Changing Image Display

One way to customize collections is to change the settings of the four viewers within the CONTENTdm Web templates to improve the display of your collection. You can change the viewer default settings globally for all collections on the server if you have any of the server administration rights (to add collections, delete collections, or administer users). You can change the viewer default settings for individual collections if you have collection rights to configure settings and field properties in CONTENTdm Administration.

Learn About

Section I: Overview

Section II: Changing Viewer Settings

Item Viewer

Compound Object Viewer

Section III: Creating Viewer Settings for a Specific Collection

Section IV: Disabling the Image Toolbar

Section V: Other Customizations to Your Collections

Section I Overview

The CONTENTdm Web templates use four different viewers to display items and objects.

- **Item Viewer**: Activated when a user selects an item from the browse or search results page.
- **Compound Object Viewer**: Activated when a user views a compound object.
- **Slideshow Viewer**: Activated when a user views the images saved in My Favorites as a slideshow.
- **Compare Viewer**: Activated when a user compares two different images from the My Favorites page.

All viewers have an Image Toolbar that enables the user to zoom in or out, pan to different areas in the image, rotate the image, and clip a portion of the image to save, e-mail, or print. (You can specify which file types display with the Image Toolbar.)

The initial display sizes of the viewers and the images are controlled by values in configuration files stored on the CONTENTdm Server. CONTENTdm administrators can define initial viewer display settings either globally for all collections on the server or distinctly for individual collections. (To define settings for all collections, use the Viewers page in CONTENTdm Administration under the **Server** tab. To define settings for individual collection, use the Viewers page in CONTENTdm Administration under the **Collections** tab.)

**Note:** Viewer settings at the collection level override any viewer settings that you configure at the server level.

This tutorial walks you through a few of scenarios in which you would want to change the viewer default display settings. As a general guideline, always view several images in the viewer that you changed settings for to confirm that the changes provide the expected results.
Section II  Changing Viewer Settings

For each type of viewer (the Item Viewer, the Compound Object Viewer, the Compare Viewer, and the Slideshow Viewer), you can edit display settings for width, height, default scale, and whether the thumbnail is displayed. These settings can be changed either server-wide for all collections or for individual collections, as described in Section III.

When changing settings, confirm that the settings work well for all types of images and objects in your collection.

Item Viewer

The default settings for an image in the item viewer are 600 pixels wide and 600 pixels high, with the default scale set at W. For images with similar heights and widths, these settings may work well. For other images, such as those that are oriented vertically, a portion of the image is cut off. For collections on your server that contains mostly vertical images, you may wish to change the Viewer height value.

One solution would be to adjust the Viewer height value from 600 pixels to automatically adjust to show the full image height dimension at given zoom level (or A).

To make changes to the Viewer height setting for all collections:

1. Open CONTENTdm Administration.
2. Click the Server tab.
3. Click Viewers. The Viewer Settings page displays.

   CONTENTdm Administration
   
   Viewer settings (server level)
   View and configure the item and object viewers for collections on this server.
   Note: These global server settings are overridden by any viewer settings that you configure at the collection level.

   Enable Image Toolbar
   Note: File types that display with the Image Toolbar are specified in the Style file (STY_global style.php). Learn more >

   Enable Image Toolbar
   Yes

   Settings key
   * specially defined values
   A = automatically adjust to show full image dimension at given zoom level
   F = highest defined zoom level in which full image fits in defined viewer window
   W = zoom level in which image width fits exactly in viewer window

   Zoom levels
   Defined zoom levels in percentage of full size
   1.5625 3.125 6.25 12.5 25 50 100

   Thumbnail highlighting
   Highlight color

4. Click Edit to configure specific settings or restore defaults. The Edit Viewer Settings page displays. Enable Image Toolbar must be set to Yes in order to access viewer settings.
5. Scroll down to the **Item Viewer Settings** section.
6. Highlight the Viewer height default value and replace by typing capital A (settings are case-sensitive).

7. Click **Save** to apply changes.
8. View an image in your collection to confirm that the change has occurred.

**Note:** These global server settings are overridden by any viewer settings that are configured at the collection level.

Figure 1 shows a vertical image with the default Item Viewer settings. The bottom portion of the image is not displayed in the default view.
Figure 1: Image with Default Dimensions

The following figure shows the same image when the Viewer height dimension is set to A. The entire image is displayed.
Changing Image Display

Figure 2: Image with ViewerHeight set to A

**Compound Object Viewer**

The Compound Object Viewer has default settings of 750 pixels for width and a setting of A for height. This setting means that the image automatically adjusts to show the full image at the given zoom level. For standard, vertical images, this often means the end user has to scroll down the page to see the entire image.

Figure 3 shows a document with the default settings in the Compound Object Viewer.
Changing Image Display

Depending on the size of your images, you may wish to define a smaller default window size so the entire image displays, as shown in Figure 4.

Figure 4 shows the same document with a defined Compound Object Viewer of 600 x 600 with the Compound Object Viewer default scale set to F, showing the full document in the defined window.

This change can be implemented by editing two Viewer settings.
Changing Image Display

To make changes to the Compound Object Viewer default scale setting for all collections on the server:

1. Open CONTENTdm Administration.
2. Click the **Server** tab.
3. Click **Viewers**. The Viewer Settings page displays.

![CONTENTdm Administration](image)

**Viewer settings (server level)**

View and configure the item and object viewers for collections on this server.

*Note*: These global server settings are overridden by any viewer settings that you configure at the collection level.

<table>
<thead>
<tr>
<th><strong>Enable Image Toolbar</strong></th>
<th><strong>edit</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Settings key</strong></td>
<td><strong>view full key</strong></td>
</tr>
<tr>
<td><em>s</em> specially defined values</td>
<td></td>
</tr>
<tr>
<td>A = automatically adjust to show full image dimension at given zoom level</td>
<td></td>
</tr>
<tr>
<td>F = highest defined zoom level in which full image fits in defined viewer window</td>
<td></td>
</tr>
<tr>
<td>W = zoom level in which image width fits exactly in viewer window</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Zoom levels</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Defined zoom levels in percentage of full size</td>
</tr>
<tr>
<td>1.5625 3.125 6.25 12.5 25 50 100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Thumbnail highlighting</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Highlight color</td>
</tr>
<tr>
<td>FF0000</td>
</tr>
</tbody>
</table>

4. Click **Edit**. The Edit Viewer Settings page displays.
5. Define your Compound Object Viewer dimensions in pixels. In this example, we set both the **Compound Object Viewer width** and **Compound Object Viewer height** to 600 pixels.

6. Edit the **Compound Object Viewer default scale** setting from the default W to F (settings are case-sensitive).

7. Click **Save** to apply changes.

8. View an image in your collection to confirm that the change has occurred.

**Note:** These global server settings are overridden by any viewer settings that you configure at the collection level.

You may also decide that you want to enable the navigational thumbnail so that end users know where they are in the document when zooming in. To do so, change the **Compound Object Viewer default thumbnail** setting to **On**, and save your change.

### Section III  Creating Viewer Settings for a Specific Collection

Viewer settings can be configured for individual collections. You can create distinct settings for each collection on the server, if needed. Viewer settings at the collection level override any viewer settings that you configure at the server level.

**To create viewer settings for a specific collection:**

1. Open CONTENTdm Administration.
2. Click the **Collections** tab.
3. Click **Viewers**. The Viewer Settings page displays. If viewer settings are configured only at the server level, you will be prompted first to create settings for the collection.
4. Click **Create Settings** to create collection-level viewer settings and display the Edit Viewer Settings page.

5. Set **Enable Image Toolbar** to **Yes** to access viewer settings.
   - Configure zoom levels and various settings.
   - Change highlight colors by typing the hexadecimal value or by clicking the **Edit** links to display the color picker.
   - Restore default values by clicking **Restore Default Settings**. The default values are displayed for you to review. Click **Save** to save the default values.
   - **Note**: Settings are case-sensitive. For example, use capital A, F, or W.
   - **Note**: The addition of other zoom levels to the defined zoom level values can slow application performance by requiring additional calculations and processing. Test
Changing Image Display

your changes to verify that any noticeable delays are acceptable. The defined zoom level may not exceed 100.

6. Click **Save** to apply changes.
7. Confirm that the changes made provide the expected results by viewing several images in the collection.

**Section IV  Disabling the Image Toolbar**

The Image Toolbar works with TIFF, GIF, JPEG, and JPEG2000 images. The Image Toolbar automatically creates JPEG derivatives from those image types based on the defined image settings and zoom levels. When the Image Toolbar is enabled, you can zoom in and out, pan, rotate, and clip a portion of the image, and use your browser functions to send or save the clipping.

If you have a collection that has small images with nearly identical dimensions that do not benefit from zoom and pan functionality, you can disable the Image Toolbar. Disabling the Image Toolbar removes the toolbar from all viewers.

**Note:** Image rights options (banding, branding, watermarks) are only applied when the Image Toolbar is enabled. For more information about Image Rights, see **Image Rights**.

**To disable the image viewer for a collection:**

1. Open CONTENTdm Administration.
2. Click the **Collections** tab.
3. Click Viewers. The **Viewer** Settings page displays.
4. Change **Enable Image Toolbar** from **Yes** to **No**.

---

© 2009 OCLC

Page 10 of 12
5. Click **Save**.
6. View an image in your collection to confirm that the change has occurred.

When the Image Toolbar is disabled, an image displays inline, as shown below.

![Image Display Example](image.png)

**Figure 5: Without Image Toolbar**

If you have collections that contain multiple types of image files or various sizes, you can disable the Image Toolbar for some image types while keeping it enabled for others. This can be done by editing a variable in the global style file. (The following example applies to all collections on the server.)

**To disable the image viewer for specific file types:**

1. Open CONTENTdm Administration.
2. Click the **Server** tab.
3. Click **Viewers**. The Viewer Settings page displays.
4. Confirm that **Enable Image Toolbar** is set to **Yes**.
5. Open the `STY_global_style.php` file located in the `\docs\cdm4\client` directory on the CONTENTdm Server. Make a back-up copy of the file.
6. Find the S_ALLOWED_ZOOM_IMAGE_TYPES variable in the file. By default, the variable will list all supported file types.
   Default= "jpg, gif, tif, tiff, jp2"

7. Remove file types from the list to disable the Image Toolbar for that file type.
   For example, if you want the image viewer toolbar to display for JPEG2000 images only, remove jpg, gif, tif, and tiff, from the list.

   define("S_ALLOWED_ZOOM_IMAGE_TYPES", "jp2")

   Take care not to delete the double quotes. The image types must be separated by a comma.

8. Save and close the file.

9. View images in your collection to confirm that the change has occurred.

Section V  Other Customizations to Your Collections

There are other changes you can make to the item and object viewer settings, besides the examples shown here. You can modify the default viewing settings for all four viewers. You can turn thumbnail images off or on for all the viewers. You can change the word highlight settings for images that have been processed using the OCR extension. The changes you make should be based on your specific collections and what would work best for viewing them. For more information, see the Viewer Settings section in the Help files.

CONTENTdm also supports customizations for other areas of the Web templates. If you are interested in making additional customizations, refer to:

- Custom Queries and Results—Customize collection sites by creating custom queries and results.
- Customizing Display Views—Customize how search results and browse pages are displayed.
- Editing the Web Template Files—Customize color, font, text and headers and footers using the Web Templates.
- Creating Custom Pages—Add and customize new pages for your collections.