

Overview

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Order property mappings

Order property mappings are added by the Order Management feature to assist with processing XML order definitions generated by ordering systems. The order property mapping defines which XML elements are used by the **CreateOrdersFromFile** step to identify orders and jobs and which ones are used to set properties.

When you create an order property mapping, you define how RICOH ProcessDirector interprets XML elements in a sample file. RICOH ProcessDirector can use XML elements in two ways:

Order and job identifiers

Order identifiers are the XML elements that indicate the start of the block of XML for each order included in a file from your ordering system.

Your system might use the same element for the beginning of each order or it might use different elements, depending on the characteristics of the orders.

Job identifiers are the XML elements that indicate the start of the block of XML for each job inside an order. Job identifiers must be descendants of Order identifiers; this relationship tells RICOH ProcessDirector which jobs are part of each order.

You must include at least two XML elements: one to identify orders and one to identify the jobs within that type of order.

Property mappings

Property mappings are used to set RICOH ProcessDirector properties from XML elements. When you define a property mapping, you identify an XML element and which order or job property in RICOH ProcessDirector it corresponds to.

The same order mapping object can be used by multiple workflows as long as the XML files contain the same XML elements. The order of the XML elements can be different in each preferences file.

Example

This image shows the contents of the sample Order.xml file included with the Order Management feature. Compare this XML with the image of the user interface to help visualize the values in the XML element (XPath expression) columns.

```
<Orders v="2.0">
  <Order>
    <ID>123456789</ID>
    <OrderNumber>W1101</OrderNumber>
    <Customer>Ricoh</Customer>
    <Notes>Custom print order sample</Notes>
    <quantity>3</quantity>
    <DueDate>2024-08-27T09:23:05.8</DueDate>
    <OrderDetails>
      <OrderDetail>
        <ID>22722188</ID>
        <OrderType>Custom</OrderType>
        <ProductName>Cap</ProductName>
        <ProductDescription>Jensen Bank Baseball Cap</ProductDescription>
      </OrderDetail>
      <OrderDetail>
        <ID>22722189</ID>
        <OrderType>Custom</OrderType>
        <ProductName>Brochure</ProductName>
        <PrintFile type="Letter Color">Brochure.pdf</PrintFile>
      </OrderDetail>
    </OrderDetails>
  </Order>
</Orders>
```

In section 2 of the image below, you can see the XML elements that are defined as the order and job identifiers. When the **CreateOrdersFromFile** step runs, RICOH ProcessDirector reads the file and finds each occurrence of these identifiers. It creates an order for each order identifier it locates and a job for each job identifier in the orders.

In the section 3 of the image below, you can see XML elements from the sample file mapped to order and job properties. For example, the XML element (XPath expression) **/Order/Order/ID** is mapped to the **Order Name** property, which is associated with the order object. When the **CreateOrdersFromFile** step runs, it reads the XML file and finds each occurrence of **/Order/Order/ID**. It then copies the value into the **Order Name** property for each order created.

Similarly, the XML element **/Orders/Order/OrderDetails/OrderDetail/ID** is mapped to the **Job Name** property. When the **CreateOrdersFromFile** step runs, it reads the XML file and copies the values into the Job name property for all the jobs created.

If the existing order properties do not fulfill your requirements, you might need to define custom order properties from the **Administration** tab to support the specific needs.

Order Mapping: OrderXMLSample

1 **UPLOAD SAMPLE ORDER XML FILE**

The sample XML includes the structure and settings needed to define orders and the jobs inside them. Usually, this file is exported from your ordering system.

Property mapping name *	?	Property mapping description	?
OrderXMLSample		Used by the OrderSample workflow to map values in a sample XML file to order and job properties.	
Time format	?		
MM/dd/yyyy HH:mm:ss ZZZZ	▼		

Upload a Sample Order XML File

1. Export an XML file from your ordering system that represents your orders and jobs.
2. Find and upload the sample XML file below.
3. RICOH ProcessDirector reads the file and detects its structure, then uses the XML elements found in the file in the lists for steps 2 and 3.

Sample order XML file *

order.xml

2 **IDENTIFY ORDERS AND JOBS**

Choose the XML elements that identify orders and jobs. You must include at least one order identifier and one job identifier. If you do not see an element that you want to use, you can enter the XPath expression for that element. Add rows as needed.

XML element (XPath expression)	Represents	?
/Orders/Order	Order	+ -
/Orders/Order/OrderDetails/OrderDetail	Job	+ -

3 **MAP ELEMENTS TO PROPERTIES**

Map the XML elements in the sample file to order and job properties, so their values are available in RICOH ProcessDirector.

XML element (XPath expression)	Object type	Property	?
/Orders/Order/ID	Order	Order name	+ -
/Orders/Order/OrderNumber	Order	External order reference	+ -
/Orders/Order/Customer	Order	Customer name	+ -
/Orders/Order/Notes	Order	Description	+ -
/Orders/Order/quantity	Order	Copies	+ -
/Orders/Order/DueDate	Order	Due date	+ -
/Orders/Order/OrderDetails/OrderDetail/ID	Job	Job name	+ -
/Orders/Order/OrderDetails/OrderDetail/OrderType	Job	Custom 1	+ -
/Orders/Order/OrderDetails/OrderDetail/ProductName	Job	Custom 2	+ -

/Orders/Order/OrderDetails/OrderDetail/PrintFile	Job	Custom 3		
/Orders/Order/OrderDetails/OrderDetail/PrintFile/@type	Job	Media		

CANCEL OK

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