Beyond the closed system with Omeka and DPLA

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1,369 Items
Additional 1,226 records ready for upload

What is this poster about?
This poster illustrates a temporary system built on top of Omeka and DPLA in providing online access to the digital content of various formats (text, images, three-dimensional object) while creating another access point at DPLA.

Digital Imaging and Preservation Services (DI&PS)
The DI&PS provides digital infrastructure and services in digitization, digital preservation, and online access to selected arts, sciences, cultural and historical heritage materials of Virginia Tech, Appalachia, and the state of Virginia without physical collection acquisition. 1,369 items are available online on our temporary platform since inception in Nov 2017 and still counting.

CHECK OUT OUR DIGITAL LIBRARY AT:
https://di.lib.vt.edu/

Omeka
Background
We use Omeka for:

i. Hosting digital content
ii. Public facing interface for collaboration information

Data management, checksums, derivative files are handled independently with different systems or tools.

Benefits
out-of-the box software

Challenges
i. php based platform software difficult to master
ii. system backend not designed for preservation
iii. complex interaction when different plugins within the system combined create unpredictable relationships, produces unintended and unknown results

Solutions
i. Determining the outcome from Omeka
ii. Confirming plugins to be used and run tests
iii. Minimizing dependency on Omeka
iv. Preparing a contingency plan

Plugins
ArchiveRepertory 2.15.2
BulkMetadataEditor 2.4
CollectionTree 2.1
CsvExport 1.0.1
CsvImport 2.0.4
CsvImportPlus 2.3.3
DublinCoreExtended 2.2
ExhibitBuilder 3.4.2
ShortcodeCarousel 1.0.1
SimplePagesCarousel 1.0.1
UniversalViewer 2.4.6

Our workflow
Physical collections
Regional institutional partners and campus partners

Metadata
XML, Extended Dublin Core

DPLA
Digital Virginias

dc-rdf format XMLs are exported from Omeka, transformed, and ingested to the git, waiting for ingestion by the DPLA. This current workflow is not ideal due to lack of URI from Omeka system. The IT is working on a resolver for the URIs.

BE SURE TO TALK TO WEN
Space is always an issue. Find out more from Wen for specifics in plugins, challenges, solutions, suggestions, etc.