XML Magic

Description
XML Magic allows the creation and update of XML and JDF files with help of a very intuitive control structure. The processed XML and JDF files can be a Switch job, a job's dataset or an external file.
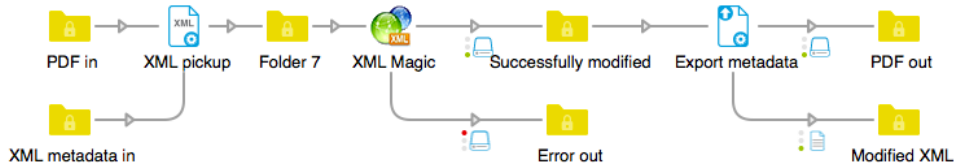
Compatibility
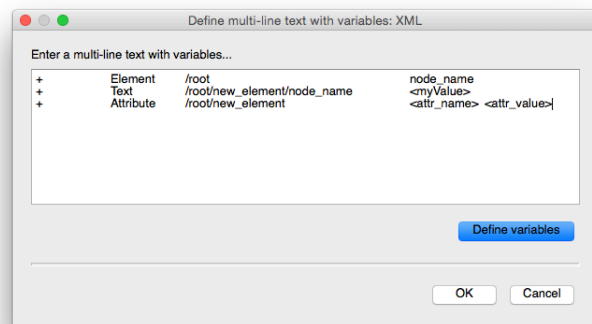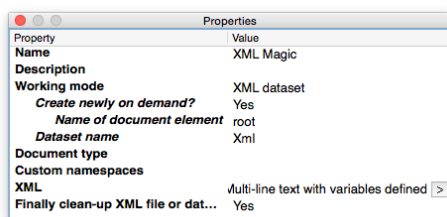Switch 13 update 1 and higher.

Connections
XML Magic uses TrafficLight outgoing connections. The processed job is routed according to its status (success or error).
XML Magic accepts XML/JDF files and any type of input job. In the later case the XML/JDF file to be modified must be either supplied as a XML dataset or as an external file.

The following screen shot demonstrates how XML Magic App can be integrated in a Switch flow. In this example an XML file gets attached to the PDF file's job ticket as a XML dataset. XML Magic modifies the original XML/JDF data and outputs the modified dataset.

Properties detailed info

Flow elements properties
- Working mode
    - Defines the app's working mode. Can be either XML file, XML dataset or External XML file.
- Dataset name
    - Name of XML dataset.
- Create newly on demand?
    - Whether to create a missing XML dataset or external XML file on demand.
- Name of document element
    - Node name of the document (root) element of a newly created XML file.
- XML file path
    - File path of external XML file.
- XML filename
    - Filename of external XML file.
- Document type
    - Allows the optional definition of a <!DOCTYPE> node.
- Custom namespaces
    - This property allows the definition of additional non-standard XMP namespaces which are not already part of the existing namespace definitions within the modified job.
      Examples:
      imp   http://www.impressed.de/namespace_v1/
      yxz   http://ns.example.com/xyz/
- XML definitions
    - This property controls how to add, remove and rename XML nodes and attributes.

      Examples:
      Add node:
      + ElementlEL   <any XPath>   <element name>
      + TextlTX   <any XPath>   <any value>
      + CommentlCT   <any XPath>   <any value>

      Add node (if not already exists):
      & ElementlEL   <any XPath>   <element name>
      & TextlTX   <any XPath>   <any value>

      Add attribute:
      + AttributelAT   <any XPath>   <attribute name>   <attribute value>

      Delete node:
      - ElementlEL   <any XPath>

      Delete attribute:
      - AttributelAT   <any XPath>   <attribute name>

      Rename node:

=   ElementlEL   <any XPath>   <new name>

Rename attribute:
=   AttributelAT   <any XPath>   <old name>   <new name>

Clone node:
++ ElementlEL   <any XPath>   <truelfalse>
- Finally cleanup XML file or dataset?
  - o Removes text nodes which contain only white space and inserts missing line breaks between nodes.