

# Content Software Workflow Engine



*The "Content Software Workflow Engine" (CSWE) is a server product and helps to automate the generation, release and distribution of documents and publications. The CSWE supports the automated, parameter-driven and – above all – logged distribution of research publications, and controls all work flows defined in the system. Furthermore the CSWE helps to automate the document conversion using a third software supplier (e.g. conversion into PDF, automatic layout adaptation in MS Office). It is also possible to automatically distribute documents and publications in combination with additional financial data via e-mail or other processing or distribution programmes of your choice.*

*The CSWE technically bases on the server product Content Software Repository (CSR) developed by Content Software. The CSWE control is based on XML.*

## The components

The CSWE contains the following components:

- job processing and document distribution control on the basis of XML
- a module to automate the document conversion using software of third suppliers (e.g. conversion into PDF, automatic layout adaptation in MS Office)
- a module to automate the document and publication distribution via e-mail also in combination with additional financial data (e-mail publisher)
- the Command Execution Module to call up external processing or distribution programmes of your choice, e.g. fax server, chat applications or content management systems

## Work flow control on XML basis

Due to the provision of the document type definitions (dtd) for the workflow control you can adapt the work flow processing and document distribution rules to new requirements at any time. All you have to do is adapt the control elements in the XML files. Control elements are the following:

- document types respectively document type groups
- document and publication status (e.g. draft, final, released, etc.)
- technical format of the documents and publications (Microsoft Word/Excel, PDF files, text files, etc.)

## Document Converter

The document converter automatically converts documents in CSR into PDF format or enables automatic layout conversion in MS Office. The conversion automatically occurs after the documents have been checked into the CSR. You can use all common software products for PDF conversion that are suitable for batch processing. The converted document version is also automatically loaded into CSR and can be found under the same attributes and keywords as the original document.

## E-mail Publisher

The e-mail publisher automatically sends documents to mailing lists via e-mail. It is possible to define the above mentioned control elements in a way that co-ordinates under which circumstances a document has to be sent to a defined mailing list. The distribution is also possible in combination with additional financial data stored in the CSR (e.g. in form of a ratio overview included in the mail body)

## Command Execution Module

The Command Execution Module controls the document distribution out of CSR via processing and distribution programmes of your choice. It is possible to define the above mentioned control elements in a way that co-ordinates under which circumstances a document should be processed with a certain programme. If you wish, you can generate a meta data file based on a template of your choice for any document that has to be processed. This meta data file can contain meta data of the document. Furthermore you can configure mapping rules as you need them and map these meta data to data of external systems.

## **System requirements**

The PDF conversion requires the installation of a common software product for PDF conversion, suitable for batch processing (e.g. Adobe Distiller Server, Neevia Document Converter). Also needed is access to an e-mail server to send e-mails via SMTP. The Command Execution Module requires the desired processing or distribution programmes.

### **Contact:**

**Content Software GmbH**  
**Benzstr. 1**  
**D-61352 Bad Homburg**  
**Phone: +49 6172 662621-0**  
**Fax: +49 6172 662621-99**

**Internet: <http://www.content-software.com>**  
**e-mail: [kontakt@content-software.com](mailto:kontakt@content-software.com)**