



Take This Code and Shove It - RSS/Facebook Integration

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Government & Heritage Library
State Library of North Carolina

<http://digital-library.ncdcr.gov>



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

of North Carolina Digital Repository

Advanced Search | Preferences | My Favorites | About Us | Help | Other Dig

document to favorites | Add page to favorites | Reference url | Share

Document description

1980 CENSUS OF POPULATION AND HOUSING, NORTH CAROLINA, TAPE FILE 1A

NORTH CAROLINA
GEOGRAPHY: LRD

1. PERSONS BY URBAN AND RURAL

TOTAL
INSIDE URBANIZED AREAS
OTHER URBAN
RURAL

35. PERSONS PER HOUSEHOLD

7. PERSONS BY RACE

WHITE	500	AMERICAN INDIAN, ESKIMO, ALEUT, AND	2669
BLACK	241	ASIAN AND PACIFIC ISLANDER (4)	10761
AMERICAN INDIAN, ESKIMO, ALEUT, AND	19574	OTHER (3)	

12. PERSONS BY AGE BY RACE

	UNDER 5 YEARS	5 TO 17 YEARS	18 TO 64 YEARS	65 YEARS AND OVER
TOTAL	404076	1253639	3620850	603181
WHITE	278979	875368	2814314	484846
BLACK	113921	347695	743266	113975
AMERICAN INDIAN, ESKIMO AND ALEUT	6592	18503	36132	3425
ASIAN AND PACIFIC ISLANDER (4)	2058	4368	14124	646

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!!

 **Government & Heritage Library - part of the State Library of North Carolina** Picture of the Week: Gerard Andrew and Jane Simmons Bolick Family Bible Records



 Yesterday at 9:21am · Comment · Like · Share

 2 people like this.

 **Government & Heritage Library - part of the State Library of North Carolina** The above image is one of several photographs taken of Gerard Andrew and Jane Simmons Bolick's Family Bible. There are several historic family bibles that have been digitized.
Yesterday at 9:24am · Report



Sharing Facebook: step 1: Access the Facebook widget site

<http://www.facebook.com/facebook-widgets/share.php>

The screenshot shows the Facebook 'Share' widget configuration interface. At the top is the Facebook navigation bar with the 'facebook' logo and links for Home, Profile, Friends, and Inbox. On the right, it shows the user 'Jennifer Ricker' with links for Settings and Logout, and a search bar. The main content area is titled 'Share' and includes a sidebar with 'Widgets Home', 'Share' (selected), 'Fan Box', and 'Page Badges'. The 'Share Button' configuration section includes: 'Style' with radio buttons for 'Button' (selected) and 'Link'; 'Counter' with a checked checkbox for 'Include Counter' and radio buttons for 'Above Button' and 'Inline with Button' (selected); and a 'Link to share' dropdown menu set to 'URL of parent page'. A 'Preview' section shows a 'Share' button with a '48K' counter. At the bottom, there is a text box containing the HTML code for the share button.

facebook Home Profile Friends Inbox Jennifer Ricker Settings Logout Search

Share

Widgets Home
Share
Fan Box
Page Badges

Share Button Documentation

The Share Button is the easiest way to allow your content to be shared on Facebook.

Style: Button Link

Counter: Include Counter Above Button Inline with Button

Link to share: URL of parent page

Preview:

```
<a name="fb_share" type="button_count" 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>
```



Sharing Facebook: step 2: Customize the sharing widget

- Customizations
 - Uncheck Counter: Include Counter checkbox.
 - Check Style: Link

Share Button

The Share Button is the easiest way to allow your content to be shared on Facebook.

Style: Button
 Link

Counter: Include Counter

- Above Button
- Inline with Button

Link to share: 

Preview:





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:

Paste this code in the body of your site:

```
<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>
```

Take this code and...

- Into:
 - includes/document_sub.php lines 47-48 (approx)
 - includes/item_view_sub.php lines 7-8 (approx)

Shove it into these two files!



Sharing Facebook: step 3: Add the sharing widget code to CONTENTdm

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

```
document_sub.php  item_view_sub.php
Code Split Design Title:
40
41 <div class="center">
42 <a href="javascript:addItemFav('<?=$_GET['CISOROOT']?>','<?=$_GET['CISOPTR']?>')" title="<?=$_altaddthisfav?>">Add
document to favorites</a>&nbsp;&nbsp;&nbsp;|&nbsp;&nbsp;&nbsp;
43 <a href="javascript:addPageFav()" title="<?=$_altaddpagefav?>">Add page to favorites</a>&nbsp;&nbsp;&nbsp;|&nbsp;&nbsp;&nbsp;
44
45 <? if((defined('L_REFERENCE_URL')) && (L_REFERENCE_URL != "")){ ?>
46 <a href="javascript:pop2('citation.php?CISOROOT=<?=$_GET['CISOROOT']?>&CISOPTR='+citationUrl(),'500', '160')"
title="<?=$_L_REFERENCE_URL_TEXT?>">Reference url</a>&nbsp;&nbsp;&nbsp;|&nbsp;&nbsp;&nbsp;
47 <!-- links to Facebook -->
48 <a id="facebook" name="fb_share" type="icon_link" href="http://www.facebook.com/sharer.php"></a><script src=
"http://static.ak.fbcdn.net/connect.php/js/FB.Share" type="text/javascript"></script>
49 <? } ?>
50 </div>
51
52 </div>
53
```

- 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)

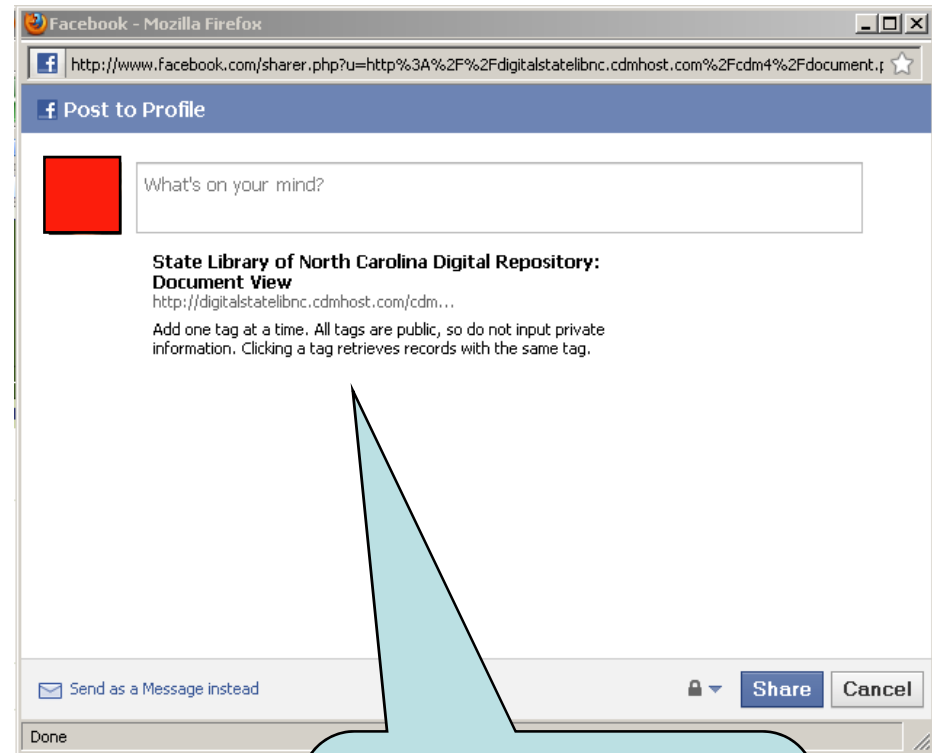
```
document_sub.php item_view_sub.php
Code Split Design Title:
1 <div id="document_top_menu">
2
3   <div class="left">
4     <a href="javascript:addItemFav('<?=$_GET['CISOROOT']?>','<?=$_GET['CISOPTR']?>')" title="<?=L_ALT_ADD_FAV?>">Add to
favorites</a>&nbsp;  |&nbsp;  
5     <? if((defined('L_REFERENCE_URL')) && (L_REFERENCE_URL != "")){ ?>
6       <a href="javascript:pop2('citation.php?CISOROOT=<?=$_GET['CISOROOT']?>&CISOPTR=<?=$_GET['CISOPTR']?>', '400',
'150')" title="<?=L_REFERENCE_URL_TEXT?>">Reference url</a>&nbsp;  |&nbsp;  
7       <!-- links to Facebook -->
8       <a id="facebook" name="fb_share" type="icon_link" href="http://www.facebook.com/sharer.php"></a><script src=
"http://static.ak.fbcdn.net/connect.php/js/FB.Share" type="text/javascript"></script>
9       <? } ?>
10    </div>
11
12   <div class="right">
13     <? if(!isset($_COOKIE["refer"])) || ($_COOKIE["refer"] == ""){ ?>
14       Back to results&nbsp;  |&nbsp;  
```

- The Facebook share button should now appear after Reference URL on the toolbar in item_viewer.php



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



[http://wiki.developers.facebook.com/index.php/Connect/Using Facebook Share](http://wiki.developers.facebook.com/index.php/Connect/Using_Facebook_Share)



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

LINC : log into North Carolina

Provides demographic statistics from state and f...

NC census lookup

An interactive Web application providing a...

N.C. Council of Internal Auditing

Describes the role of the N.C. Council of ...

North Carolina tax

Serves as a guide to the North Carolina ta...

N.C. Office of State Management

memorandum

Official notices

RSSbox powered

This could be on
YOUR
CONTENTdm
collection website!



RSS feeds: how is it done?

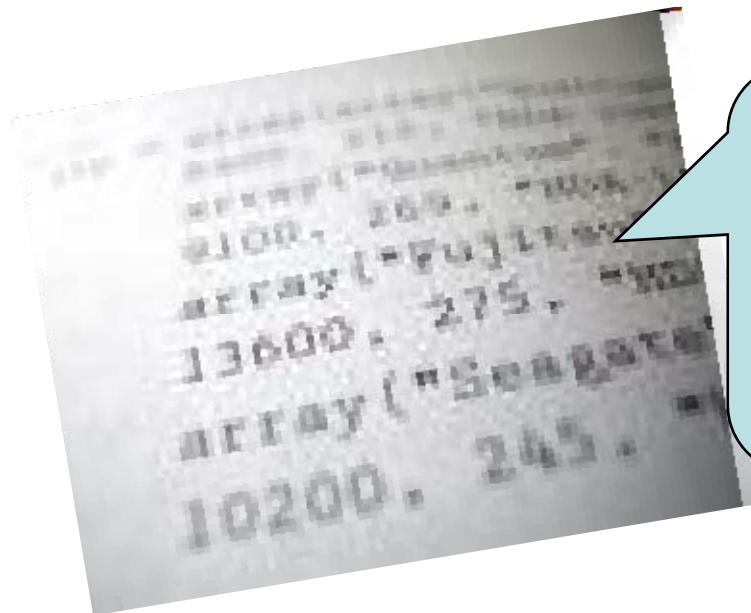
- Overview:
 - create the rss.php file
 - put it in your cdm4 folder
 - edit rss.php file as necessary to customize it
 - add a link (wherever you want it) to the rss.php file in cdm4
 - MAGIC!!!

1 subscriber		related feeds	mark all new
NC MOSAIC			
10 Items	Sort Oldest First	Updated: Wed, Sep 30 2009 9:24 AM	
N.C. Office of State Budget and Management memorandums			
Official notices, guides, updates, and directives regarding policies and procedures issued by the Office of Management directing expenditure of state funds .			
Subjects: Budget--North Carolina--Handbooks, manuals, etc.; Budget--North Carolina--Planning.; Gov Standards--North Carolina.; Government spending policy--North Carolina.; Administrative agencies--North Carolina--Management--Auditing.; Administrative agencies--North Carolina--Finance.; Get MetaData			
Posted on: Mon, Sep 28 2009 8:00 PM Email This Clip/Blog This			
N.C. Office of State Budget and Management results based budgeting			
Provides a brief overview of the Office of State Budget and Management's results based budgeting mea Missions, goals, and services are compared with key progress indicators.			



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**

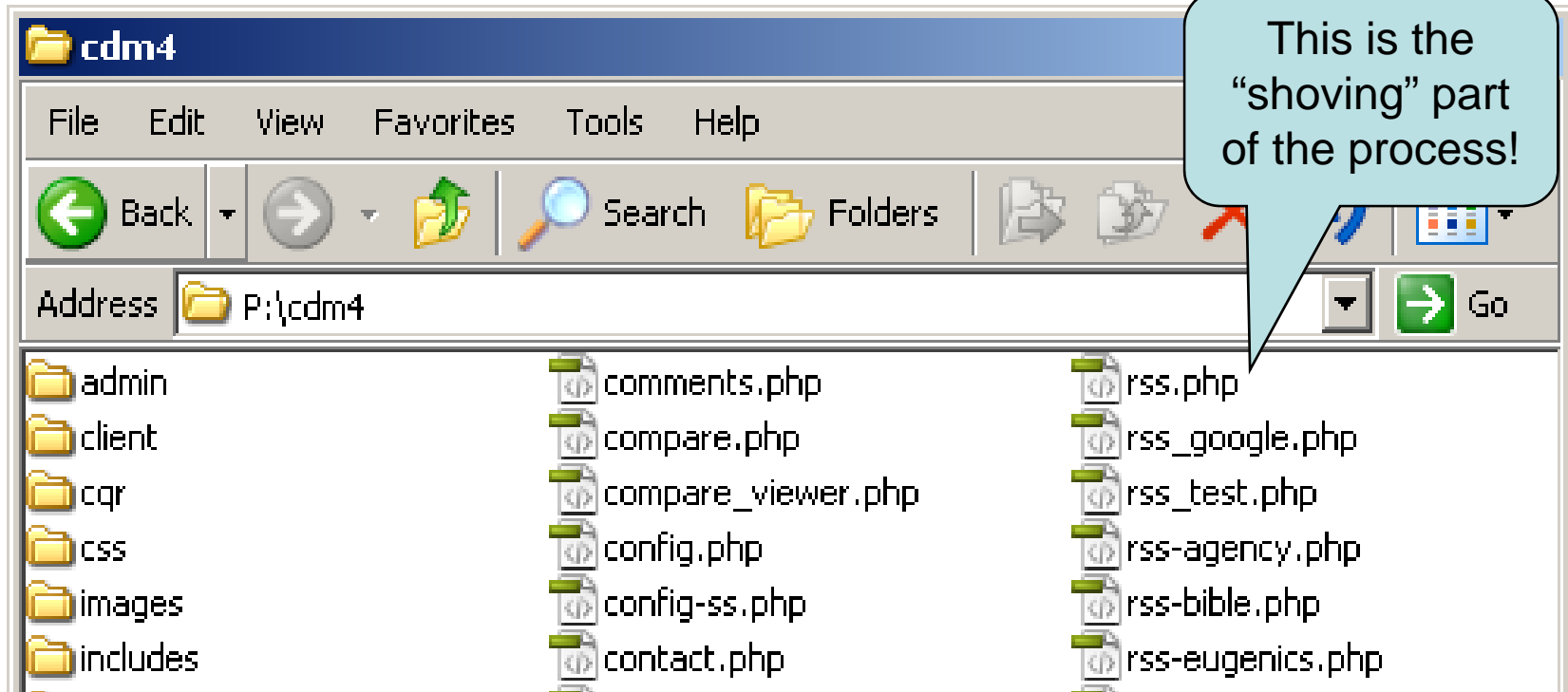


This is the step where you “take” the code you will eventually “shove” into your CONTENTdm folder



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.





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)



RSS: edits: title of feed

- Change title and baseURL to reflect your own institution (duh!)
- This title does not display to the public

```
*/
```

```
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

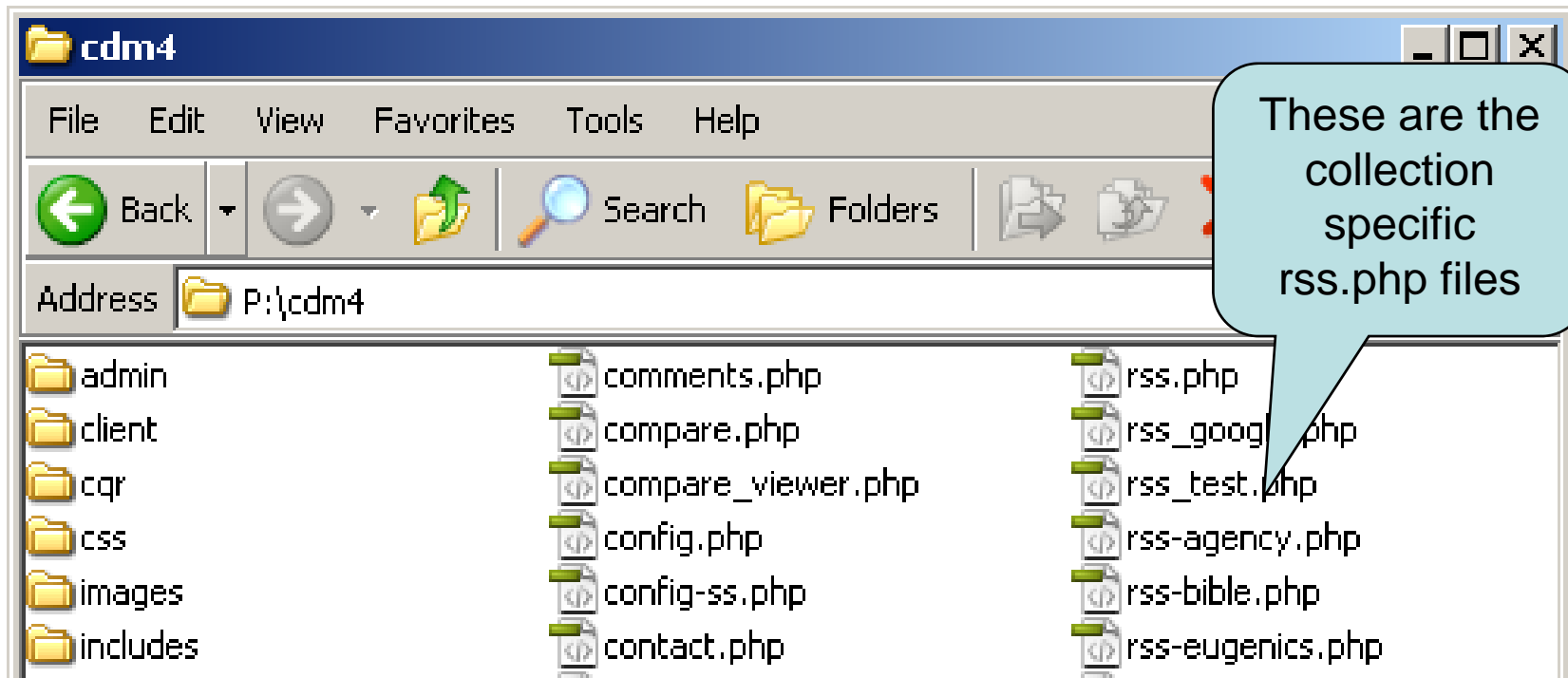
- Can pull new items from all your collections at once, a group, or just one
- The current text is for searching all collections
- To set it to a specific collection, replace `$set = " "` with `$set = "collectionalias"` where "collectionalias" is the name of the collection (e.g., p15012coll5)

```
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;
```



RSS: editing: which collections to search

- 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





RSS: editing: which collections to search

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

The screenshot shows the homepage of the State Library of North Carolina Digital Repository. At the top, the title "State Library of North Carolina Digital Repository" is displayed. Below the title is a paragraph of introductory text. A "Featured Collection" section is visible, featuring a collection titled "North Carolina Family Records Online". Two callout boxes with speech bubble shapes provide additional information:

- Callout 1:** Points to an RSS icon in the top right corner of the page. Text: "This icon links to our rss.php file and is on the home page of our digital repository".
- Callout 2:** Points to an RSS icon located below the "North Carolina Family Records Online" collection. Text: "This icon links to our rss-bible.php file and is on the 'view collections' page of our digital repository".

At the bottom of the collection section, there are links for "[Browse collection](#)" and "[Search collection](#)", followed by another RSS icon.



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

```
}  
  
function buildItem($DCValues) {  
$string = "<item>\n" .  
    "<title>".$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"] . "]]></description>\n"  
    }  
$string .= "<content:encoded><![CDATA[" . $DCValues["description"] . "]]></content:encode  
$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.

```
$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 />\n" .  
    "Subjects: " . $subjects . "<br />\n" .  
    "<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 en
title: North Carolina.

Subjects: Finance, Public--North Carolina--Periodicals.; Accounts receivable--North Carolina--Periodicals.; Fina
Carolina--Periodicals.

[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!

```
// make timestamp
$timestamp = mktime(0,0,0,$datearr[1],$datearr[2]
// increment date, you can alter the number of days
$newtimestamp = strtotime("-14 days", $timestamp);
// change to readable date
$startdate = strftime("%Y-%m-%d", $newtimestamp);
```

change "-14" to "-30" to harvest updates from the last 30 days

- 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!

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


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:

```
<a href="./rss-bible.php" target="_blank"></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>

Modify this code to reflect your file names/locations

North Carolina Family Records Online

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 Boar...

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!!!

