A Pre-Conference Workshop: CONTENTdm in Context

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OCLC

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A Pre-conference workshop:

CONTENTdm® in Context

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Southern CONTENTdm Users Group
University of South Carolina
May 20, 2014
Overview

Welcome to the community

The software, now and later

Today: Get up and running

Configure a CONTENTdm collection

Add items through the browser and the client

Configure the CONTENTdm Website at the global level

Drive traffic to your Collections

Share metadata to WorldCat and beyond

Demonstration
CONTENTdm user community

- Over 1,077 licenses worldwide of which 809 are using Hosting Services (US, UK, and Australia)
  - 2,000+ users with consortia and collaborative arrangements
  - 142 outside the US
- Engaged and active
  - User Support Center, e.g. Online Help, Tutorials, Forums and blogs....
  - Users Group Meetings—F2F and online events for sharing
  - Beta programs –running the latest “build”
    - http://sandbox.contentdm.oclc.org
CONTENTdm architecture and evolution

CONTENTdm Administration
- Server management
- Collection management
- Sync with WorldCat

Website config tool
- global and/or collections

Project Clients
- Metadata / cataloging
- Batch processing

OCR Extension

Server—Hosted or Local Unix (Linux) or Windows

Website
Defining terms: Configuring a collection

• *What’s a Collection?*

• A group of objects (items) that
  – Share the same metadata schema
  – Live on the same CONTENTdm server

• *How many Collections can I have?*
  – Up to 400 collections per server

• *How many items can I have?*
  • Depends upon your license level
  • *Up to 10,000, 50,000 or UNLIMITED*
What’s an *item*?

- CONTENTdm indexes/searches *item* metadata.
- CONTENTdm displays file formats that are able to be:
  - Viewed with a Web browser natively, e.g., JPEG
  - Or viewed via a plug-in, e.g., PDF
- All of these file formats—ALL are examples of CONTENTdm *simple* items
Items combine to make *Compound Objects*

- Assemble two or more items together and you have a
  - *Compound Object*
  - Four classes: document, postcard, monograph, cube
  - Xml file “wrapper” uses an additional “item”
- This is important to the count of items because CONTENTdm is licensed according to how many items you use: up to 10,000; up to 50,000, “unlimited”...
Project client: powerful for adding items and objects to a collection

• What’s a CONTENTdm Project?
• A workspace
  – Into which you may add thousands of items at a time
  – That live on the workstation until uploading to the server
• A group of settings
  – Decisions about image rights
  – Automatic metadata generation
• How many Projects can I have at one time?
• Limited only by your disk space on the workstation
RELATIONSHIP of Collection to Projects

• A single **Collection**
• Many **Projects**
Three basic steps to building a CONTENTdm collection

1. Configure a Collection
2. Add items to a Collection
3. Go live!
   1. out of the box
   2. or configure your website.
Three basic steps:

1. **Configure a Collection**

- Define the metadata schema
  - Dublin Core element (dcterms—55) set offered
  - CONTENTdm only requires one field: DC.Title
  - *Collection admin* may require *more* fields
  - 125 fields *per collection*
  - 128,000 characters *per field*
CONTENTdm and Dublin Core Metadata

Field properties

View, add, edit and delete fields. Enable full text searching and controlled vocabulary. Once you have added, changed, or deleted fields, index the collection to allow changes to take effect.

<table>
<thead>
<tr>
<th>Field name</th>
<th>DC map</th>
<th>Data type</th>
<th>Large</th>
<th>Search</th>
<th>Hide</th>
<th>Vocab</th>
<th>add field</th>
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<td>No</td>
<td>No</td>
<td>No</td>
<td>move to</td>
</tr>
</tbody>
</table>
Using “template” collections

Add collection

A CONTENTdm collection consists of a set of files that are stored in a directory on the server. Creating a new collection entails creating a new directory and assigning permissions on the server.

After you add the collection, you need to edit the collection configuration settings to enable functionality such as full text searching, PDF file processing, and full resolution image format. Use the Website Configuration Tool to configure appearance and behavior of the collection display in the public interface.

Tip: Use short aliases to avoid browser limitations when searching across a large number of collections.

Create a new collection using **Image Collection Template**

Collection name

[add]
Three basic steps:

2. ➤ Add items to the Collection

Three workflows are common:

A. Add items from the Web browser
B. Attach digital items to WorldCat records (available to OCLC Hosting Services users)
C. Build Project on the Project Client
2. Add items to collection—
   A. *Add* from the web browser

Add items to the pending queue where they must be reviewed and approved before they are added to the collection. Use the Acquisition Station to import full resolution items and items with transcripts.
2. Add items to Collection—
   C. Build a Project on the *Project client*
Three basic steps: Go live!
3. Take the out-of-the-box defaults or configure your website
Global tab/Appearance holds title and header, logo and color
In the Website Config tool, note Global Settings and Collection tabs.
Describe your site or system generally

Global tab: Page Types/About: Appears as “About” in Home page footer.
In Navigation/footer, change Contact info

Global tab: Customize the Footer Labels and Contact info
Choose layout of results pages—grid or thumbnail

For the Grid view, you may order the metadata display
Enable user options: Print, Download, Tag/Comments/Raté, Favorites, etc.

**Website Configuration Tool**

Configurations made on the “Global Settings” tab apply to all collections on the website. If you’d like to make specific changes to individual collections, select the “Collections” tab. Any collection-level settings will override global settings.

**Configuring Global Settings**

Configurations made on the “Global Settings” tab apply to all collections on the website. If you’d like to make specific changes to individual collections, select the “Collections” tab. Any collection-level settings will override global settings.
After setting up Google Analytics, enable it with your ID
For each collection, customize the Landing Page look and behavior.
Improving discovery of your collections: Share your metadata and drive traffic to your site
Yearbooks, newspapers, photograph collections, postcards, texts...
How do you drive users to your site?

• Be more discoverable--
• *Google and WorldCat*
  – *CONTENTdm* has a built-in sync to WorldCat through
  – *Digital Collection Gateway*
    • Improve access & presence for digital collections
    • Synchronize non-MARC metadata with WorldCat
    • Provide self-service tools to drive synchronization
Why put metadata in WorldCat?

How do you use the Gateway?
What does WorldCat look like today?

- World’s largest bibliographic database, freely available
- Over 295 million title records, with over 2 billion holdings
- Live URLs to over 37 million records to digital items harvested through the Gateway from 1,989 repositories
  - 1,902,673 items from 133 CONTENTdm servers
Search Engine Optimization for Worldcat.org

- 1,082,238,903 Referrals to WorldCat.org from search engines (e.g., Google), online bookstores and social networking site since 2005

- Search engines index everything that is visible on the detailed record pages. If a user can see it without being authenticated, it is indexed by the search engines
  - [http://www.oclc.org/support/services/worldcat-org/faq.en.html](http://www.oclc.org/support/services/worldcat-org/faq.en.html)
Librarians should embrace linked data

Data sharing in libraries doesn’t have to be daunting for librarians, writes David Stuart.

Research Information: April/May 2014

If libraries are to realise the value of the data they have been building and refining over many years, then it is not enough for them to just embrace the web of documents, they must also embrace the web of data. The associated technologies may seem complex and impenetrable but the idea of libraries embracing the web of data doesn’t have to mean that every librarian has to embrace every bit of technology.


Embrace linked data, but do it your way
### Related Subjects:

- Space flight
- Space photographs
- Space programs
- Space vehicles

### Linked Data

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<td>871010833</td>
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<tr>
<td>library-placeOfPublication</td>
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<td>schema:Country</td>
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<tr>
<td>owl:sameAs</td>
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<td>schema:MediaObject</td>
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<td>1.0 Content Type: Generic Resource</td>
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<td>[<a href="http://purl.oclc.org/dataset/WorldCat">http://purl.oclc.org/dataset/WorldCat</a>]</td>
</tr>
</tbody>
</table>

**Moscow from Space**

- **Publisher**: NASA
- **Database**: WorldCat
- **Summary**: ISS030-E-185521 (28 March 2012) — Moscow, the center of this nighttime image photographed Expedition 32 crew members aboard the International Space Station, flying at an altitude of approximately 244 kilometers above the Earth. The view is to the north-northwest from a radial distance of 49.4 degrees north latitude and 42.1 degrees west longitude. (not yet rated)
A sneak peek: Using WorldCat to create linked data for your digital item records

**Rating**

Based on 0 rating(s)

**Title**

Moscow from Space

**Subject**

Space flight
Space photographs
Space programs
Space vehicles

**Description**

ISS030-E-185321 (28 March 2012) --- Moscow, Russia appears in the background. Expedition 30 crew members aboard the International Space Station for the space station is on the left side of the frame. The view is latitude and 42.1 degrees east longitude, about 100 miles west of small sample of Aurora Borealis, airglow and daybreak.

**Publisher**

NASA

**Series Title**

Astronomy Picture of the Day

**Rights**

1. You may use NASA imagery, video and audio material if it is found in textbooks, public exhibits and Internet Web pages.

**OCLC number**

871010833

**OCLC refurl**

http://www.worldcat.org/oclc/871010833

**OCLC rdf**

http://www.worldcat.org/oclc/871010833.rdf

**OCLC jsonld**

http://www.worldcat.org/oclc/871010833.jsonld
Get started: share your metadata with WorldCat using the Digital Collection Gateway
Using the Gateway, you drive: configure your record display & set your own harvest schedule

– Customize the WorldCat.org display to best meet end user needs
– Schedule your harvests as appropriate for your collection’s growth
And for those who manage several systems:

- Gateway available to all OAI-PMH repositories—
  - DSpace, Digital Commons, Islandora, etc.
  - AND, the synchronization is built in for CONTENTdm
But how does the Gateway work?
Self-service profiling and harvest scheduling

The default map gives good WorldCat.org keyword recall...
But as users expect precision with recall, you can customize your maps
After remapping, more precision—the Author search
Plus the power of linking to find other works by author

NGC 1499: The California Nebula

Courtesy Markus Noller
For CONTENTdm and all your OAI-PMH collections
Use the Gateway to WorldCat.org

• With CONTENTdm
  • Connect through CONTENTdm Server/Harvesting/WorldCat Sync

• With other repository systems
  • Register at https://worldcat.org/DigitalCollectionGateway/register.jsp

• Resources:
  • Best Practices for CONTENTdm and other OAI-PMH compliant repositories: creating shareable metadata
  • VERSION 3.1 AVAILABLE ON THE USER SUPPORT CENTER
Demonstration and Q&A

✓ A CONTENTdm collection is built
✓ A CONTENTdm Project is created and used
✓ A CONTENTdm Website is configured
✓ CONTENTdm collections are enabled for discovery in WorldCat!
Workstation requirements to run the client

- Microsoft® .NET Framework 3.5 or higher (or Internet connection for downloading .NET 3.5).
- Microsoft® Windows XP with SP2 or SP3 32-bit, Windows Vista 32-bit or 64-bit, or Windows 7 32-bit or 64-bit. For sites processing large volumes of files, 64-bit operating system is recommended.
- Windows XP: 512 MB RAM minimum; 1 GB RAM recommended. Windows Vista and Windows 7: 1 GB RAM minimum; 2 GB RAM recommended. For sites processing large volumes of files, 4 GB RAM is recommended.
- 2 GB of available hard-disk space for installation (a portion of this disk space will be freed after installation if the original download package is removed from the hard drive).
- Minimum display resolution of 1024 × 768.
- 256Kbps or faster connection.
- Adobe® Reader 8 or later.
How do I get the Project Client?

- Download from the USC at www.contentdm.org
Register first, then log into the User Support Center: www.contentdm.com/USC
Choose Downloads tab

**User Support Center**

Search within Entire Site

Enter a search term

Advanced search

---

**Downloads & Guides**

- Downloads Home
- Plugins, Tools & Extensions
- Previous Versions
- Web Templates

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**Project Client**

**Download Project Client Version 6.1.2**

Save the zip file below to your computer and run the executable to install.

**Right-click to save:**

- `InstallProjectClient612.zip`

Project Client 6.1.2 is a minor bug fix release. It fixes two bugs that, while significant in their effects, affect only a tiny proportion of Project Client users.

- Records are deleted from project when thumbnail is replaced and application is closed prior to uploading (CDM-4605)
- Records cannot be approved when field nicknames are reserved terms "parent" or "item" (CDM-4418, CDM-5059)

Project Client will auto-update to 6.1.2 if you have Project Client 5.2 or later installed. If you are unable to use auto-update, you can install Project Client 6.1.2 from the zip file above.

**Compatibility of Server and Project Client**

Project Client 6.1.2 should work with all CONTENTdm Server versions 5.4 or later.

OCLC strongly recommends updating to the latest Project Client and Server.
CONTENTdm Live Training—
Face to Face, Hands-on experience

• At your organization
  — At your schedule
  — Two days on-site
  — Online sessions before and after
Live online CONTENTdm training available at no cost, by OCLC

- Free training series
- 3 modules
- Monthly
- Register on the Portal

http://training.oclc.org/
For further help with CONTENTdm and WorldCat Digital Collection Gateway

- CONTENTdm User Support Center
  [http://www.oclc.org/contentdm](http://www.oclc.org/contentdm) (Logon)

- CONTENTdm technical support
  [contentdmsupport@oclc.org](mailto:contentdmsupport@oclc.org)
  (Toll free  877-797-0887)

- General CONTENTdm info email:
  [contentdm@oclc.org](mailto:contentdm@oclc.org)

- Free, live online CONTENTdm training
  [http://training.oclc.org](http://training.oclc.org)

- Digital Collection Gateway support
  [support@oclc.org](mailto:support@oclc.org)
Monthly CONTENTdm Office Hours

Quick starters:
Second Tues. Noon PDT

Tech talk:
Fourth Thurs. 11 am PDT

See: User Support Center
www.contentdm.org/login