

GOCFL as a software approach to support standards-compliant OCFL extensions in the archival context

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With the continuous rise of Oxford Common File Layout (OCFL) as one of the most important standards for creating meaningful AIPs, it is time to take a look at its extended capabilities. While OCFL has so far been used primarily as an extended Bagit to create archive containers with checksums, the structured application of OCFL extensions allows the addition of technical and semantic metadata information for both review and archiving services.

Self-Contained AIPs consist of multiple layers of data and metadata (semantical and technical). These are partly generated automatically by the archive management software and are sometimes difficult to interpret without the associated software and/or infrastructure.

With the help of GOCFL-software, OCFL extensions (see below) metadata and other information can be integrated and documented directly in the OCFL-AIP-structure.

The presentation uses a practical example to show how various areas of archiving can be mapped directly to the OCFL standard using very easy to use processes based on GOCFL (<https://github.com/je4/gocfl>).

Introduced are extensions which support

- Technical metadata indexing
- Filepath transformation
- File format migration
- Reporting etc.

The use of GOCFL in the ingest process increases independence from the archive management system.

In addition, two different documentation formats (web, PDF) are created, which can be easily used by non-experts or third parties to make archival decisions (extension of the retention period, overview of the overall data situation, dealing with brain drain, ...).

Author: ENGE, Jürgen (Basel University, University Library)

Presenter: ENGE, Jürgen (Basel University, University Library)

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