Learn how to select a metadata template, edit the metadata map, add metadata elements, add a thumbnail image, map other fields, and find information about advanced mapping features.

When you view the Metadata Map for a collection, the Gateway initiates the process of harvesting your metadata records for the selected collection. Harvesting takes place using the Open Archives Initiative Protocol for Metadata Harvesting (OAI-PMH). During the harvest, the Gateway transforms the Dublin Core records to WorldCat MARC records.

Note: While you are viewing or editing the Metadata Map, your metadata records are not being actively uploaded to WorldCat.

After transforming your metadata records to WorldCat MARC, the Gateway tests the MARC records to ensure they are valid. If there are validation errors, the Gateway reports which MARC fields contain the errors. Correcting validation errors requires that you change the mapping to delete or re-map the fields responsible for the error. It may be helpful to use the MARC view when making these adjustments. For more about MARC view, see Switch between views.

Note: To edit the metadata map, the collection must be assigned to the username you are using.

Select a metadata map template

1. From the Home Tab, select the collection and select **Edit** in the **Metadata Map** column.

   ◦ OR Select the **Edit Metadata Map** Link in the **Metadata Map** section of the Collection Profile.

2. The first time you view a collection using the Gateway, you are prompted to select a map template for the collection.

   ◦ Re-use map templates defined previously for other collections or select the **System Default Map**, which is created and maintained by OCLC. After selecting the map template, you are able to edit it further during the mapping process.

3. Click **Create Metadata Map**. A progress dialog displays as the metadata processing begins. Records are displayed as they become available.
Select a different metadata template

If the map template you selected for the collection results in an inadequate mapping, you can select a new template.

1. From the More pull-down menu, select Reset metadata map.
2. When the Warning dialog box appears, click the drop-down list to display a list of available metadata map templates.
3. Select the template to apply to the current collection.
4. Click Reset Metadata Map to view the collection with the newly applied template.

Edit the metadata map

In the Metadata Map, the yellow highlighting indicates a metadata field. Click the yellow highlighting to see which Dublin Core element is displayed in a particular field.

Delete a metadata element

To delete a metadata element from a field in the WorldCat.org display:

1. Click on the highlighted field to change. The Edit Mapping box displays.
2. Click the drop-down list of Dublin Core elements.
3. Scroll to the top and select No Mapping.
4. Click Replace to un-map the contributor element. It no longer appears in the WorldCat.org display.

Re-map a metadata element

1. Click on the highlighted field to change. The Edit Mapping box displays.
2. Click the drop-down list of Dublin Core elements.
3. Select the appropriate element.
4. Click Replace.

Add metadata elements

Edit the metadata map to add additional fields to the WorldCat.org display.

- For example, add a second Dublin Core element along with the existing type element in the Genre/Form field:

1. Click the highlighted field you wish to change. The Edit Mapping box appears.
2. In the drop-down list of Dublin Core elements, find and click the format element.
3. Click Add to add the format element to the Genre/Form field.
Change the Edition/Format field

Since Dublin Core doesn’t have a reference field, the Gateway uses a default material type of Archival material for every record that is uploaded to WorldCat. Use Material Type mapping to get a finer-grained view of the records that you upload. Many repositories use the Dublin Core type element for this mapping. There is a different editor for the Edition/Format field.

1. Click on the highlighted field to change.
2. A new dialog box appears, with options for Change Material Type Key.
3. Under Step 1, choose the method based on the materials in the collection:

- **Apply material type to all records in this collection**
  1. Select this option if all records in the collection are of the same type.
- **Use Dublin Core Field:**
  - For a collection containing multiple material types, you can map different field content values to different material types. Select this option and verify that the appropriate element contains the distinguishing value for a record is selected from the drop-down menu.
  - **Step 2** will display a list of the values from the format field in the collection metadata.
4. Click OK to save your changes.

Add a thumbnail image

Note: CONTENTdm sites automatically include a thumbnail. Follow the below instructions if using a different OAI-PMH compliant repository.

When a record appears in WorldCat.org, a thumbnail image can help the user decide whether the item is of interest. To install a thumbnail image to the WorldCat record:

1. Click the highlighted thumbnail area on the left side of the screen. The Edit Mapping box appears.
2. In the drop-down list of Dublin Core elements, find and click the identifier:2 element or whichever Dublin Core field your repository uses to store the URL of the thumbnail.
3. Click Add to add the image URL to the thumbnail URL field.

Map other fields

The default WorldCat.org display shows only a few standard fields displayed in a brief record, but other field options are available for mapping. As long as the metadata is in a Dublin Core field, you can map it to display in WorldCat.org, provided the mapping creates a valid MARC record.

1. From the More drop-down menu, select Show unmapped fields.
   - These mappable fields display as blue highlighted text with sample data displayed in the WorldCat.org record.
2. Select the highlighted field you wish to change. The Edit mapping box appears.
3. In the drop-down list of Dublin Core elements, find and click the desired element.
4. Click Add.

To see what other records will look like using the mapping that you have created, you can navigate in any of these ways:

1. Click the gray left and right navigation arrows to move through the records one at a time.
2. Use the gray slider bar to move quickly through the records.
3. Enter a record number to see a particular record.

## Advanced mapping features

In addition to the features described above, the Gateway provides several advanced metadata mapping features:

- **Record blocking**: Block metadata records from being loaded to WorldCat based on the data values of a particular metadata field.
- **Field splitting**: Split the data values of delimited fields so that each value is contained in its own field.
- **Prefix and suffix data**: Append prefix and/or suffix data to your existing metadata fields in order to provide additional information for a particular field.

### Record Blocking

1. From the More pull-down menu, select **Update record blocking list**.
2. To block records based on the data values in a particular field, select the field from the pull-down list.
3. To block all records having a certain data value, click the corresponding box.
4. Click **OK**.
5. When this collection is synchronized with WorldCat, all records that contain the specified data value will be excluded from WorldCat.

### Field Splitting

By default, the Gateway maps the entire field to a single field in WorldCat. This option allows you to split the field into multiple fields based on the semi-colon delimiter.

1. Select the **MARC View** tab.
2. From the More pull-down menu, select **Update field splitting rules**.
3. Select the field you want to split from the pull-down list and then enter the delimiter.
4. Click **OK**.
5. The field will now be split into multiple MARC fields.
   - If necessary, you can edit the field indicators in the MARC view as appropriate.

### Add a Prefix and/or Suffix to a Field

To provide better contextual information for WorldCat users, use the **Update field prefix/suffix rules** option to add a prefix or suffix to the desired field.

1. From the More pull-down menu, select **Update field prefix/suffix rules**.
2. In Step 1, use the pull-down menu to select the field for which you want to add a prefix or suffix. The Gateway numbers your metadata fields in order to distinguish among multiple fields that are mapped to the same Dublin Core element.
3. In Step 2, select 1 to tell the Gateway to apply your changes to the first occurrence of the field.
4. In Step 3, enter the text you want used as the prefix or suffix for the field.
   - To ensure appropriate spacing and punctuation in the field, include commas and spaces as needed.
5. Click OK.
6. The additional text is added to the field.

You can also use prefixes or suffixes to expand a simple identifier such as a DOI or Handle into a full URL. This allows end users of WorldCat and other search engines to easily navigate to your digital content server when they find your items in WorldCat.

**Use Constant Data**

When there are elements that need the same value for all the records in a single collection, you can define constant data, which are predefined values for those elements.

- For example, when all of the metadata records should contain the same Dublin Core source data, and your original metadata does not contain that element in the Dublin Core source field, you may want to provide a constant data value for the `source` element.
  - Notice that the `source` constant data does not appear in the WorldCat Item View. By default, the Dublin Core source element was mapped to a MARC field that does not show in the brief record in the WorldCat.org interface. However, when you select the MARC View, you can verify that the source constant data is in the record (in field 786).
  - If you want to display the Dublin Core source constant data in the WorldCat.org Item View, you can re-map it to another field.

1. From the More drop-down menu, select **Update constant data fields**.
2. Enter the constant data that you want to display in the appropriate Dublin Core element field.
3. Click OK to save the constant data.

**Switch between views**

Use the tabs at the top of the window to switch between views:

- **MARC View** shows the record with its corresponding MARC tags. In the MARC View, you can replace and add elements using the same method described above for **WorldCat Item View**.
- **WorldCat Search View** illustrates what the display of this record will look like in the search results list in WorldCat.org. You can replace and add elements using the same method described above for **WorldCat Item View**.
  - To see the **WorldCat Item View** without highlighting or other graphics, click More and then select **Open Preview in New Window** from the drop-down menu.

**Analyze the collection metadata**

The More menu contains two options to help you analyze and understand the collection metadata.

1. **More > Open Dublin Core Summary in new window**
- Displays a list of the metadata elements used in this collection and how often each element occurs.

2. **More > Open frequency analysis in new window**
   - In the **Frequency Analysis** window, click on any metadata element to see its data values and the number of occurrences of each value in the collection.