



PRISMAproduction app bundle for Enfocus Switch

User guide



PRISMA

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PRISMAproductionEnfocusSupport@cpp.canon.

Introduction

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>	<ul style="list-style-type: none">Name of a key on a keyboardName of a variable: item that varies according to the context
Text displayed in courier font	<ul style="list-style-type: none">File pathCommand 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 in order to prevent damage to equipment, software, data, media, or property.
	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:

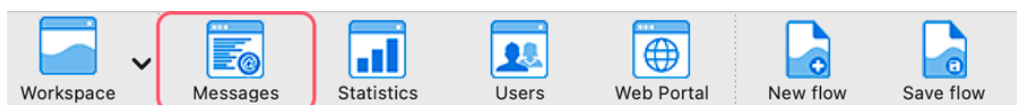
Component	Function
PRISMAproduction submit app on page 5	<ul style="list-style-type: none"> Send JDF/JMF and full MIME job tickets to PRISMAproduction. Create JDF/PDF and OCT/PDF tickets in PRISMAproduction hot folders. Forward (passthrough) ready-made JDF job tickets to the spool, or to a folder in the Enfocus Switch workflow.
PRISMAproduction status app on page 11	<ul style="list-style-type: none"> Monitor the status of a PRISMAproduction server. Monitor JDF/JMF job tickets sent by PRISMAproduction submit app to PRISMAproduction. <p> 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.</p>
PRISMAproduction resources app on page 13	<ul style="list-style-type: none"> 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 14](#)
- [PRISMAproduction Example Flow with Submit point on page 18](#)

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

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).

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`

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*.

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.

Server SSL Certificate

The Server SSL Certificate is the self-signed certificate used on the PRISMAproduction server. This certificate must be downloaded and placed on the Enfocus Switch Server. With this property, you point to the location of the PRISMAproduction CA certificate, so it can be used to create a secure connection:

1. To obtain the server certificate, please connect to the PRISMAproduction server with SSH, and go to the folder: `/u/prismapro/cfg/security`. In this folder, you'll find files with a `.pem` extension. The public certificate is the one that contains the certificate data needed for Enfocus Switch.
2. Copy the section between `-----BEGIN CERTIFICATE--` and `-----END CERTIFICATE--` after obtaining the certificate.
3. Paste the section into a text file on the Enfocus Switch server. There's no naming convention for the file. The extension used for certificates is usually `.pem`.
4. After creating the file, point the property '**Server SSL Certificate**' to this file.



NOTE

When using SSL, the PRISMAproduction JMF URL needs to point to the fully qualified server name and NOT to the IP Address. Use the following command on PRISMAproduction to get this name:

```
hostname -fqdn.
```

Make sure the fully qualified hostname is included in the DNS of the local network.

Certificate Example:

```
-----BEGIN CERTIFICATE-----
MIIDozCCAiOgAwIBAgIUlLnKMg/+0d6gv2j1jWwpijCpvTEwDQYJKoZIhvcNAQEL
BQAwRTELMAkGA1UEBhMCQVUxEzARBgNVBAgMC1NvbWUtU3RhdGUxITAfBgNVBAoM
GEludGVybmV0IFdpZGdpdHMgUHR5IEExOZDAeFw0yMzA3MTQwOTM0NDRaFw0yNDA3
MTMwOTM0NDRaMEUxCzAJBgNVDDJEIkFVMRMwEQYDVQQIDApTb211LVN0YXR1MSEw
HwYDVQQKDBhJbnR1cm5ldCBXaWRnaXRzIFB0eSBMdGQwggEiMA0GCSqGSIb3DQEB
AQUAA4IBDwAwggEKAoIBAQC+pP50IJMhtAQvSvDSS1/bam5oNHV+rb25zp2D1C6x
9/eKxeCoNoc4AN4Jz/+B7qP/+RRimo/PWgO7JvbGJAL2Q1wWv1oUfUS7dMNK7/Tu
EXLY9qRueK+Dddj8O1OWNf3ldcQb4e5igLJBB/j/HMZ6bJfdKkz8+Irn8CRgNwPV
/syBHoCGBCqEKfuWgpZcfTEaMArpeHTdH7b5V3bhmsW4uctMwKdN0UTW0ueVKU
FQ4c68A6hD4hpYKtR0xqbElv/5DaxgCdtNUa/RFRrjjKxfGY+N76y18a60Bi4ih0
im/5rlwpKUZir1TrMkD08BOOTFurgAE3bgN94qHgDjI7AgMBAAGjIzAhMB8GA1Ud
EQQYMBaCFHBjdjA0MDE1Lm9wcy5vY2UubmV0MA0GCSqGSIb3DQEBcWUAA4IBAQCd
ZgA+50YskJm+wbJbGpz2deVJpDhEoqCIX9PMrWQK1KObkZch3c/b9RKUMueiJxEW
fCip5ZJnHIzMb4m9mQLHqx8dSG0gbQhOPFWxyuxpG2CJX4CyH0H6CaPRBTqZGW1F
GFMLZ8Gk1Dfd0YyWnqnPO2VylFe+10DWTwB0Tm4LakhW6Easc8c1rL1szfNYqpSS
iCwbeI1G+1kOChidMketCBvZA5JLNm7gI39qijZnoaBGe6MHUP9dTiqT2Nrm9ZRK
Pb6arL4gRirYUjGKrC8rkR6q9tzyzm6Yc8aOYJo7GHvoQbAK9h5ikf4XcZhH68f+
eE0EZBCf1W0c1kCz/gY0
-----END CERTIFICATE-----
```




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 Method



The following methods can be applied:

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.

Method	Description
Existing JDF to PRISMAproduction (Pass-through)	<p>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:</p> <ul style="list-style-type: none"> • It must be a JDF file (MIME: application/xml) • The XML root must contain JDF (written in uppercase letters) <p> NOTE The JDF settings are not validated!</p>
JDF with URL to PDF to PRISMAproduction	<p>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.</p>
JDF with URL to PDF for workflow	<p>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.</p> <p>This option can be used to build a JDF library with Enfocus Switch, or to reuse the JDF if needed.</p>
JDF and PDF for hot folder	<p>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.</p> <p> NOTE This option does not work with PRISMAproduction status app.</p>
OCT and PDF for hot folder	<p>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.</p> <p> NOTE This option does not work with PRISMAproduction status app.</p>
Hot folder	<p>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.</p> <p>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.</p>
Job name	<p>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.</p>

Method	Description
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.
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.

Method	Description
Collate	<p>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.</p> <p>Default => Unspecified, use PRISMAproduction default None => Page copies SheetSetAndJob => Job copies</p>
Color output	<p>Sets the color in which the document should be printed. When DeviceCMYK is chosen, a Black/White printer cannot be selected in PRISMAproduction.</p>
Sides to print	<p>Define the sides to print for the default media. The sides to print setting will be applied to the whole document.</p> <p>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.</p> <ul style="list-style-type: none"> • FlipX means that the sheet tumbles over the X-axis • FlipY means that the sheet tumbles over the Y-axis <p>The options are</p> <ul style="list-style-type: none"> • OneSidedFront (Simplex) • TwoSided FlipY (Duplex) • TwoSidedFlipX (Tumble Duplex)
Printer setup	<p>Printer setup for IPDS devices refers to a setup configured in PRISMAproduction. This option is only available for OCT and PDF for hot folder.</p> <p> 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).</p>
PDC set name	<p>When PDC (Professional Document Composer) has to be used, it is possible to refer to a PDC set name with this property.</p> <p> 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).</p>
Custom fields	<p>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.</p> <p>Custom field notation must be key=value on each line in the multi-line editor, or multi-line editor with variables.</p> <p>Example: PDCSetName=ValueOfThePDCSet PrinterSetup=ValueOfTheSetup You can add as many custom fields as needed.</p>

Method	Description
Default media	<p>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.</p> <p>Options:</p> <ul style="list-style-type: none"> • 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. <div data-bbox="651 748 1390 1279" style="border: 1px solid #ccc; padding: 5px; margin: 10px 0;"> <p style="text-align: center; font-size: small;">Select from library: Default media</p> <p>Select from device</p> <div style="border: 1px solid #ccc; padding: 2px;"> <p>From PRISMAproduction resources</p> <p>Custom</p> <p>Select from dataset</p> <p>A0 Not defined 2383.94 x 3370.39 Not defined Other</p> <p>A1 Not defined 1683.78 x 2383.94 Not defined Other</p> <p>A10 Not defined 73.7 x 104.88 Not defined Other</p> <p>A2 Not defined 1190.55 x 1683.78 Not defined Other</p> <p>A3 Not defined 841.89 x 1190.55 Not defined Other</p> <p>A3_uncut Not defined 864.57 x 1218.9 Not defined Other</p> <p>A4 80 gr. 595.28 x 841.89 White Paper</p> <p>A4 Not defined 595.28 x 841.89 Not defined Other</p> <p>A4Tab03E1n 80 gr. 632.13 x 841.89 White Paper</p> <p>A4Tab03En1 80 gr. 632.13 x 841.89 White Paper</p> <p>A4Tab04E1n 80 gr. 632.13 x 841.89 White Paper</p> <p>A4Tab04En1 80 gr. 632.13 x 841.89 White Paper</p> <p>A4Tab05E1n 80 gr. 632.13 x 841.89 White Paper</p> <p>A4Tab05En1 80 gr. 632.13 x 841.89 White Paper</p> <p>A4Tab06W1n 80 gr. 632.13 x 841.89 White Paper</p> <p>A4Tab06Wn1 80 gr. 632.13 x 841.89 White Paper</p> <p>A4Tab07W1n 80 gr. 632.13 x 841.89 White Paper</p> </div> <p style="text-align: right; font-size: small;">Cancel OK</p> </div> <p> NOTE If no destination is defined, the media list will be reset to the full media list.</p>
Use PDF dimensions for width and height (only applicable for Default media)	<p>When setting this property to 'Yes', the PDF dimensions will be used, instead of the Media dimensions configured in PRISMAproduction.</p>
Second, third and fourth media	<p>See 'Default media' above for media choice. Define the page range for the second/third/fourth media. Page ranges can have the following definition:</p> <ul style="list-style-type: none"> • 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 <p> NOTE Page ranges must not overlap!</p>

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	<p>There are two choices for the release status:</p> <ul style="list-style-type: none"> • 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. <p> NOTE When a job is aborted, it will always go to the Data Error outgoing connection!</p>
Remove job when done	<p>Jobs can be automatically removed from the PRISMAproduction queue after being 'Aborted' or 'Completed'. The default is 'No'.</p> <p> NOTE If you wish to monitor multiple statuses, you must add multiple instances of the PRISMAproduction status app in your workflow.</p>

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, prt drain, prthalt, draining
NeedsAttention	Data Warning	Halted, waiting (setup), message (stopped), not ready, license
Failure	Data Error	Defect
Offline	Data Success	Offline, inactive

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 two choices:

- Attach resources
- Pre-select media

Attach resources is the choice where all available resources are attached to the job in Private Data Keys.

Pre-select media is where a pre-selection of media can be done, so the PRISMAproduction submit app can automatically be configured on the media choices. Selecting media works the same as the media in the **PRISMAproduction submit app** (see 'Default media' in [PRISMAproduction submit app on page 5](#)).

Private Data Keys

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.

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



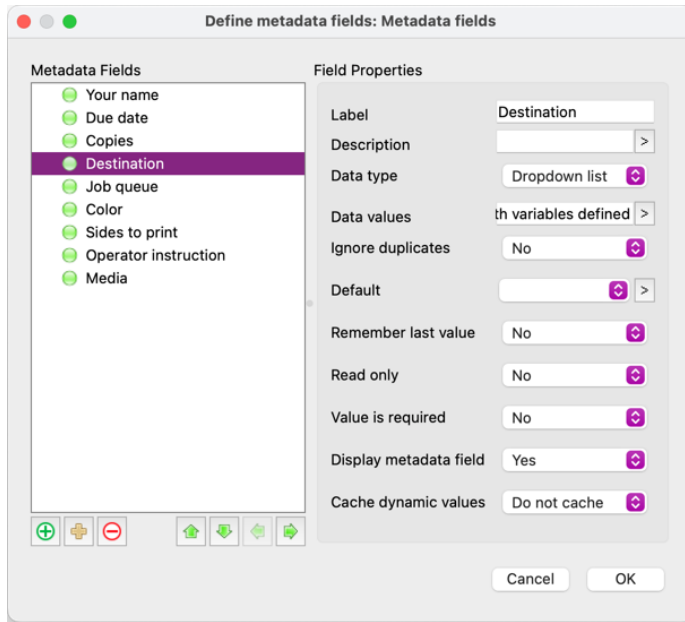
Checkpoint and Configuration

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

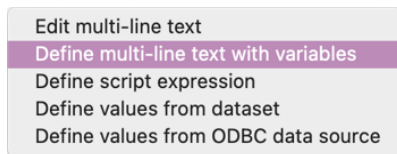
Property	Value
Element type	Checkpoint
Name	Checkpoint
Description	
Flow stage	
Allow multiple outputs	No
Enable report viewing	No
Allow replacing or editing job	No
Enter and display metadata	Yes
Metadata fields	Metadata fields defined
Dataset name	Check
Invalidate user metadata cac...	Yes
Attach user email address	No
Update user info	If empty
Fail jobs after timeout	No

Specify the metadata fields a user needs to review, update or fill in.

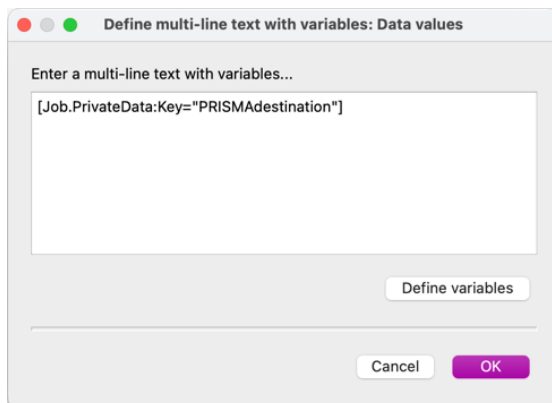
2. Set [Enter and display metadata] to [Yes] to add fields to a Checkpoint.
3. Change the [Dataset] name to any value you like (changing this name results in a full adjustment of all metadata fields in the Checkpoint).
4. Click on the [Metadata fields] defined, then click on [Destination]. Make sure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



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



- In following screen add the [Private Data key]:




- 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:

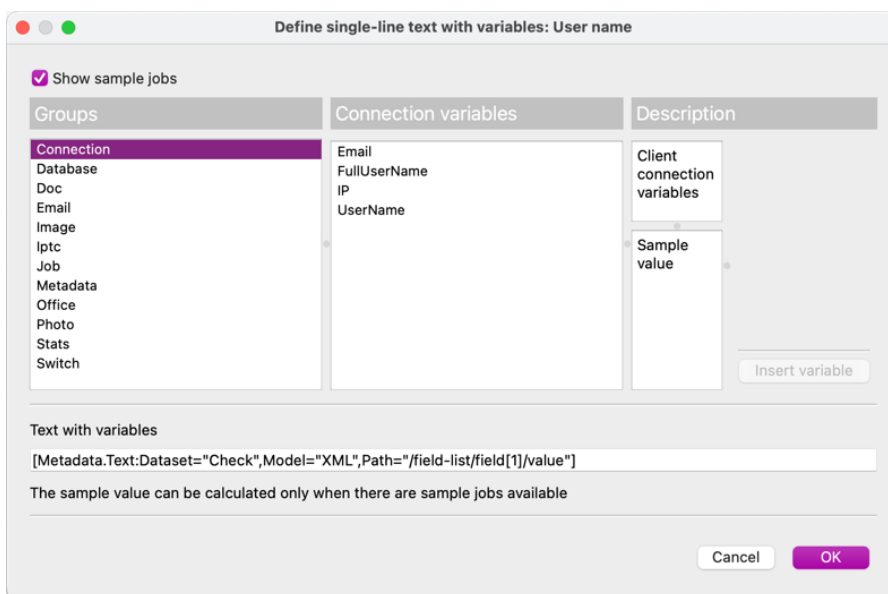
Property	Value
Element type	Script element
Name	PRISMAproduction submit
Description	
PRISMAproduction JMF url	http://[redacted]/prismapro/jmf/controller
JDF submission method	MIME package to PRISMAproduction
Job name	Default
User name	Single-line text with variables defined
Order ID	None
Job ID	None
Operator instruction	Single-line text with variables defined
Due date	Single-line text with variables defined
Destination	Single-line text with variables defined
Job queue	Single-line text with variables defined
Copies	Single-line text with variables defined
Collate	None
Color output	Single-line text with variables defined
Sides to print	Single-line text with variables defined
Custom fields	None
Default media	Select from dataset
Select from dataset	Single-line text with variables defined
Use PDF dimensions for width...	No
Second media	None
Third media	None
Fourth media	None

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

Job name	Default
User name	Single-line text with variables defined
Order ID	None
Job ID	None
Operator instruction	Single-line text with variables defined
Due date	Single-line text with variables defined
Destination	Single-line text with variables defined



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



Define single-line text with variables: User name

Show sample jobs

Groups	Connection variables	Description
Connection	Email	Client connection variables
Database	FullUserName	
Doc	IP	
Email	UserName	
Image		Sample value
Iptc		
Job		
Metadata		
Office		
Photo		
Stats		
Switch		

Text with variables

[Metadata.Text:Dataset="Check",Model="XML",Path="/field-list/field[1]/value"]

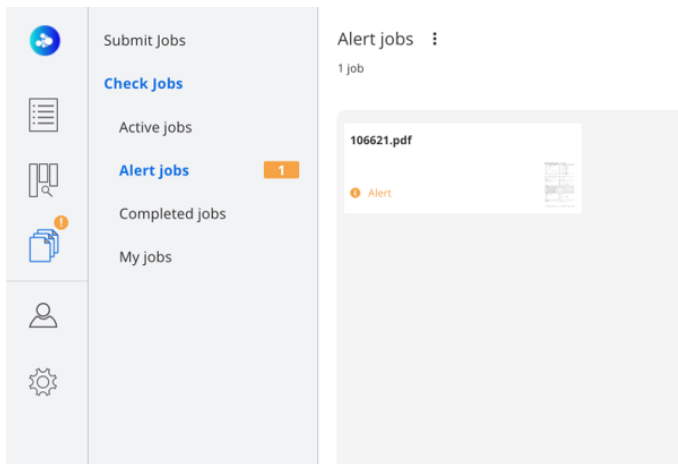
The sample value can be calculated only when there are sample jobs available

Cancel OK

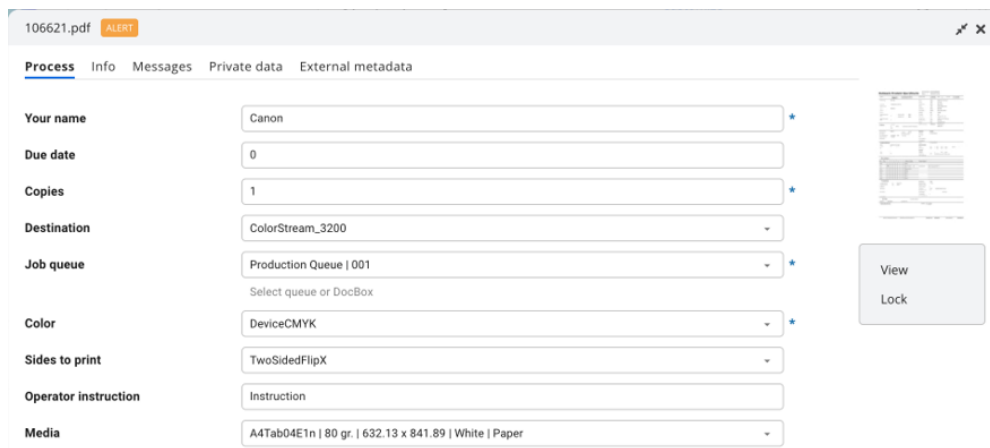
After the **PRISMAproduction submit app** submits the, in this case, MIME package to PRISMAproduction, the **PRISMAproduction status app** checks the job status. After that this flow is completed.

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.



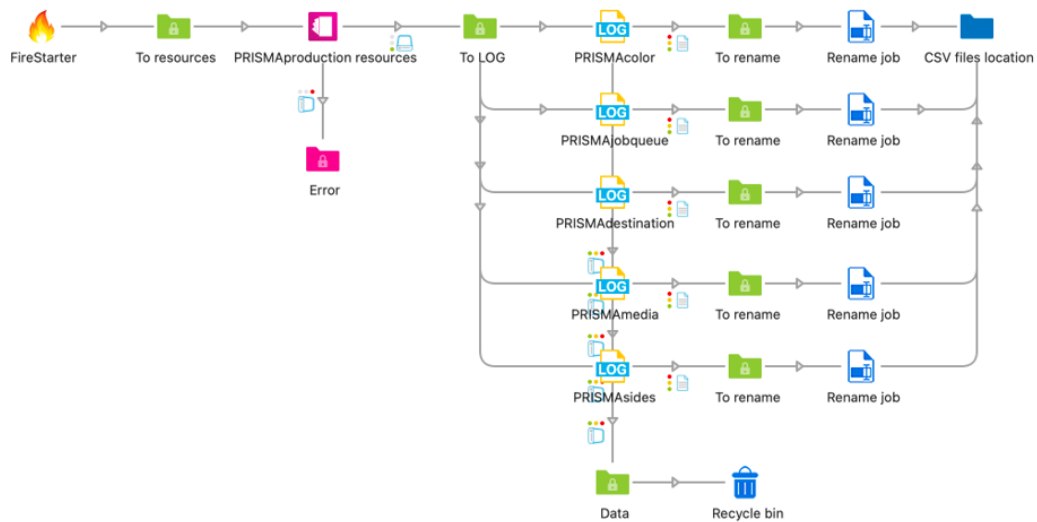
NOTE

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.

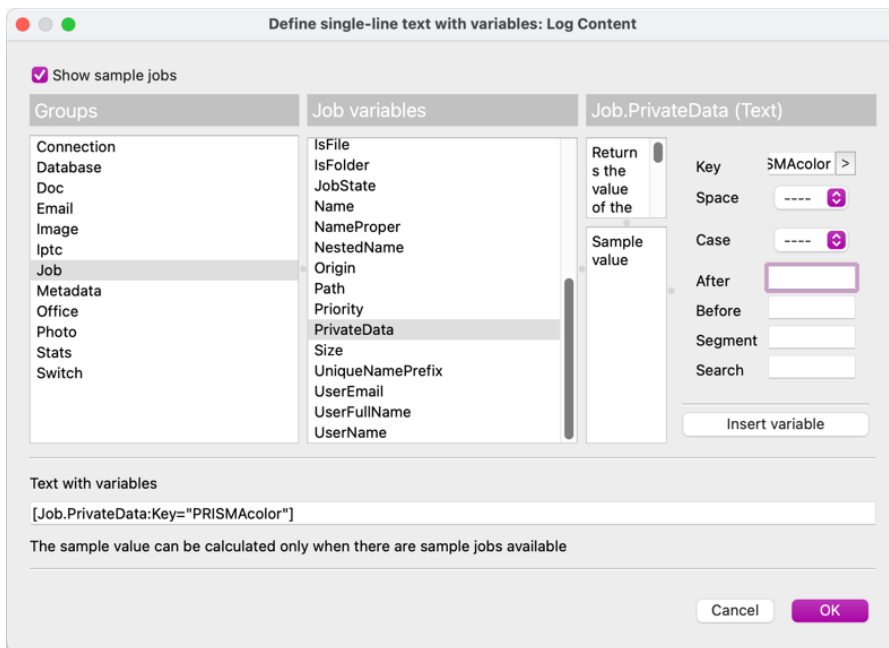
[Create log] can create a file from a dataset or a private data key. In this example we are creating a CSV file for every Private Data Key that is attached to the job with the **PRISMAproduction resources app**.

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
<i>Act on</i>	Complete filename
<i>Replace by</i>	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
<i>Safe move</i>	Yes
Color	Blue
Strip unique name	Yes
<i>Duplicates</i>	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.

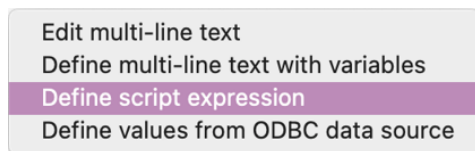
Property	Value
Element type	Submit Point
Name	Job to production
Description	Start a new PRISMAproduction job
Display name	Default
Display description	Start a new PRISMAproduction job
Thumbnail	None
Flow stage	
Attach hierarchy info	No
Attach user email address	No
Attach extra email info	
Submit	Job and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

Metadata Fields

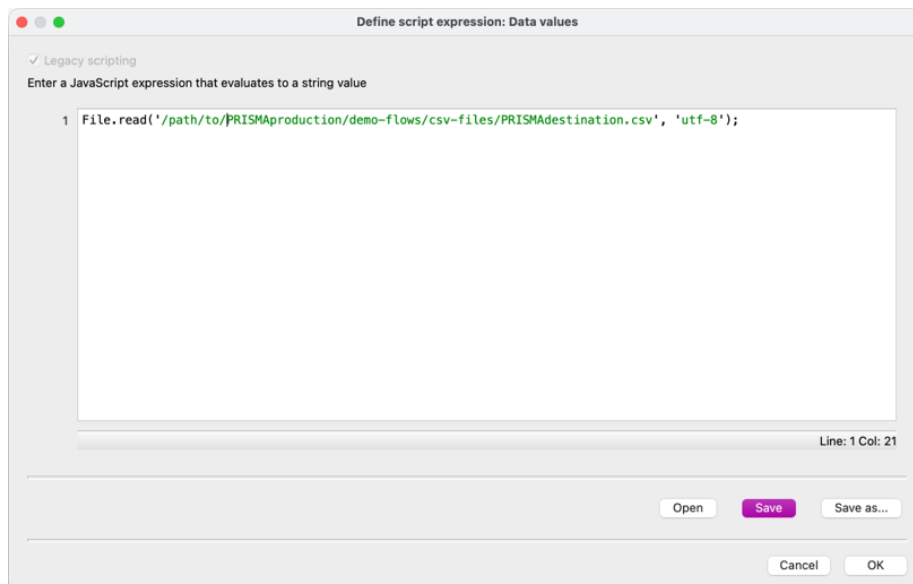
Click on the [Metadata fields], and then on the button on the right. The Metadata dialog opens. Here the same settings for the [Checkpoint] as in [PRISMAproduction Example Flow with Checkpoint on page 14](#) are used.

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**.



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