



White Paper

Transpect jats2html

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1 Introduction

Transpect is an XML-based tool used for the transformation and processing of structured data. It was developed specifically for use in publishing environments. Transpect provides a set of functions to transform and process XML data.

The multichannel publishing solution Xpublisher on Fabasoft PROCECO uses Jats2html, a module from Transpect that was specially developed for processing and converting JATS (Journal Article Tag Suite) XML documents.

JATS is an XML-based markup schema commonly used in scientific publishing environments, especially in the medical field. By converting JATS XML to HTML with Jats2Html, medical articles can be easily published, shared and read on the web.

2 Setup for administrators

The dashboard of the Xpublisher on Fabasoft PROCECO multichannel publishing tool provides administrators with a clear and structured overview of the installed and configurable services and settings.

2.1 Production Services

Starting on your personal dashboard, do the following:

1. Navigate from the publishing dashboard to the publishing configuration via the "Switch to configuration" action
2. Navigate to the "Production Services" list
3. Create a new production service using the "Create production service" action in the action menu
4. Select "Transpect 2211 production service"
5. Assign a name and confirm with "Next".

Note: A detailed documentation of the XProc library and the XSLT stylesheet that converts JATS to HTML can be found on the [GitHub](#) page of the provider. There are no further settings to be made in the publishing configuration.

2.2 Deployment formats

In order to use Transpect by a user, a deployment format must be created in addition to the production service. You can do this as follows:

1. Navigate from the publishing dashboard to the publishing configuration via the "Switch to configuration" action
2. Navigate to the "Deployment Formats" list
3. Create a new deployment format via the action "Create deployment format"
4. Select "TranspectXXXX deployment format" from the list of services

You can freely choose the name of the delivery format. This is then offered to users of the multichannel publishing solution as an option for selection when creating a publication.

2.3 Create product type

The provision of at least one product type is a necessary prerequisite for the creation of new products. Administrators use product types to define the structural specifications for products. To create a new product type, proceed as follows:

1. Navigate from the publishing dashboard to the publishing configuration via the "Switch to configuration" action
2. Navigate to the "Product types" list
3. Select the action "Create product type" in the action menu
4. In the following dialog you can assign a name for the product type, add further components and add deployment formats. As an administrator, you can specify here in which formats the product type can be published.

Deployment formats can be selected when publishing defined products. Since not every delivery format makes sense for any product, they are not available across the board, but are restricted via the product type. The relationship between project type, product type and delivery format can be found in the Multichannel Publishing user help ([User help](#)).

3 User perspective

The dashboard offers a practical overview of the existing projects and products with the tiles. Clicking on Display takes you to the detail view, where you can find various editing options as well as further information about the areas of application and intended uses.

Products can be published in different formats via different services. For this purpose, production services are stored by the administrator in the respective product type. Each of these services allows publication in a specific format.

To create a publication using the Transpect module Jats2Html proceed as follows:

1. Navigate to the list of products on the Publishing Dashboard
2. Select the desired product and click on it to switch to the view of the product
Note: The product type of the product must have a Transpect deployment format assigned to it
3. In this view, the structure of the product is displayed to the right of the action menu. Select the product at the very top of the structure tree.
4. Select the "Add XML Content" action from the action menu
5. In the following search dialog, select one or more Xeditor documents from the Digital Asset Management and add them to the product.
Note: XML content can be assigned directly below the product at the top level or, if the schema supports it, below existing XML content.
6. When you have assigned all XML files associated with this product to the structure tree, select the top node of the tree again, the product.
7. In the action menu on the left click on the "Publish" entry
8. In the following dialog, select the deployment format and confirm with "Next".
9. Finally, assign a name for the new publication to be created and confirm with "Next".
In the list of "Publications" on the dashboard, you will now see a new entry with a gear icon.

Once the production service has successfully processed the content, the gear icon disappears and the result is ready for download.

10. Open the context menu by right-clicking on your publication and select the "Download" entry

The result of a successful Transpect publication is a .zip file containing the following folder structure:

- images
Contains the list of image files sent to the publication service.
- index.html
Contains the actual result of the publication
- index.xml
Contains the XML template for the transformation
- report.log
Contains the log output of the Transpect production service

Note: For each Xeditor document (XML) on the first level of the structure tree, you will receive a numbered folder (1,2,3, ...) in the result that contains the HTML publication and its images.

4 Reference documentation of the manufacturer

The complete documentation of the manufacturer can be found at

[jats2html](#)

For complete documentation of the Jats V1.3 standard, see

[JATS V1.3](#)

GitHub directory of jats2html

[transpect/jats2html](#)