

# Create Print Product XML (PPXML)

## Description

Creates an Imp's print product XML when a PDF is dropped into the input folder. The app properties will carry all the necessary data to create a product with a suitable component (bound or unbound). This app acts as a bridge between Enfocus Switch and Imp Flow to automate file processing without any touch points. The set-up time can be simplified by using this app in Enfocus Switch by defining all the product related properties in Enfocus Switch UI.

## Compatibility

Switch 2020 fall and higher.

## Connections

Input: PDF file

Output: Imp's Print Product XML

## App properties

The following are the product properties:

Attribute	Type	Description
<b>ID</b>	TEXT	ID for this product. It can be any text less than 64 characters
<b>DueDate</b>		Date in the YYYY-MM-DD format
<b>Copies</b>	NUMBER	The number of copies of this product that must be shipped to the customer.
<b>ProductType</b>	TEXT	The type of the product. Must be a value from the list of values entered as possible values for product type field in preferences dialog of Imp.  When a product is created for the purpose of ganging, it is strongly recommended that this value is set to "Gang".
<b>CustomerID</b>	TEXT	This field is valid only when customer database is setup, in which case the value must be one of the values from the first column of customers.csv file.

The following are the component properties (common for bound and unbound components):

Attribute	Type	Description
<b>Component name</b>	TEXT	The name given for this component. This will be picked up from the job's proper name

<b>Material grade</b>	TEXT	Name of the grade. Material definition with matching Grade.
<b>Material weight/thickness</b>	TEXT	<p>Paper weight of the selected material. Regions where gsm(grams per square meter) is the unit for paper weight, expected format is: <b>120gsm</b></p> <p>Regions where basis weight is the measure used for paper weight, expected format is: <b>80# Cover</b></p>
<b>Paper mill</b>	TEXT	Only those sheets or reel sizes whose mill name starts with the text provided at this attribute will be considered while planning this component. Skip this or set to empty text if the component can be planned across any paper mill/brand.
<b>Grain direction</b>	TEXT	Possible values are "Horizontal", "Vertical", "EitherButConsistent" & "Either". Default value is "EitherButConsistent"
<b>Do not gang</b>	TRUE/FALSE	<p>Yes/No. Default value is No.</p> <p>If this value is set to "Yes", this job will be placed on its own layout and will not be ganged with other jobs while auto planning.</p>
<b>Print quality</b>	NUMBER	Value within the range 0-2. 0 = Low, 1 = Normal, 2 = High. Higher number means better quality. Default is 1 (Normal)
<b>Priority</b>	NUMBER	Value within the range 0-2. 0 = Normal, 1 = High, 2 = Urgent. Default is 0 (Normal).
<b>Group</b>	TEXT	<p>Any text, not longer than 64 characters.</p> <p>While ganging, Imp can ensure that all the components with the same value for this attribute are grouped together on the sheet.</p>
<b>Allowed over runs</b>	PERCENTAGE	<p>Percentage of <b>Copies</b> (above) that are allowed as overruns. The assumption is that the customer can be charged by the printer for these overruns. Default value is 0.</p> <p>Ex: Allowed over runs="1" indicates that 1% excess of actual order quantities are chargeable.</p>
<b>PDF source</b>	TEXT	The relative path of the dropped PDF. This can be set from the Job.Name property.

<b>Infer inks from PDF</b>	TEXT	<p>Possible values are "None", "All", "Spot", "Process".</p> <ol style="list-style-type: none"> <li>1. None: No colors will be imported from the PDF</li> <li>2. All: All colors will be imported from the PDF</li> <li>3. Spot: Only spot colors will be imported from the PDF</li> <li>4. Process: Only process colors will be imported from the PDF</li> </ol> <p>If "None" is selected from the drop-down, the below options will be displayed.</p>
<b>Front colors</b>	TEXT	<p>The value is expected in the form of "CMYK + SplCol1_Name, SplCol2_Name"</p> <p>Ex: "K + Gold", "CMYK + PANTONEC180". Default value is CMYK.</p>
<b>Back colors</b>	TEXT	<p>Similar to the above mentioned Front colors attribute. If omitted, the colors defined for front will be copied. If <b>Front colors</b> is also omitted, then CMYK is assumed. This is not valid for bound component.</p>
<b>Front coatings</b>	TEXT	Comma separated list of coating names
<b>Back coatings</b>	TEXT	Comma separated list of coating names. This is not valid for bound component.

The following are the unbound component properties:

Attribute	Type	Description
<b>Bleed</b>		LEFT TOP RIGHT BOTTOM (Space separated non-negative real numbers)
<b>Page sequence</b>	TEXT	<p>List of page numbers separated by space. The order is from left to right, columns first and then rows. If there is printing to be done on the back side too, the page numbers for the back side will follow after all the page numbers of the front side. For a simple flat job which is one column and one row, the value for this attribute will be "1 2".</p> <p>Whether a particular job needs printing on one side, or two side is automatically inferred from this attribute. If the page numbers for the back side are skipped in this attribute, the job is assumed to be one sided.</p>

<b>Offcut</b>	TEXT	LEFT TOP RIGHT BOTTOM (Space separated non-negative real numbers. Default value is zero for all sides.
<b>Width</b>	NUMBER	Width of the page of this unbound component. This can be picked from the Stats.PageWidth.
<b>Height</b>	NUMBER	Height of the page of this unbound component. This can be picked from the Stats.PageHeight.

The following are the **bound** component properties:

Attribute	Type	Description
<b>Binding method</b>	TEXT	The value must match the name of a binding method defined in Imp configuration.
<b>PageLabels</b>	TEXT	<p>The expression that defines the page labels for pages in the book. While the physical page numbering of the job starts from 1 and is always alpha numeric, the logical page numbering can be quite different. For example, the first three pages could be upper case Roman numerals, followed by 4 Arabic numerals again followed by 4 smaller case Roman numerals.</p> <p>Through this field, it is possible to define the logical labelling of pages in a simple and intuitive manner. The numbering exemplified in the previous para, could be defined as "I-III,1-*,i-iv". There are multiple parts in this phrase; each separated by a comma. Each part indicates a few series. The start of the number series is indicated by the number typed in front of the hyphen. Similarly, the end of the series is identified by the value followed by the hyphen. '*' has a special meaning. It implies that the end of the series is implied by the number of pages left in the job to be assigned. There can only be one * in the entire phrase.</p> <p>Default value is "1-*".</p>
<b>Is lap on high folio</b>	TRUE/FALSE	If set to true, the lap will be set on the high folio side in case of trim else if set to false it will be set to low folio. If this is not set, then the default value will be picked from the binding method.
<b>Center signatures vertically</b>	TRUE/FALSE	If true, when auto planning, signatures on the layout will be centred vertically
<b>Back side printing</b>	TRUE/FALSE	Default value is TRUE.

<b>N-UP</b>	NUMBER	Default value is 1
<b>Come and go</b>	TRUE/FALSE	True/False or Yes/No. Default value is No.
<b>Creep</b>	TRUE/FALSE	True/False or Yes/No. Default value is No.
<b>Creep direction</b>		Three possible values are "towards spine" "towards face" "both". Default value is "towards spine"
<b>Creep style</b>	TEXT	Two possible values are "move" & "scale". Default value is "move".
<b>Spine edge</b>		Possible values are "left", "right", "top", "bottom". Default value is "left"
<b>Jog edge</b>		Possible values are "left", "right", "top", "bottom" Spine and jog edge should never be same or opposite sides. If spine is left, jog can be top or bottom only. Default value depends on the selected spine edge. By default, it is the edge adjacent to the spine edge on the clockwise direction.

