Take This Code and Shove It - RSS/Facebook Integration

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CONTENTdm & Facebook Integration
Facebook sharing widgets—what are they?

- Allow users to “share” (add a link to) items in your CONTENTdm collection on their Facebook pages without having to cut and paste the reference URL.
- Shared items are added to the user’s “wall” in Facebook along with any description the users adds to accompany the link.

This icon could be on YOUR CONTENTdm viewer menu!
Sharing Facebook: how is it done?

• Overview:
  – Access the Facebook widgets site
  – Customize the sharing widget
  – Add the widget code to your CONTENTdm viewers
  – VOILA!!
Sharing Facebook: step 1: Access the Facebook widget site

http://www.facebook.com/facebook-widgets/share.php
Sharing Facebook: step 2: Customize the sharing widget

- Customizations
  - Uncheck Counter: Include Counter checkbox.
  - Check Style: Link
Sharing Facebook: step 3: Add the sharing widget code to CONTENTdm

- Find the “Paste this code in the body of your site” box:
- Paste this code:

  ```html
  <a name="fb_share" type="icon_link" href="http://www.facebook.com/sharer.php">Share</a>
  <script src="http://static.ak.fbcdn.net/connect.php/js/FB.Share" type="text/javascript"></script>
  ```

- Into:
  - `includes/document_sub.php` lines 47-48 (approx)
  - `includes/item_view_sub.php` lines 7-8 (approx)
Sharing Facebook: step 3: Add the sharing widget code to CONTENTdm

- includes/document_sub.php lines 47-48 (approx)

```php
</div>

<a href="javascript:addPageFav()" title="&lt;=?altaddpagefav?>"><div class="center"

<a href="javascript:addItemFav('&lt;=?$_GET['CISOROOT']?'','&lt;=?$_GET['CISOPTR']?'')" title="&lt;=?altaddthisfav?>">Add document to favorites</a>

<a href="javascript:pop2('citation.php?CISOROOT=&lt;=?$_GET['CISOROOT']?'&amp;CISOPTR='+citationUrl()+'&apos;500', '160')" title="&lt;=?L_REFERENCE_URL_TEXT?>">Reference url</a>

<script src="http://static.ak.fbcdn.net/connect.php/js/FB.Share" type="text/javascript"></script>

The Facebook share button should now appear after Reference URL on the toolbar in document_sub.php
```
Sharing Facebook: step 3: Add the sharing widget code to CONTENTdm

• includes/item_view_sub.php lines 7-8 (approx)

```
1  <div id="document_top_menu">
2  
3    <div class="left">
4      <a href="javascript:addItemFav('$_GET['CISOROOT']','$_GET['CISOPTR']')" title="$_ALT_ADD_FAV;">Add to favorites</a>&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&nbsp;&n
```
Now you have a Facebook sharing widget within CONTENTdm!

- Allows users to **easily** link to items from your CONTENTdm collection on their Facebook pages
- Shared items appear on the user’s “wall” in Facebook

This is the screen the user is taken to if they click the Facebook share link!
Summary – Integrating Facebook with CONTENTdm allows users to easily share items in your collections with others

- To integrate Facebook with CONTENTdm you need to:
  - Go to the Facebook widgets site
  - Customize the sharing widget
  - Add the widget code to your CONTENTdm viewers
  - YOU’RE DONE!!
Sharing Facebook: More information

Adding RSS feeds to your hosted CONTENTdm

With special thanks to Terry Reese at Oregon State University for creating the initial code and Jessie Lu & Dean Farrell at the State Library of North Carolina for modifying it to work in a hosted environment
RSS feeds—what are they?

- Allow users to “subscribe” to updates to your CONTENTdm collection
- Updates are read in an RSS aggregator like Bloglines, Google Reader, etc. AND can be embedded into a website
- Shows newly-added items and also existing items that have been updated

**RSS FEED**

View Recent Additions

<table>
<thead>
<tr>
<th>LINC: Log into North Carolina</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provides demographic statistics from state and...</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NC census lookup</th>
</tr>
</thead>
<tbody>
<tr>
<td>An interactive Web application providing a...</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>N.C. Council of Internal Auditing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Describes the role of the N.C. Council of...</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>North Carolina tax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serves as a guide to the North Carolina tax...</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>N.C. Office of State Library Management memorandums</th>
</tr>
</thead>
<tbody>
<tr>
<td>Official notices from the N.C. Office of State Library Management memorandums</td>
</tr>
</tbody>
</table>

This could be on YOUR CONTENTdm collection website!
RSS feeds: how is it done?

- **Overview:**
  - **create** the rss.php file
  - put it in your cdm4 folder
  - edit rss.php file as necessary to customize it
  - add a link (wherever you want it) to the rss.php file in cdm4
  - MAGIC!!!
RSS: step 1: create the rss.php file

- We’ve put it online for you:
  - go to http://statelibrarync.org/rss.txt
  - copy the rss.txt file
  - Save the file as rss.php

This is the step where you “take” the code you will eventually “shove” into your CONTENTdm folder.
RSS: step 2: paste the rss.php file into CONTENTdm

- Paste the file directly into the cdm4 folder (not any subfolders)
- You may notice the other rss files in the image below. We will come back to them later.

This is the “shoving” part of the process!
RSS: step 3: edit & customize the rss.php file

- Edit the rss.php file to customize it for your institution!
- Open the file in a web editor like Dreamweaver, Notepad ++, or Eclipse (not wordpad or notepad!)
- What kind of edits?
  - title of the RSS feed itself
  - which collections the feed covers (can do one or multiple collections)
  - the elements you want displayed in your RSS feed items
  - time period covered by the feed (e.g., last 30 days, last 14 days)
• Change title and baseURL to reflect your own institution (duh!)
• This title does not display to the public

```java
/*
  define("BaseUrl", ["http://digital-library.ncdcr.gov/"]);
  define("OAIURL", BaseURL . "cgi-bin/oai.exe?verb=ListRecords&metadataPrefix=oai_dc{set}&from={st
  define("DEF_TITLE", ["State Library of North Carolina Digital Repository"]) ;
```
RSS: editing: which collections to search

- Can pull new items from all your collections at once, a group, or just one
- The current text is for searching all collections
- To set it to a specific collection, replace $set = " " with $set = "collectionalias" where "collectionalias" is the name of the collection (e.g., p15012coll5)

```php
set_time_limit(900);

$set = ''; // can put a collection id in the quotes to limit feed to a particular collection. Example '/p249901coll137'
$coll_title_link = BaseURL;
```
This is where the other rss file names from our cdm4 directory come in
We have the rss.php file that pulls items from all collections and then we have other rss.php files named by collection
We do this so we can link to a specific collection’s updates on the collection specific website

These are the collection specific rss.php files
RSS: editing: which collections to search

- Just so you have a visual of what I am referring to…

The State Library of North Carolina Digital Repository provides online access to current and historical North Carolina state government information and North Caroliniana. First made available in the spring of 2006, the Digital Repository supports instructional and research needs related to the history and culture of North Carolina by making many of the unique and valuable holdings of the State Library of North Carolina easily accessible via a fully searchable, online database.

This icon links to our rss.php file and is on the home page of our digital repository.

This icon links to our rss-bible.php file and is on the “view collections” page of our digital repository.

North Carolina Family Records Online
Pieces, a name reflects their personal heritage and provides a family history. Through this collection, the State Library of the North Carolina State Archives seek to harness the power of North Carolina Family Records Online currently contains over 200 Bible marriages, and death information recorded in North Carolina (18th, and 20th centuries). The collection also contains a wide variety of other data such as birth, marriage, and death notices that appeared in five North Carolina newspapers, 1793-1893.
RSS: editing: elements for display

- Pick the elements you want to display in your RSS feed items
- For example: title, link, publication date of item, creator, etc.
- these elements come from the Dublin Core metadata
- the term in <> is the XML element and the term in [] is what CONTENTdm reads to pull the appropriate data

```php
function buildItem($DCValues) {
    $string = "<item>
        " . $DCValues['title'] . "</title>\n" .
        "<link>" . $DCValues['identifier'] . "</link>\n" .
        "<pubDate>" . date('D, d M Y', strtotime($DCValues['datestamp'])) . " 00:00:00 +000
        "<dc:creator>" . $DCValues['creator'] . "</dc:creator>\n";
    $words = explode(" ", $DCValues['description']);
    if (count($words) > 50) {
        $string .= "<description><![CDATA[" . implode(' ', array_slice($words, 0, 50)) . "[...]
    } else {
        $string .= "<description><![CDATA[" . $DCValues['description'] . ""]]>"
    };
    $string .= ""]></description>
    $string .= "</item>\n";
    return $string;
}
```
RSS: editing: more elements for the feed

- More info to be put in the feed item.
- “Get MetaData” creates a link to the full item in your CONTENTdm collection.

```php
$string = "";
$string = "<!--" .BaseUrl . "cgi-bin/getimage.exe?CISOROOT=/"
if ($this->url_exists(BaseURL . "cgi-bin/getimage.exe?CISOROOT=

        $string = "<img src="" .BaseUrl . "cgi-bin/getimage.exe?CI
} 
$string .= "<p>" . $description . "<br /><br />
"Subjects: " . $subjects . "<br /><br />
"<a href="" . $uri . "">Get MetaData</a></p>";
return $string;
}

function url_exists($url) {
    $data = file_get_contents($url);
```
RSS: Here’s what the elements look like in action

• Here’s an item from our feed, showing data pulled from Title (linked through the reference URL to the record in CONTENTdm), Creator, Description, and Subjects fields, plus the GetMetaData link that takes the viewer to the full metadata for the item.

Statewide accounts receivable report, for the year ended ...

By North Carolina. Office of the State Controller.

Annual; Description based on: 1998; title from opening screen (viewed on October 7, 2009).; Report year endowed title: North Carolina.

Get MetaData
RSS: editing: time period for feed items

- Choose the number of days of updates you want included in your feed by editing the timestamp
- the minus sign in front of the number of days is essential!

```php
// make timestamp
$timestamp = mktime(0, 0, 0, $datearr[1], $datearr[2], $datearr[3]);

// increment date, you can alter the number of days
$newtimestamp = strtotime("-14 days", $timestamp);

// change to readable date
$startdate = strftime("%Y-%m-%d", $newtimestamp);
```

- Choose the total number of updates you want included in your feed by editing the default item number limit from 20
- there is no minus sign in front of the number of items!

```php
if ($i == 20) { // can change $i to any number to limit number of records shown to that number. Default is 20 records.
    break;
}
```

change "-14" to "-30" to harvest updates from the last 30 days
change "20" to "5" to limit the number of items in the feed to 5
RSS: step 4: create a link to your feed

• On the webpage where you want users to know you have a feed, add a link to the rss.php using the following code:

```html
<a href="../rss-bible.php" target="_blank"><img src="../images/feed-icon.jpg" /></a>
```

• Use of the RSS icon is recommended:

• You can see this in action on our webpage:

http://digitalstatelibnc.cdmhost.com/cdm4/view/all.php

For countless families, a name reflects their personal heritage and provides a direct link to their rich family history. Through this collection, the State Library of North Carolina and the North Carolina State Archives seek to harness the power of the name. North Carolina Family Records Online currently contains over 200 Bible Records (lists of birth, marriage, and death information recorded in North Carolina Bibles throughout the 18th, 19th, and 20th centuries). The collection also contains a six-volume index of marriage and death notices that appeared in five North Carolina newspapers from 1799-1893.

Browse collection | Search collection

Here it is!
RSS: step 4: create a link to your feed

- Or you can embed the feed into your webpage using a feed burner of some sort
- You can see this in action on our NC MOSAIC collection webpage: http://www.mosaic.ncdcr.gov/

WELCOME!

Search or browse NC MOSAIC to find collections of government-related information held by local, county, and state agencies, and public and private academic institutions throughout North Carolina.

[RSS feeds may take a moment to load.]

RSS FEED

View Recent Additions

- **N.C. Code Officials Qualifications Board certification forms**
  Contains Code Officials Qualification Board...

- **Safe Kids North Carolina data and methods**
  Contains PowerPoint files with statistical...

- **Safe Kids North Carolina educational materials**
  Contains brochures and flyers online for t...

- **N.C. Office of State Fire Marshal history**
  Gives a brief history of the North Carolin...

- **N.C. Office of State Fire Marshal publications**
  Provides access to the North Carolina Offi...

RSSbox powered by rssinclude.com
RSS: step 4: create a link to your feed

- Here is how we did it using rssinclude
- Go to www.rssinclude.com and register for a free account
- Once you are logged in click “create a new RSS box”
- Choose your layout and paste the URL to your rss.php file in the box
- Click “add feed”
- Customize your feed by adjusting the settings on the “Content and Styling Options” tab and click “Save & Preview”
- Then select the “Include!” tab and the code you will need to add to your site is waiting for you
- You will need to adjust to your webpage design/layout
Now you have an RSS feed!

- The feed will display items that are new to your collection, and items that have been updated.
- This includes edits to metadata of existing items.
Summary – Use RSS to shine a spotlight on new items added to your collections

• To add RSS feeds of your CONTENTdm collections you need to:
  – create an rss.php file (use ours as a starting point)
  – place the rss.php file in your cdm4 folder
  – edit rss.php file to customize the feed
  – link to the rss.php file so users can see the feed
  – YOU’RE DONE!!!