

Background

The Daily OCLC load imports new and updated Worldcat records into the CSU Network Zone (NZ).

<https://calstate.atlassian.net/wiki/spaces/ULMS/pages/62029852/Alma+Daily+OCLC+Bib+Record+Updates+OCLC+WorldShare+Collection+Manager>

"New" records are any Worldcat records that were recently held by any CSU library.

"Updated" records are any Worldcat records held by any CSU where the master record was updated recently.

When these imports run, there may be multi-matches when an incoming OCLC record matches two or more existing records in the NZ.

For details, please see

https://docs.google.com/presentation/d/1wZMIURpcclOOWaENMKfLyPCBmS4PtN7Cung2DoFE8fM/edit#slide=id.g2fb2f7344b_0_25

These multi-matches cannot be automatically resolved by Alma and require manual handling (i.e. user intervention).

To resolve these multi-matches we have decided to use Alma functionality that merges records and consolidates inventory, PO lines and local fields onto the merged record. For details please see

https://docs.google.com/document/d/1biQr9JqNAzDT1-PH_POFCGxiA_jxwnn-7zTTS7UwQj0/edit?usp=sharing

The following document outlines the steps to perform the merge records and combine inventory.

Procedure

This procedure should be performed daily.

Log into CSU NZ instance of Alma.

<https://csu-network.alma.exlibrisgroup.com>

Go to Resources, Import, Monitor and View Imports.

The screenshot shows the Alma library system interface. At the top, there is a navigation bar with the ExLibris logo, the word 'Alma', and a star icon. Below this, there are tabs for 'Acquisitions', 'Resources', 'Fulfillment', 'Admin', and 'Analytics'. The 'Resources' tab is currently selected. Below the navigation bar, there are two dropdown menus: 'All titles' and 'Keywords'. The main content area displays a welcome message: 'Welcome, Jun, Marcus | Friday, S...'. Below the welcome message, there are two buttons: 'Recent Pages' and 'Monitor and View.. Resources'. On the right side, there is a sidebar menu with the following items: 'Cataloging', '★ Open Metadata Editor', 'Search External Resources', 'Browse Bibliographic Headings', 'Browse Shelf Listing', 'Authority Control Task List', 'Reminders', 'Import', 'Import', 'Upload Single Record From File', '★ Monitor and View Imports', 'Resolve Import Issues', and 'Manage Import Profiles'. The 'Monitor and View Imports' option is highlighted with a red box.

Under the status column, look for "Manual Handling Required" and click on the link.

The screenshot shows the Alma system interface. At the top, there is a navigation bar with the ExLibris logo, the Alma name, and a star icon. The main navigation menu includes: Acquisitions, Resources, Fulfillment, Admin, and Analytics. On the right side of the navigation bar, there are icons for location, organization, user, checklist, settings, and help.

Below the navigation bar, there is a search and filter section. It includes a dropdown for "All titles", a "Keywords" search box, a search icon, and an "Advanced" dropdown. Below this is a "Monitor and View Imports" section with "Run Import" and "Back" buttons.

The main content area shows a table of import jobs. The table has the following columns: Job ID, Profile Name, Profile Type, Status, Time Started, Time Ended, and Files Processed. The first row is highlighted, and the "Manual Handling Required" status is enclosed in a red box. The second row shows a job that is "Completed Successfully".

1 - 20 of 632 | All | [Search] | Refresh | [Share] | [Settings]

Filter : All | Status filter : All

Job ID	Profile Name	Profile Type	Status	Time Started	Time Ended	Files Processed
1 22443106480002901	OCLC Updated Bibs	Repository	Manual Handling Required	2018-09-21 09:17:18	-	93% [Progress Bar]
2 22442837590002901	OCLC New Bibs	Repository	Completed Successfully	2018-09-21 09:00:59	2018-09-21 17:19:19	100% [Progress Bar]
	Inter ebooks DDA		Completed	2018-09-21	2018-09-21	[Progress Bar]

Instead of manually clicking each of the 20 boxes and then "Merge and Combine Inventory"



All titles ▾

Keywords ▾



Advanced ▾

< Resolve Import Issues

Cancel

Matching

Validation

Errors

1 - 20 of 566

Job ID ▾

22443106480002901



Reject Records

Reject Entire File

Merge Records and Combine Inventory



Filter: All ▾

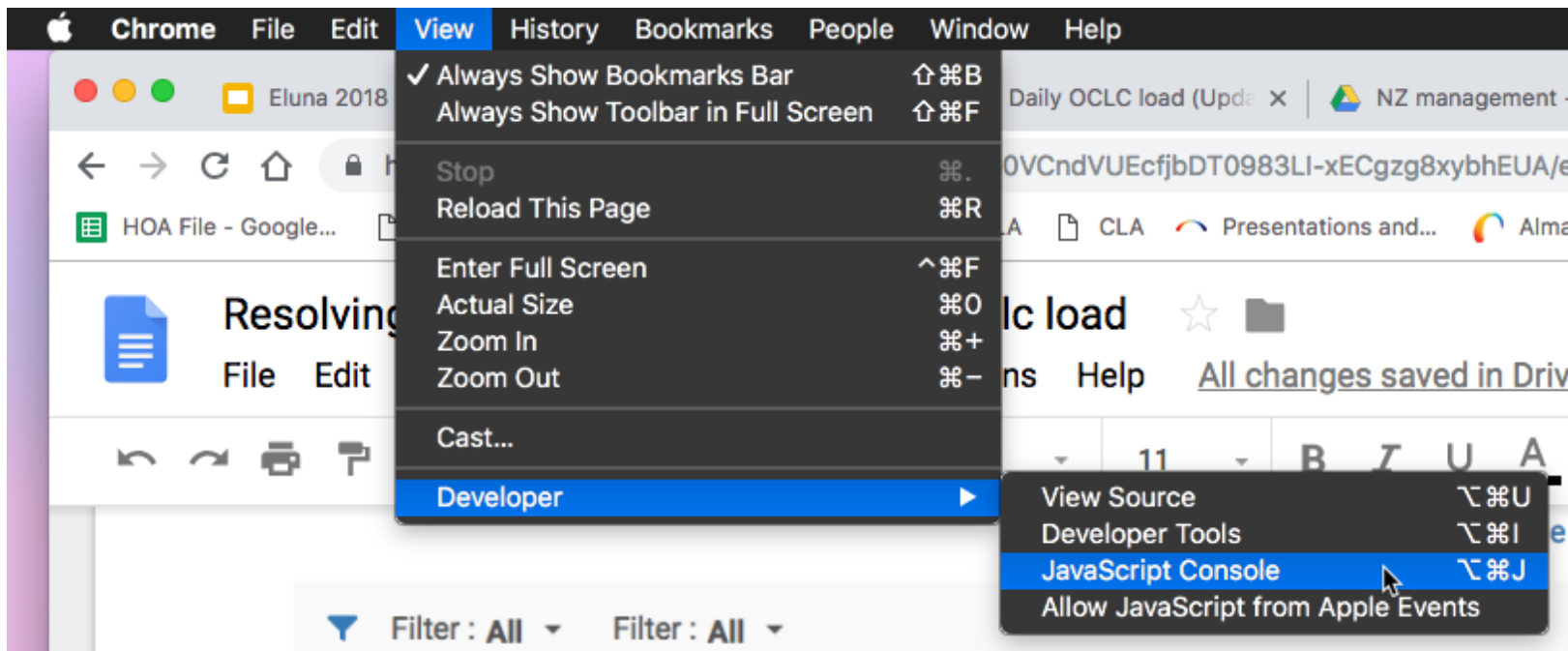
Filter: All ▾

	Job ID	File Name	Profile name	Profile Type	Submitted On	# Records	# Failed Records	
1	22443106480002...	metacoll.CA...	OCLC Updated Bibs	Repository	2018-09-21 09:17:18	50	2	...
2	22443106480002...	metacoll.CA...	OCLC Updated Bibs	Repository	2018-09-21 09:17:18	50	1	...
3	22443106480002...	metacoll.CA...	OCLC Updated Bibs	Repository	2018-09-21 09:17:18	50	6	...
4	22443106480002...	metacoll.CA...	OCLC Updated Bibs	Repository	2018-09-21 09:17:18	50	1	...
5	22443106480002...	metacoll.CA...	OCLC Updated Bibs	Repository	2018-09-21 09:17:18	50	1	...
6	22443106480002...	metacoll.CA...	OCLC Updated Bibs	Repository	2018-09-21 09:17:18	50	2	...

I wrote a Javascript script that automates what would be a tedious and click-intensive process.

In the Chrome browser, go to View, Developer, Javascript console.

(The screenshot below is from Mac but the script should work in Windows too. Just be sure to use Chrome.)



Copy the script from

https://drive.google.com/file/d/19SdNY_KfjSy6xeucTESJ7CIATMA5NTf/view?usp=sharing

and paste into the Javascript console that opens in the right pane.

(The name of the function is `ab()` but you can change the name if you want.)

The image shows a web application interface on the left and a browser's developer console on the right. The interface has a purple header with navigation icons (home, search, user, checkmark, settings, help) and a search bar. Below the search bar is a 'Cancel' button. The main content area shows a table with columns for '# Record' and '# Failed Records'. The developer console on the right shows the following JavaScript code:

```
> function ab() {
    function monitorImports(){
        var aTags =
        document.getElementsByTagName("a")
        var searchText =
        "MENU_LINK_ID_comexlibrisdpswrkgeneral
        menuResMngMDImportMonitorViewImports"

        for (var i = 0; i <
        aTags.length; i++) {
            if (aTags[i].id ===
            searchText) {
                aTags[i].click()
                break
            }
        }
    }

    function manualHandling(){
        var aTags =
        document.getElementsByTagName("a")
        var searchText1 = "Manual
        Handling Required"
        var searchText2 = "Manual
        Handling required (still processing
        files)"

        for (var i = 0; i <
```

To run the script, type `ab()` in the console. Then press Enter.

The image shows a web application interface on the left and a browser developer console on the right. The interface includes a navigation bar with icons for location, hierarchy, user, checklist, settings, and help. Below the navigation bar is a search bar and a "Cancel" button. The main content area is partially obscured by a modal window titled "d Combine Inventory". The developer console on the right shows a JavaScript function named "clickSubmit" that iterates through buttons with the text "Submit" and clicks them. The console also shows the execution of "ab()" in the prompt, which is highlighted with a red box.

```
function clickSubmit(){
  var
  buttons=document.getElementsByTagName(
  "button")
  var titleValue="Submit"
  for (var i = 0; i <
  buttons.length; i++) {
    if
    (buttons[i].textContent===titleValue){
      buttons[i].click()
      break
    }
  }
}
monitorImports()
setTimeout(manualHandling,10000)
setTimeout(checkMerge,20000)
setTimeout(clickSubmit,25000)
}
undefined
> ab()
```


The script

1. clicks on Monitor and View imports
2. clicks on the Manual Handling Required link
3. checks all 20 boxes then click on the Merge Records and Combine Inventory link.
4. clicks on the Submit button in the confirmation, pop-up window.

(There may be a pause (up to a minute) in between each step above.

This is because the relevant Alma page has to load before the Javascript commands run.

So I had to build in a waiting period in between each step.

If you find that Alma pages are loading slowly and the script is not working, try the alternate version that adds longer pauses between each step. https://drive.google.com/open?id=1oZSZS1UNbg9OvH8WF08Qc_cWZj6JlsJ1)

```
monitorImports()  
  setTimeout(manualHandling,10000)  
  setTimeout(checkMerge,20000)  
  setTimeout(clickSubmit,25000)  
}  
  
monitorImports()  
  setTimeout(manualHandling,20000)  
  setTimeout(checkMerge,35000)  
  setTimeout(clickSubmit,75000)  
}
```

The only difference between the two scripts is that the first one builds in between 10-25 seconds in between each step while the second script has between 20-75 seconds in between each step.)

It takes 5-10 minutes for each Merge/Combine process to finish. (Rarely, a merge/combine process can take 20-30 minutes to finish when it's merging and combining many records.)

You should get an email notification from Alma after the job process finishes. It looks like https://drive.google.com/open?id=1moHG-fXDr_41XeLvvl1DoS405GgYJDsX

Then input the `ab()` command and the script will run again. Repeat this process until all multi-matches have been resolved.

Discussion

Most days there will be less than 50 multi-matches. Rarely (once per month or once every two months) you'll see hundreds (maybe even a few thousand) multi-matches. I don't know how OCLC's duplicate detection software operates but it seems like occasionally it will merge and dedupe many records at once. Then we get these merged Worldcat records through the Daily OCLC load.

It will take a bit longer to resolve this many multi-matches and you will be running the script many times in succession. Fortunately, this is not a common occurrence but just something to be aware of.

