMF and the QueueEntryID is unknown.
Operator instruction	Send an instruction to the PRISMAproduction operator. The instruction can be filled with plain text or with variables from a dataset.
Due date	Print due date. PRISMAproduction will flag the job when the due date is reached. **Must be ISO8601 with time zone notation! (i.e. 2023-12-24T10:00:00+01:00)**, or a number from 1 to 99. It's also possible to select a number from 1 to 10 from the 'Select from library' option. When entering a number from 1 to 99 or selecting a number from the library, this number represents the number of days from today. If you, for example, choose or enter 4, the Due date will be 4 days from now.
Destination	The target printer or printer pool in PRISMAproduction. It is possible to select or to manually define a printer or printer pool and send this choice to PRISMAproduction. NOTE If PRISMAproduction runs in [Planning Mode], the destination is mandatory for all JDF submission methods.

Method	Description
Job queue	The job queue is one of the destination queues or, if no destination is selected, it is one of the systems queues. It is possible to select a job queue and send this choice to PRISMAproduction. If no location is chosen, the default queues are presented.  NOTE If no destination is defined, the queue list contains all queues from the system printer.  NOTE If the queue is entered manually, please use the number of the queue (for example: 1, 3, 5) without trailing zeros.  NOTE If PRISMAproduction runs in [Planning Mode], the job queue selection is only mandatory if hot folder is used with OCT and PDF as JDF submission method. For all other choices, job queue selection is optional.
Collate	This option controls the order in which the individual pages of a PDF are printed. The default value leaves the settings to PRISMAproduction. 'None' and 'SheetSetAndJob' can be selected via the inline value. Default => Unspecified, use PRISMAproduction default None => Page copies SheetSetAndJob => Job copies
Color output	Sets the color in which the document should be printed. When DeviceCMYK is chosen, a Black/White printer cannot be selected in PRISMAproduction.
Sides to print	Define the sides to print for the default media. The sides to print setting will be applied to the whole document. Dimension of the media is defined by "X Y", where X is the width (horizontal edge) and Y the height (vertical edge) of the media. • FlipX means that the sheet tumbles over the X-axis • FlipY means that the sheet tumbles over the Y-axis The options are • OneSidedFront (Simplex) • TwoSided FlipY (Duplex) • TwoSidedFlipX (Tumble Duplex)
Printer setup	Printer setup for IPDS devices refers to a setup configured in PRISMAproduction. This option is only available for OCT and PDF for hot folder.  NOTE If needed in JDF, this could be done with a custom converter in PRISMAproduction and the correct settings in a custom field (see 'Custom fields' below).

Method	Description
PDC set name	When PDC (Professional Document Composer) has to be used, it is possible to refer to a PDC set name with this property.  NOTE If needed in JDF, this could be done with a custom converter in PRISMAproduction and the correct settings in a custom field (see 'Custom fields' below).

Custom fields	Custom fields are used to trigger a custom JDF ticket converter and/or to pass additional parameters to a custom JDF ticket converter in PRISMAproduction. Every custom field is presented in the JDF root with a GeneralID component with IDUsage as the key and IDValue as the value.
	Custom field notation must be **key=value** on each line in the multi-line editor, or multi-line editor with variables.
	Example:
	`PDCSetName=ValueOfThePDCSet`
	`PrinterSetup=ValueOfTheSetup`
	You can add as many custom fields as needed.

Method	Description
Default media	Media can be selected from a library or configured with custom values. When selecting from a library, a list of all available media configured in PRISMAproduction is presented. Media is displayed in a divided list: In tray / Not in tray. Showing media that's currently in one of the devices' trays. Each media list can be filtered by using the field: Default media search criteria. This field acts as a search field for the media list, showing only the results based on the input. Options: • From [PRISMAproduction resources app]: when using the app with the option: pre-select media. • Custom: a set of custom properties will appear and must be configured manually. • Select from dataset: A property where the dataset can be selected that contains a string defined exactly like the presented library: Name | Grammage | Width x Height | Color | Type | Setcount • Or select a preconfigured media from PRISMAproduction.  NOTE If no destination is defined, the media list will be reset to the full media list.
Use PDF dimensions for width and height (only applicable for Default media)	When setting this property to 'Yes', the PDF dimensions will be used, instead of the Media dimensions configured in PRISMAproduction.

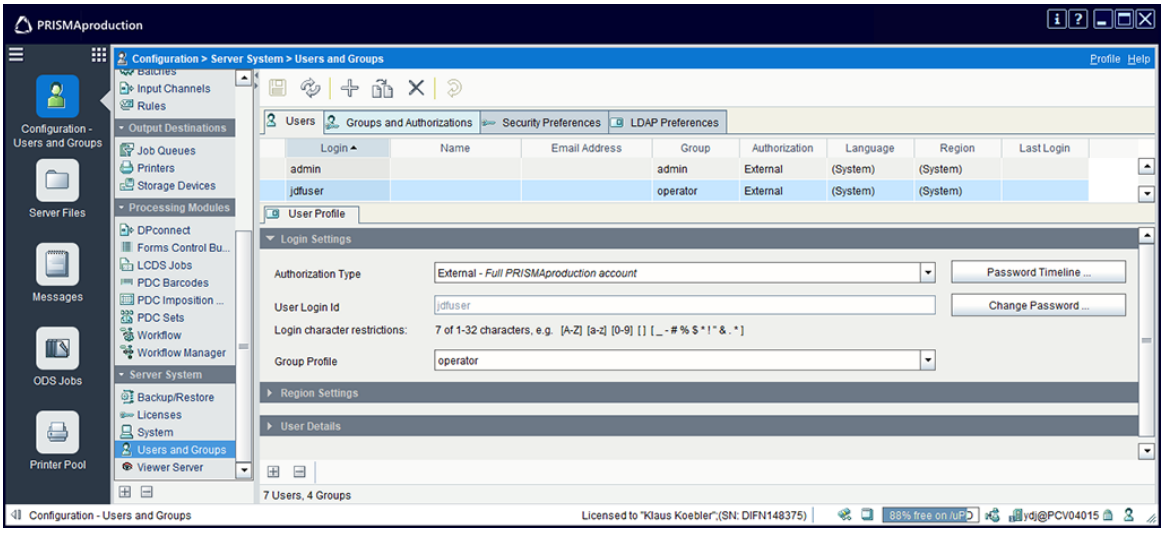
Method	Description
Second, third and fourth media	See 'Default media' above for media choice and filtering. Define the page range for the second/third/fourth media. Page ranges can have the following definition: • Single pages: 1,4,8,-2,-1 (-1 is the last page) • Page range: 1~2, -2~-1 (-2 is the second last page) • Combination: 1~4,6,8,10,12~16,-4~-1 NOTE • Page ranges must not overlap. • Page ranges do not apply when submitting a job folder with multiple PDF files.

Prepare the PRISMAproduction server

Configure PRISMAproduction for JMF anonymous access

If not defined already: Create a user with the "jdfuser" [User Login Id] in the PRISMAproduction [Configuration]→[Users and Groups] application, to allow anonymous access to the PRISMAproduction JMF controller. The JMF controller will process messages sent by the PRISMAproduction app bundle for Enfocus Switch with the authorizations of the user "jdfuser".

For more details on the [Users and Groups] app, see the PRISMAproduction Administration guide.



NOTE
It is not necessary to configure the password on the Switch server. No authentication is needed for the default "jdfuser".
See PRISMAproduction Technical Reference Manual, JMF Controller -> JMF Controller - Mapping, sections "Introduction" and "Authentication" for more information.

Configure PRISMAproduction HotDir for access by the [PRISMAproduction submit app]

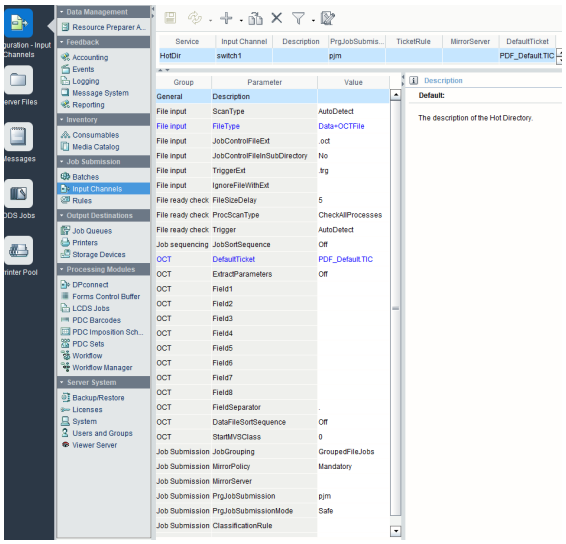
This step is only necessary if you select one of the two HotDir-related submission methods with the [PRISMAproduction submit app] ("JDF and PDF for HotDir" and "OCT and PDF for HotDir").

See PRISMAproduction Input Module Guide, Input Channels -> topics "HotDir" and "Hotdir for JMF Job Submission" for more information.

1. In PRISMAproduction navigate to [Configuration]→[Input Channels].
2. Configure the HotDir for one of the following submission methods:

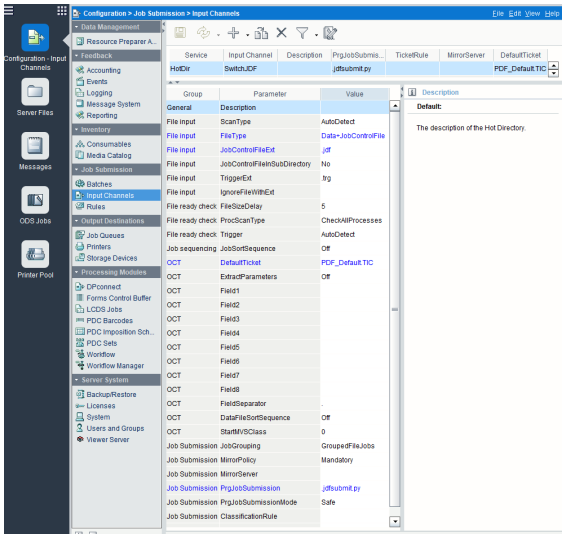
OCT and PDF for HotDir

1. For the parameter FileType select the value `Data+OCTFile`
2. For the parameter DefaultTicket select a default ticket of your choice.
   See PRISMAproduction Input Module Guide, Input Channels -> Input Channels: Overview -> Default Job Ticket, on how to create a default ticket.



JDF and PDF for HotDir

1. For the parameter FileType select the value `Data+JobControlFile`
2. For the parameter JobControlFileExt set the value to `.jdf`.
3. For the parameter PrgJobSubmission select the value `.jdfsubmit.py`.
4. For the parameter DefaultTicket select a default ticket of your choice.
   See PRISMAproduction Input Module Guide, Input Channels -> Input Channels: Overview -> Default Job Ticket, on how to create a default ticket.



3. Share the HotDir folder
   There are multiple ways to share the HotDir folder.

NOTE

Refer to your IT policy and the manual of your operating system.

Two examples on how to share the HotDir folder:

Example 1: Share a folder on the Switch server and mount it on the PRISMAproduction server.

1. Mount the shared folder under `/u/hotdir/<input channel name>`.
2. Configure the mount point:
   - In `/etc/fstab`
   - If shared with SMB protocol: `Cfr mount`, `fstab`, `mount.cifs`
   - If shared with NFS protocol: `mount.nfs`

   Fore help on the different commands read the manual pages with `man <command>`.
3. In the [PRISMAproduction submit app] specify the local path to the shared folder as HotDir path (See *PRISMAproduction submit app* on page 6 -> JDF submission methods -> Hot folder).

Example 2: Share the Linux HotDir folder using the Samba server and access it remotely from the Switch server.

(Requires SMB sharing and the Switch server installed on Windows)

1. In the Samba server configuration: Add the folder `/u/hotdir` or `/u/hotdir/<input channel name>` to the shares. For example with Yast2: [System]→[Samba Server]→[Shares].
   Check that the Samba server is configured to start on boot.
2. Create a dedicated Linux user for share access.
   For example with Yast2: [Security and Users]→[User and Group Management], or the command `useradd`.
   Or use an already existing Linux user.
3. Create a Samba-specific password for the dedicated user with the command `smbpasswd`
4. On the Switch server:
   1. Login with the User ID under which Switch is running
   2. Map a network drive to the shared folder
      Use the above created credentials: Linux user, smb password (not the Linux password)
   3. In the [PRISMAproduction submit app] in the Hot folder property insert the UNC path to the shared folder `\\server\path` (not the mapped drive letter `X:\...`).

[PRISMAproduction status app]

Introduction

The [PRISMAproduction status app] allows you to monitor the status of the PRISMAproduction server or of the JDF/JMF job ticket.

PRISMAproduction status check

Depending on the status of the server, the Enfocus Switch job will follow an outgoing connection.

NOTE
There are no properties for this option, it checks the server status on any incoming job.

Job status

The job status check option will monitor the status of the job by its unique QueueEntryID received from the PRISMAproduction server after JMF submission.

Suggestions:
- Check if the job is actually printed and not only submitted.
- If a job is aborted by the operator, send an email or any other message to a manager or a person in charge.

Settings	Description
Check interval	The interval time for checking the job status (default is 30 seconds). An interval of 3 seconds or lower will add a warning in the messages log. For high volumes of jobs please use an interval of 5 minutes or higher.
QueueEntryID	The QueueEntryID is used to check the status of that specific job. Automatic is in most cases the best option. The status app will automatically get the QueueEntryID from the PDF file in the Enfocus Switch workflow. It is possible to retrieve the QueueEntryID after submission from the PrivateData of the job.
JobID	When a job is submitted with [PRISMAproduction submit app] to a hot folder (JDF+PDF or OCT+PDF), there is no QueueEntryID. But there is a JobID that is automatically created and attached to the job by [PRISMAproduction submit app]. [PRISMAproduction status app] can then filter on the JobID and will try this until the job has a QueueEntryID. When a QueueEntryID is found, the job will then be monitored on this QueueEntryID.
Tries for JobID filter	Defines the number of times, [PRISMAproduction status app] will try to find the QueueEntryID, filtered by JobID. The default is 5. After 5 tries, the job will be sent to the Error connection. You can adjust this number when your PRISMAproduction hot folder scanning needs more time, or the check interval of this app is very low.

Settings	Description
Release status	There are two choices for the release status: • **Running** The job is in printing state. This status is tricky when smaller jobs are printed, and the check interval is quite long. The chances of missing this status are very high. The app will always release a job when it reaches the 'Completed' status. • **Completed** The job is fully printed and sent to the outgoing connection.  NOTE When a job is aborted, it will always go to the Data Error outgoing connection!
Remove job when done	Jobs can be automatically removed from the PRISMAproduction queue after being 'Aborted' or 'Completed'. The default is 'No'.  NOTE If you wish to monitor multiple statuses, you must add multiple instances of the [PRISMAproduction status app] in your workflow.

Device status

The device status check monitors the status of the specified device. The job will continue to the success connection, when the device status is OK or Offline. When the device is halted or waiting, the job will continue to the warning connection. When the device fails, the job will continue to the error connection.

Device

Select a device from the library or define it manually.

The table below shows the possible combinations of the device, connection and backend states:

Device Info	Outgoing Connection	Native Backend Status
OK	Data Success	Online, idle, started, preparation, printing, prtdrain, prthalt, draining
NeedsAttention	Data Warning	Halted, waiting (setup), message (stopped), not ready, license
Failure	Data Error	Defect
Offline	Data Success	Offline, inactive

Change job queue

A job can be routed to another queue or even to a different device/queue by selecting this option. This is particularly useful for having more control from Switch over which jobs should be printed. [PRISMAproduction submit app] first sends jobs to an inactive queue, after which they can be routed to the print queue using a Switch Checkpoint.

Status check	Change job queue
QueueEntryID	Automatic
Destination	None
Job queue	Production Queue | 001

NOTE
Only jobs that aren't printed yet and have a QueueEntriyID can be routed to a different device or queue.

[PRISMAproduction resources app]

Introduction

The PRISMAproduction resources app can be used together with a Checkpoint flow element to select job settings interactively. These job settings can be retrieved by JMF from the PRISMAproduction server and are stored in the job that goes through Enfocus Switch. All resources are attached to the job in Private Data Keys. Pre-selected media will be available in a dataset attached to the job.

There are four choices for resources:

- Attach resources
- Pre-select media
- Map media
- Export resources as CSV

Attach resources

This option will attach all available resources t o a job in to Private Data Keys. As of version 2 all resources are also attached as dataset, each dataset having the same name as the private data key.

The following PrivateData Keys are available when a job passes the [PRISMAproduction resources app]:

- PRISMAdestination: Available printers / printer pool
- PRISMAjobqueue: Available system or printer queues
- PRISMAmedia: All available configured media options
- PRISMAcolor: Color or B/W choices
- PRISMAsides: Sides to print

Example of using a PrivateData Key for a variable in an Enfocus Switch flow:

```
[Job.PrivateData:Key="PRISMAmedia"]
```

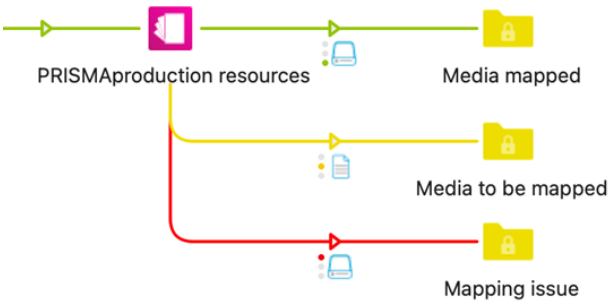
NOTE
These Private Data Keys will always be available on all jobs passing this app.

Pre-select media

A pre-selection of media can be configured , so the [PRISMAproduction submit app] can automatically inherit the media selection . Selecting media works the same as the media in the [PRISMAproduction submit app] (see *PRISMAproduction submit app* on page 6-> JDF submission methods -> Custom fields).

Map media

The media matching mode enables the PRISMAproduction media catalog entries to be mapped with external media definitions. Typical use case is to map media attributes coming from different sources (like MIS/Portal/etc) to a media entry of the PRISMAproduction media catalog. When the media is successfully mapped, the media mapping can be used in any flow when this resource app setting is used.



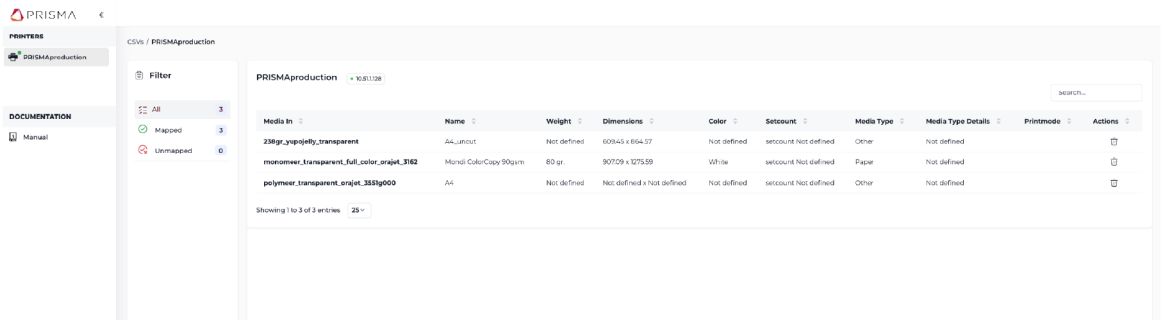
NOTE
When the flow is stopped, it takes a few minutes to be able to start it again when the map media option is used.

Output level	Mapping status	Job type
Success	Media is mapped successfully	Data
Warning	Media needs to be mapped	Log
Error	A mapping issue occurred	Data

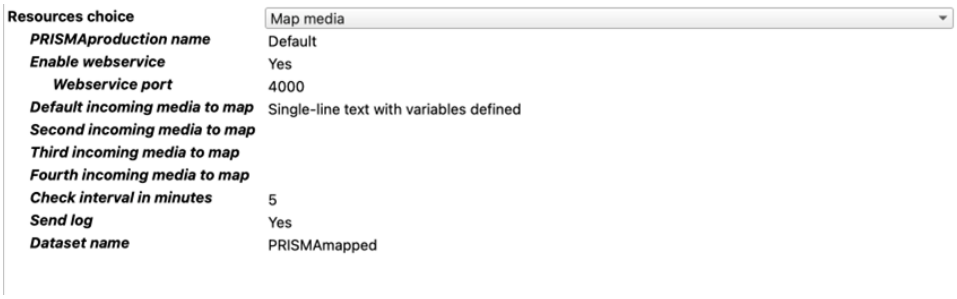
Examples of media attributes to match:

- Media name
- ProductID
  Often used in MIS/Workflow systems or Web-2-Print shops.

Example of a mapping table with ProductIDs as the external attributes to match:



Match media settings:



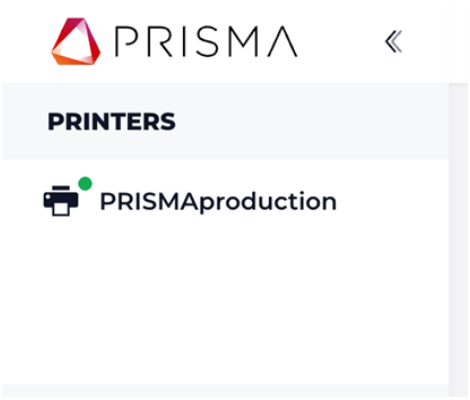
Settings	Description
[PRISMAproduction name]	Set to "Default" if there is only one PRISMAproduction server available. This creates the webservice entry: PRISMAproduction If multiple PRISMAproduction servers are available, enter a unique name for each server. The name will be used in the webservice to determine which media is mapped to which PRISMAproduction server It is recommended to have only one webservice enabled for all PRISMAproduction servers in a single workflow. Example: *Instance 1:* [Resources choice]: `Map media`, [PRISMAproduction name]: `Default`, [Enable webservice] set to `Yes`, [Webservice port] `4000`. *Instance 2:* [Resources choice]: `Map media`, [PRISMAproduction name]: `PRISMAproduction 2`, [Enable webservice] set to `No`. *Instance 3:* [Resources choice]: `Map media`, [PRISMAproduction name]: `PRISMAproduction 3`, [Enable webservice] set to `No`. NOTE • Every other workflow that uses `Map media` should be configured with [Enable webservice] set to `No`. • Check that the correct [PRISMAproduction name] is set. Mapping is based on the PRISMAproduction server name.
[Enable webservice] [Webservice port]	The webservice must be enabled to add a media mapping entry to the mapping table when an unknown media attribute is entered into the flow. When enabled and the flow is started, the webservice can be accessed by opening the translation web page via the link: `http://<IP-address Switch server>:4000`

Settings	Description
• [Default incoming media to map] • [Second incoming media to map] • [Third incoming media to map] • [Fourth incoming media to map]	Select a media attribute you want to use to map a media entry in the PRISMAproduction media catalog using a variable or script expression. • When the media attribute is already mapped, a dataset is added to the job. • When it is not mapped, an XML file is created and put in the warning output folder. The original job stays in the folder before the resources app until the media mapping procedure has been finished. Every check interval, the mapping table is checked.
[Check interval in minutes]	Incoming jobs with media that are not mapped yet will be added to the waiting queue. This queue will be checked every `x` minutes (default is 5 minutes). When a media is mapped, this media will be attached to the job as a dataset, and the job will be released.
[Send log]	When a new media is added to the list, a message is sent via the log warning connection. It informs users that a new media needs to be mapped
[Dataset name]	The PRISMAproduction catalog values are attached as an XML dataset when a media is mapped. By default, the dataset is named PRISMAmapped.

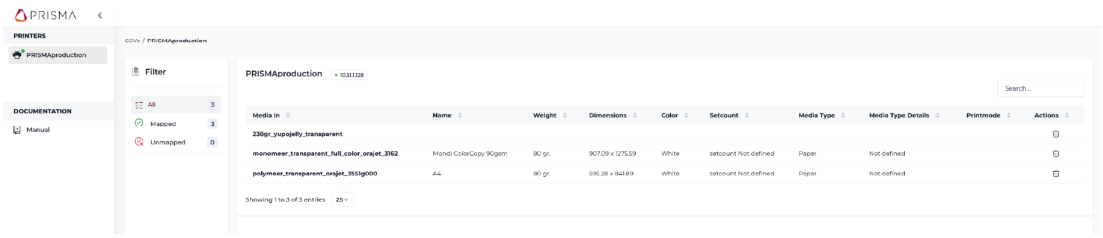
Media mapping

When media is not mapped, proceed as follows for mapping:

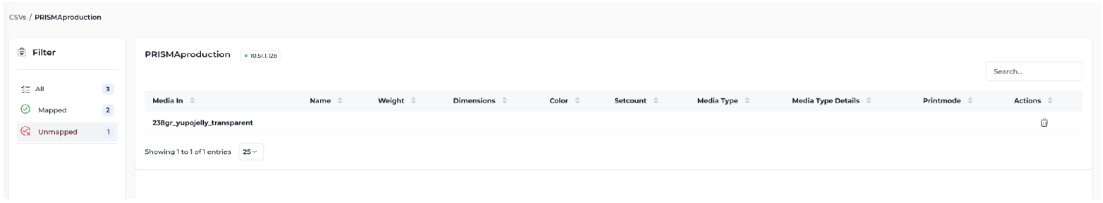
1. Open the mapping webpage: `http://<IP-address Switch server>:4000`
2. In the side menu: Click on the printer for which the media should be mapped.



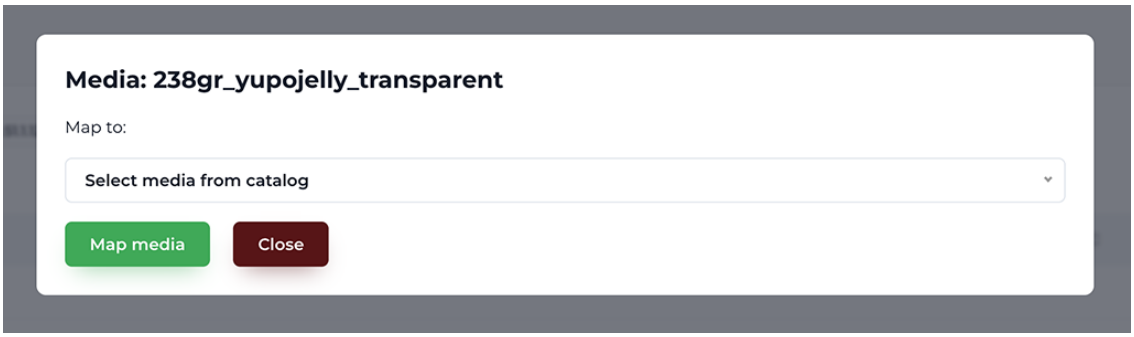
3. There are two ways to check for unmapped media:
   - Select the filter tab [All]:
     Media with no values displayed in the table are unmapped.



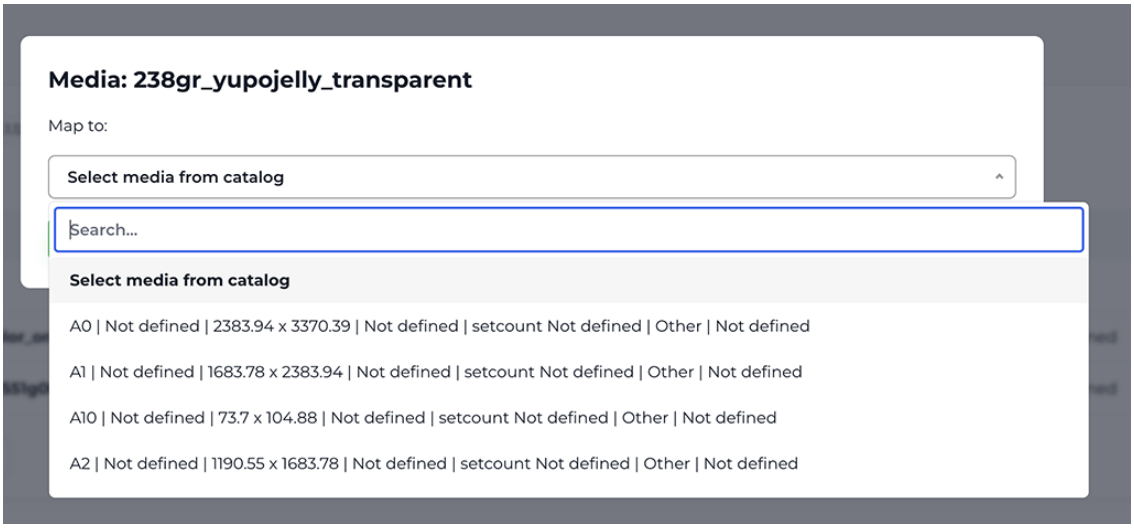
- Select the filter tab [Unmapped]:
  All media listed in the table is unmapped.



4. Select the unmapped media in the table.
   The following dialog appears:



5. Select [Select media from catalog].
   All media of the catalog are displayed:



6. Select the media to match the attribute to be mapped.

Confirm with [Map media]. The popup [Success! Media mapped successfully!] is displayed, once the media has been mapped.

The mapping table is stored as a CSV file in the folder `<Application data root>\ScriptData\Canon\PRISMAproductionResources\Csv`.

IMPORTANT
CSV files must not be locked by other applications. If locked, the mapping table cannot be updated during the mapping process running in the background.
Editing the table manually may result in a corrupted CSV file and to the mapping application not responding.

Export resources as CSV

In the [PRISMAproduction resources app] in the Resources choice property the option [Export resources as CSV] can be activated. When the option is enabled, all resources are exported as CSV files when the app is started and with every check interval.

Output level	Mapping status	Job type
Success	CSV files are successfully exported	Log
Warning	Not used	-
Error	An export issue occurred	Data

Check interval

Add a log output from the resources app to a folder when [Export resources as CSV] is activated. Every interval, all resources will be exported as CSV files (default is 5 minutes). No incoming job is needed.

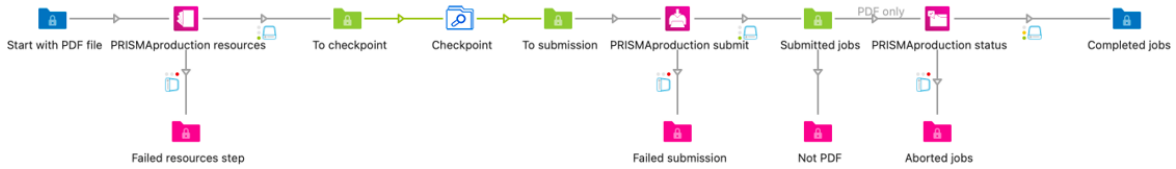
PRISMAproduction Example Flow with Checkpoint

Introduction

This flow demonstrates how to use the full PRISMAproduction app bundle in a workflow where user input is required. When a PDF file is copied to the workflow, all available resources from PRISMAproduction are attached to the job file. The Checkpoint has fields which depend on the Private Data Keys attached to the job file.

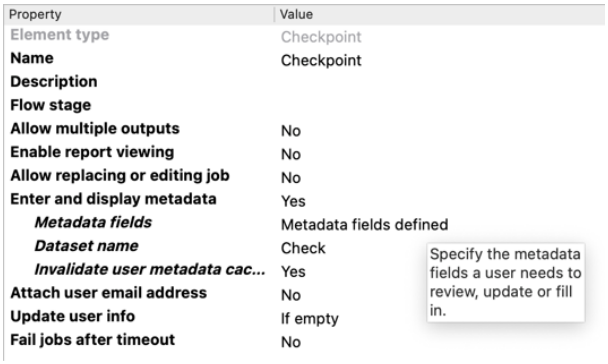
The user input determines how the JDF or OCT is created by the [PRISMAproduction submit app], based on the dataset that is created in the Checkpoint.

Workflow Layout

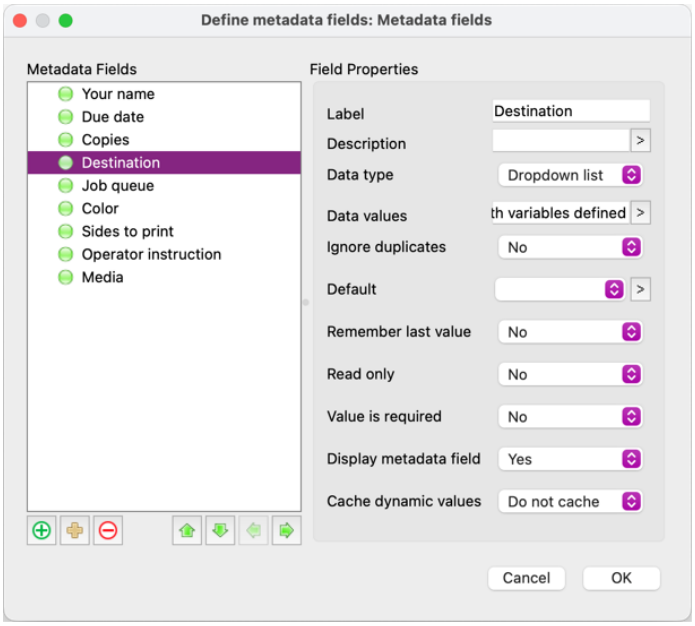


Checkpoint and Configuration

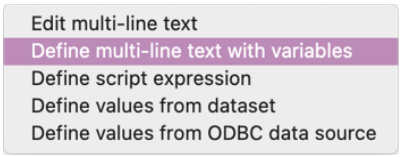
1. In the workflow click on the [Checkpoint] node to see the properties of this app in the [Property] pane:



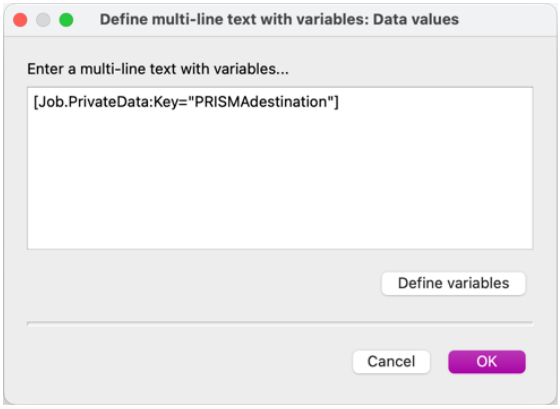
2. Set [Enter and display metadata] to [Yes] to add fields to a Checkpoint.
3. Change the [Dataset] name to any value you like (changing this name results in a full adjustment of all metadata fields in the Checkpoint).
4. Click on the [Metadata fields] defined, then click on [Destination]. Make sure the [Data type] is set to [Dropdown list].



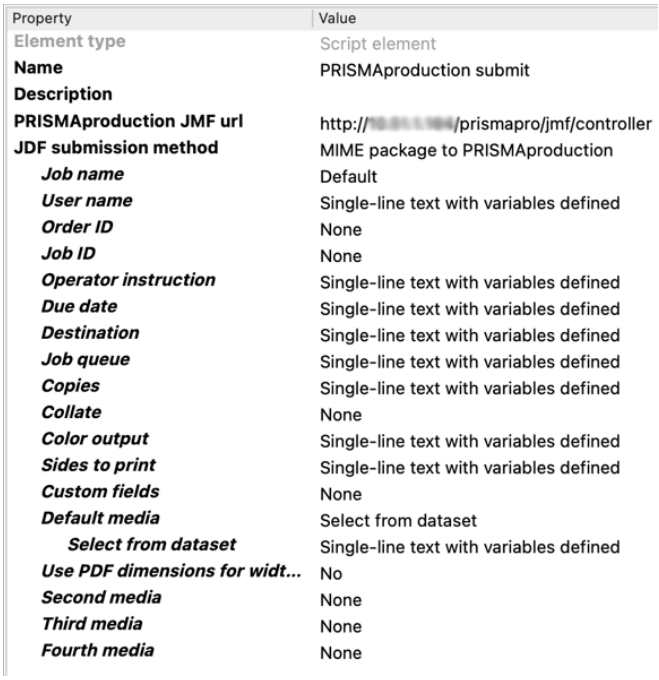
5. Click on the arrow next to the [Data values] and select [Define multi-line text with variables] from the context menu:



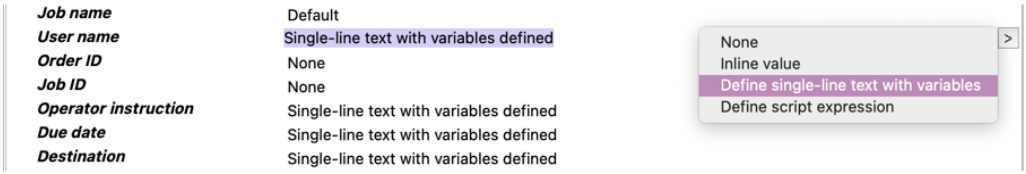
6. In following screen add the [Private Data key]:



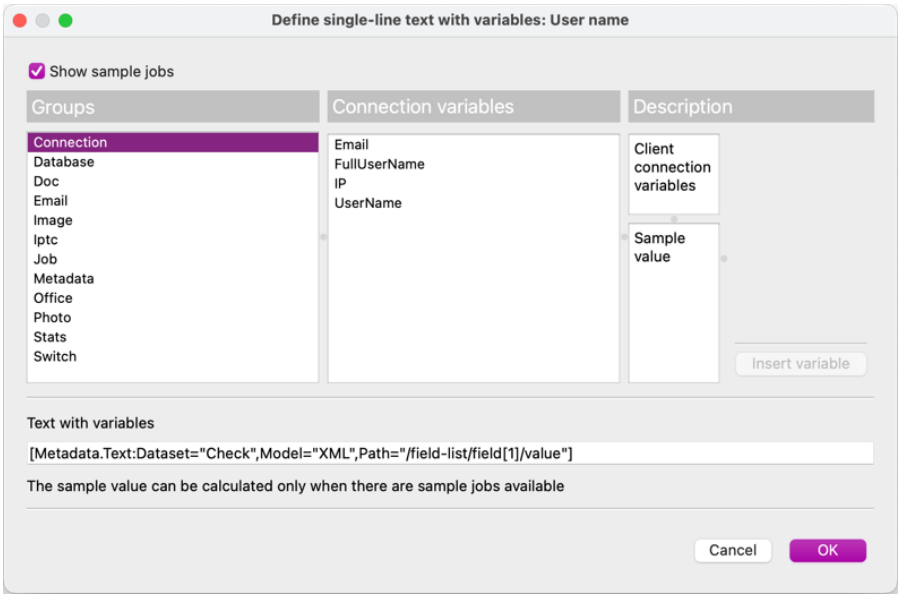
7. In the workflow, click on the [PRISMAproduction submit app] and go to the property pane. As you can see, most of the properties are assigned with [Single-line text] with variables defined:



8. Click on one of the properties and watch what it does (i.e. User name).
9. Click on the value for [User name] and select [Define single-line text with variables] from the context menu.



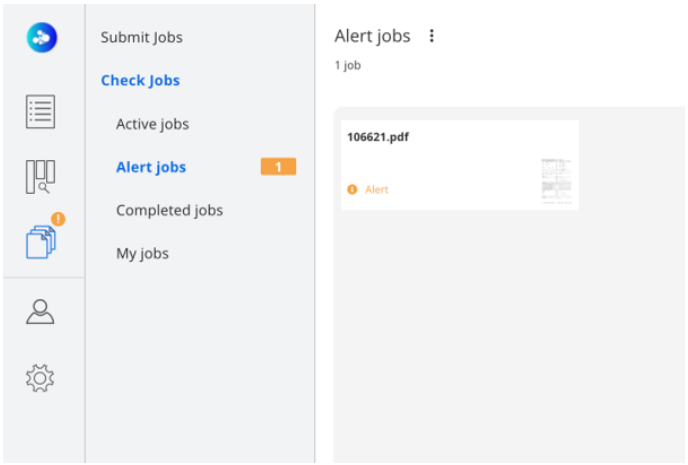
10. Here, the metadata is set to Dataset="Check". The path in the dataset is set to the username:



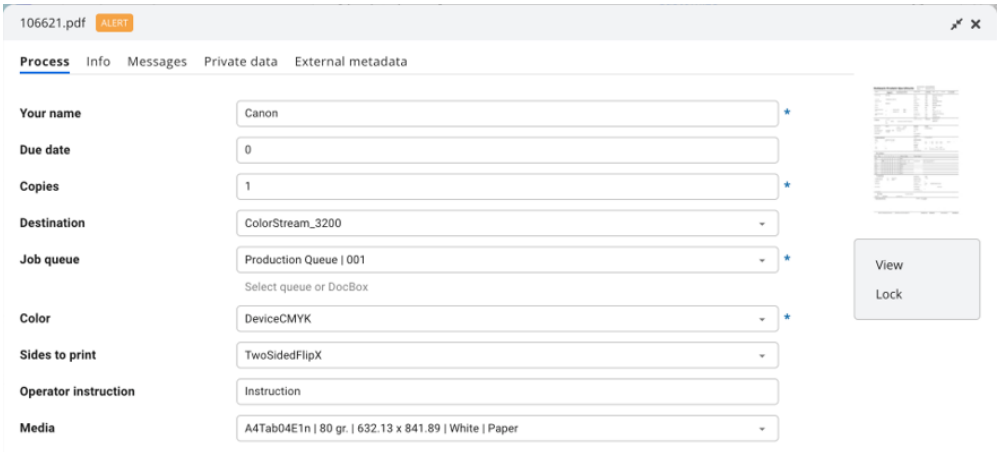
After the [PRISMAproduction submit app] submits the, in this case, MIME package to PRISMAproduction, the [PRISMAproduction status app] checks the job status. After that this flow is completed.

The Checkpoint

When a job is available in the Checkpoint, go to *http://<ip-address-enfocus>:51089* in your browser. In the icon bar on the left side click on the icon where the orange exclamation mark appears, go to [Alert jobs] and click on the job:



Now you can manipulate data that defines the job that is presented to PRISMAproduction:



After defining all the data, click the [Push] button in the lower right corner.

PRISMAproduction Example Flow with Submit point

Introduction

This flow demonstrates how to use the full PRISMAproduction app bundle in a workflow where the job can be onboarded by a submit point in your web browser.

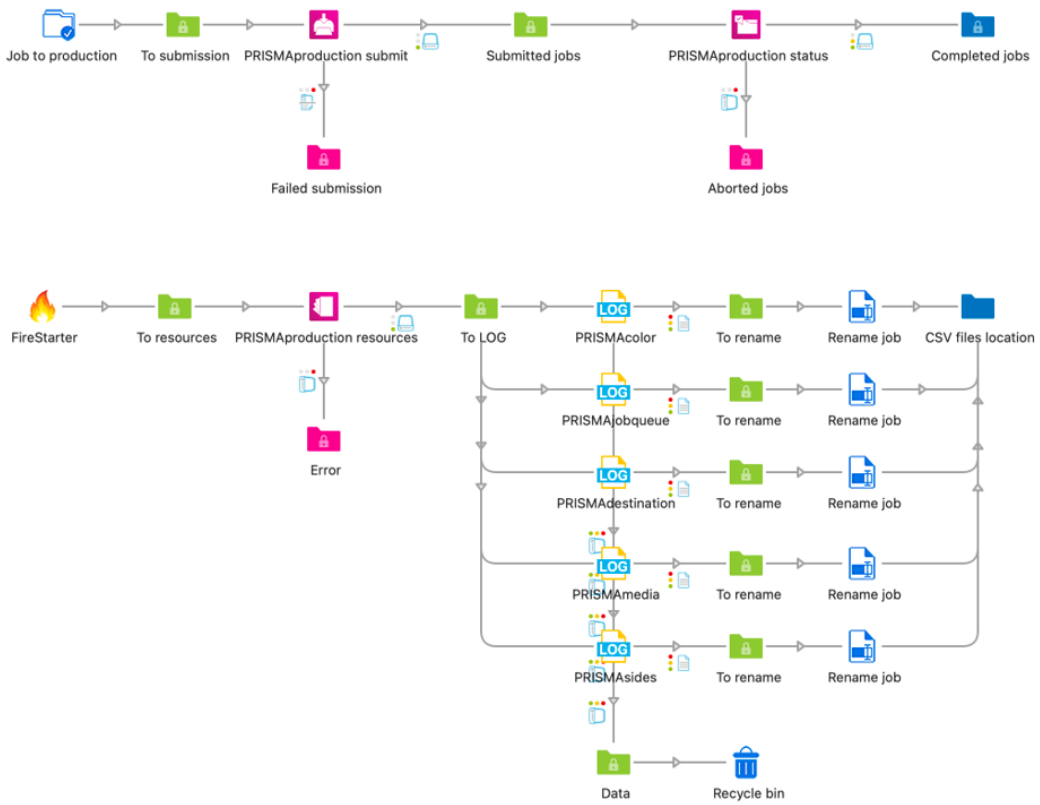
The user input determines how the JDF or OCT is created by the submit app, based on the dataset created in the submit point, and attached to the job file.

NOTE
You'll need the *Enfocus Switch Scripting Module* for this flow.

This flow uses two free apps:

- FileStarter: *https://www.enfocus.com/en/appstore/product/firestarter*
- Create log: *https://www.enfocus.com/en/appstore/product/create-log*

Workflow Layout



The lower part of the workflow is where all the resources are retrieved from PRISMAproduction, and stored as CSV files for the Submit point. This part runs every x hours/days to update the CSV files, so changes in PRISMAproduction will reflect in the Submit point.

Export Private Data Keys to CSV File

The first element in the lower part of the flow is FireStarter. This app creates a new dummy job within an interval. The interval can be set to 1 hour/day/week/month/year. Every time a job is created, the CSV files are refreshed with the latest resources from PRISMAproduction.

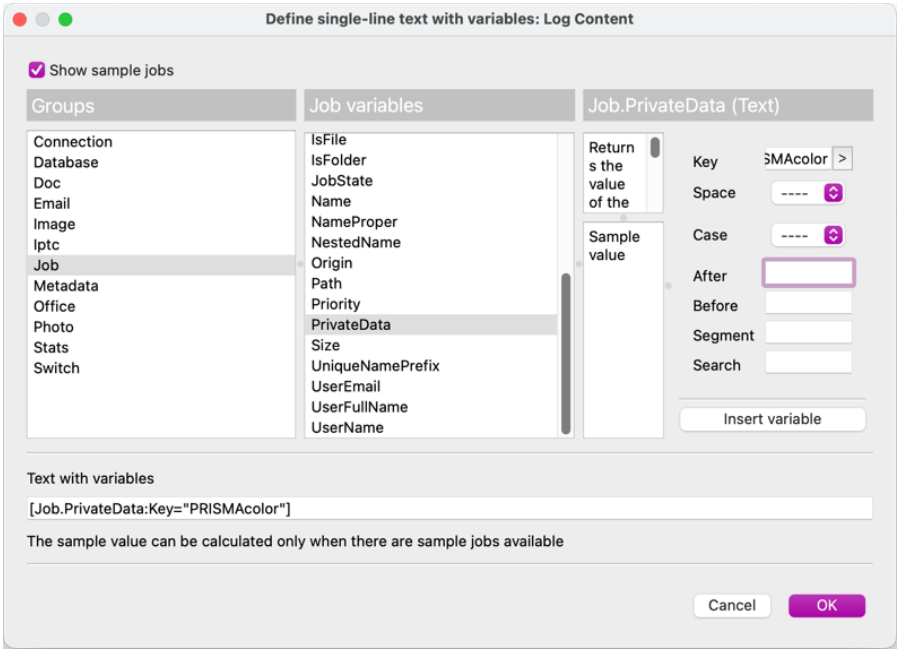
[Create log] can create a file from a dataset or a private data key. In this example we are creating a CSV file for every Private Data Key that is attached to the job with the [PRISMAproduction resources app].

Property	Value
Element type	Create log
Name	PRISMAcolor
Description	
Log type	Custom
Custom log type	csv
Log Content	Single-line text with variables defined
Encoding	utf8

[Log type] is set to [Custom], and the [Custom log type] to [csv].

[Log Content] is set to [Single-line text with variables defined]. If you click on this property and then the button on the right, select [Single-line text with variables] to open the configuration dialog.

The variable is the Private Data Key which is exported to csv.



After the export, rename the file with [Rename job] to, in this case, `PRISMAcolor.csv`.

Property	Value
Element type	Rename job
Name	Rename job
Description	
Affect job name for	All jobs
Remember original name	No
Files inside job folder	Leave alone
Action 1	Replace
Act on	Complete filename
Replace by	PRISMAcolor.csv
Action 2	None
Action 3	None
Action 4	None
Action 5	None

The output of the file must be sent to a manually selected folder on your system. Do not use an auto-managed folder, because the CSV files must be read in the [Submit point]. Make sure to overwrite the existing files.

Property	Value
Element type	Folder
Name	CSV files location
Description	
Path	/path/to/PRISMAproduction/demo-flows/csv-files
Safe move	Yes
Color	Blue
Strip unique name	Yes
Duplicates	Overwrite

[Submit Point] Configuration

Click on the Submit point in the upper part of the flow. The Submit property allows to submit Job and metadata. Only files are accepted as jobs. It is possible to define the file types. In this case, only PDF files can be added to the job.

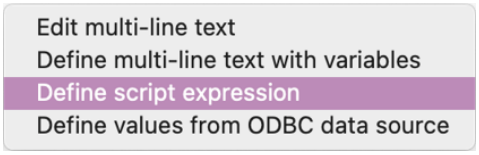
Property	Value
Element type	Submit Point
Name	Job to production
Description	Start a new PRISMAproduction job
Display name	Default
Display description	Start a new PRISMAproduction job
Thumbnail	None
Flow stage	
Attach hierarchy info	No
Attach user email address	No
Attach extra email info	
Submit	Job and metadata
Accept these jobs	Files only
File types	String list defined
Metadata fields	Metadata fields defined
Dataset name	Submit
Invalidate user metadata cac...	Yes
Invalidate metadata cache co...	None
Requires Switch Helper	No

Metadata Fields

Click on the [Metadata fields], and then on the button on the right. The Metadata dialog opens. Here the same settings for the [Checkpoint] as in *PRISMAproduction Example Flow with Checkpoint* on page 25 are used.

Now click on the Destination. This uses a drop-down list of printers which are saved in the CSV: "PRISMAdestination".

Go to [Data values] and click on the button on the right, choose [Define script expression]:



This opens the [Define script expression] dialog. The only code you'll need here is [File.read]. Make sure to check the [Legacy scripting] button.

Now we can submit jobs and use all the resources we need to attach to a job.

Start a new Job

1. Start the workflow.
2. Open *http://<ip-address-enfocus>:51089* and log in. Go to [Jobs] and then to [Submit Jobs]. The submit point [Job to production] will be available. Now drag/drop a PDF file on this submit point (or click the little blue button on the bottom left corner and select a PDF file).
3. Now the metadata fields appear, and all select boxes contain the values from [PRISMAproduction resources app].

Canon

Canon Inc.
canon.com

Canon U.S.A. Inc.
usa.canon.com

Canon Canada Inc.
canon.ca

Canon Europe Ltd.
canon-europe.com

Canon Latin America Inc.
cla.canon.com

Canon Australia Pty. Ltd.
canon.com.au

Canon China Co. Ltd.
canon.com.cn

Canon Singapore Pte. Ltd.
sg.canon

Canon Hongkong Co. Ltd.
hk.canon

Canon Production Printing Systems Inc.
cweb.canon.jp/eng/corporate

Canon Korea Inc.
kr.canon

© 2024, 2026 Canon Production Printing