

1. Export norm rules from Sandbox

Note: Check Primo release schedule to ensure that sandbox and production are on the same release version.

https://knowledge.exlibrisgroup.com/Primo/Release_Notes/001Primo_Release_Rollout_Policy

For example, if sandbox is on the Nov 2018 release but production is still on Aug 2018 then you cannot export norm rules from sandbox to production because the Primo versions are different. If you try to do this, the import process in production will fail. (error message: Import Process 01CALIS_IMPORT Failed Version data mismatch. Source System Version - 4_9_15_0 Target System Version - 4_9_14_0)

Production gets the new release 4 weeks after the sandbox. So wait until both instances are on the same release version and then do a renorm.

Monitor Primo Status

CalState **Sandbox** Primo Back Office

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[Home](#) | [Deploy & Utilities](#) | [General](#) | [Local Data](#) | [Publishing](#) | [FE & Delivery](#) | [Search Engine](#)

Monitoring & Maintenance

- > **Monitor Primo Status**
Stay in control with one glance of all aspects of Primo performance
- > **Primo Utilities**
Cleanup procedures and More
- > **Primo Reports**
View available reports or catalog a new report
- > **Schedule Tasks**
Schedule Primo tasks such as harvesting, reloading indexes and more
- > **PNX Viewer**
Browse PNX files

Configuration & Management wizards

- > **Ongoing Configuration Wizards**
Configure and manage the Staff, Institutions, Views, Data sources and Pipes settings to maintain the proper function of Primo
- > **Advanced Configuration**
Manage the advanced features of Primo, like Search Engine, Installation, UI and PNX

Tools Monitoring

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[Primo Home](#) > [Monitor Primo Status](#)

[Home](#) | [Deploy & Utilities](#) | [General](#) | [Local Data](#) | [Publishing](#) | [FE & Delivery](#) | [Search Engine](#)

> **Monitor Primo Status**

» **Pipe Monitoring**

Monitor the pipe processes and view errors

» **Tools Monitoring**

Monitor the tools processes and view errors

» **Process Monitoring**

Monitor the processes and view errors

» **Job Monitoring**

Monitor all the jobs running on the system

» **Deploy Monitoring**

Monitor Deploy Jobs

» **Search Engine Monitoring**

Monitor and manage search servers and indexing

» **Watchdog Monitoring**

Monitor and manage Primo Watchdog

01CAL_S_NORMRULE_EXPORT
Execute
(Wait for job to finish. Takes a minute.)

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[Primo Home](#) > [Monitor Primo Status](#) > [Tools Monitoring](#)

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Hellojun

> Tools List

Owner:

Tools List

Owner	Tool Name	Tool Type	Stage	Status				
California State University, Fullerton	01CAL_S_FUL_SANDBOX_TO_PROD	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
Humboldt State University	01CAL_S_HUL_SANDBOX_TO_PROD	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
California State University Maritime Academy	01CAL_S_MAL_SANDBOX_TO_PROD	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
Moss Landing Marine Laboratories	01CAL_S_MLM_SANDBOX_TO_PROD	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
Installation	01CAL_S_NORMRULE_EXPORT	ExportConfig	Export Succeeded	completed	Edit	Execute	History	
California State Polytechnic University, Pomona	01CAL_S_PUP_SANDBOX_TO_PROD	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
Installation	01CAL_S_SANDBOX_TO_PRODUCTION	ExportConfig	N/A	N/A	Edit	Execute	History	Delete

Optional: Edit the tool and add my email address to be notified when the job finishes.

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[Primo Home](#) > [Monitor Primo Status](#) > **Tools Monitoring**

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[Home](#) | [Deploy & Utilities](#) | [General](#) | [Local Data](#) | [Publishing](#) | [FE & Delivery](#) | [Search Engine](#)

Hello mjun

> Export Primo configuration

Name: *

Export Type*

Normalization Rules set*

Transfer Method*

Profile*

[Test Connection](#)

Email Address*

[Go back](#)

[Save](#)

1b. Import norm rules into Production

Monitor Primo Status

Monitoring & Maintenance

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> **Primo Analytics**

View and Design reports

> **Schedule Primo Analytics**

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Configuration & Management wizards

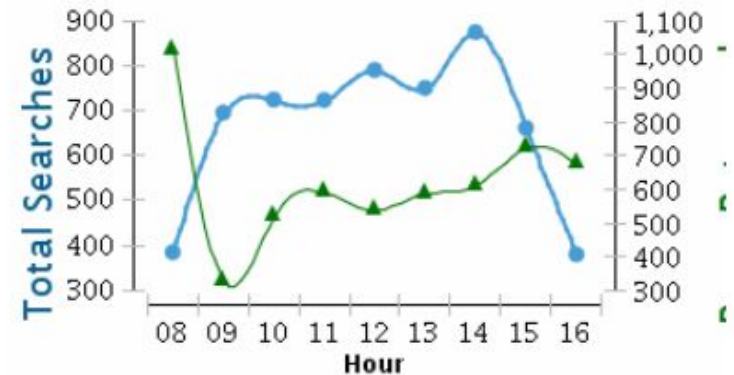
> **Ongoing Configuration Wizards**

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> **Advanced Configuration**

Manage the advanced features of Primo, like Search Engine, Installation, UI and PNX

[Pipes: OK](#) [Processes: OK](#) [Search: OK](#) [DB/FS/CPU: O](#)



> [Deploy All](#)

Deploy all

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[About](#) [Logout](#) [Help](#)

[Primo Home](#) > [Monitor Primo Status](#)

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[Home](#) [Deploy & Utilities](#) [General](#) [Local Data](#) [Publishing](#) [FE & Delivery](#) [Search Engine](#)

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Monitor and manage Primo Watchdog

01CAL_IMPORT
Edit

> **Tools List**

Owner:

Tools List

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California State University, Chico	01CALC_CHI_PROD_TO_SANDBOX	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
California State University Maritime Academy	01CALC_MAL_PROD_TO_SANDBOX	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
California Polytechnic State University, San Luis Obispo	01CALC_PSU_PROD_TO_SANDBOX	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
01CALC-Production	01CALC_SB_Export	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
California State University, Los Angeles	01CALC_ULA_PROD_TO_SANDBOX	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
California State University San Marcos	01CALC_USM_PROD_TO_SANDBOX	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
California State University, Fresno	Initial_Export_Effort	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
California State University, Bakersfield	Primo_UBA_Backup20170821	ExportConfig	Export Succeeded	completed	Edit	Execute	History	
California State University, Bakersfield	UBA_Export20170628	ExportConfig	Export Succeeded	completed	Edit	Execute	History	
California State University, Fullerton	01CALC_FUL_IMPORT	ImportConfig	N/A	N/A	Edit	Execute	History	Delete
Humboldt State University	01CALC_HUL_IMPORT	ImportConfig	N/A	N/A	Edit	Execute	History	Delete
01CALC-Production	01CALC_IMPORT	ImportConfig	Import Succeeded	completed	Edit	Execute	History	
California State University Maritime Academy	01CALC_MAL_IMPORT	ImportConfig	N/A	N/A	Edit	Execute	History	Delete
Go back arine Laboratories	01CALC_MLM_IMPORT	ImportConfig	N/A	N/A	Edit	Execute		Refresh

File name: Select file by filename which includes the date.
Change email address to mine.
Save.

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[About](#) | [Logout](#) | [Help](#)

[Primo Home](#) > [Monitor Primo Status](#) > [Tools Monitoring](#)

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[Home](#) | [Deploy & Utilities](#) | [General](#) | [Local Data](#) | [Publishing](#) | [FE & Delivery](#) | [Search Engine](#)

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> Import Primo configuration

Name: *

01CALC_IMPORT

Import Type*

NR Sets ▾

File Name*

✓ Choose a file
exp_nrset.CUSTOMER.01CALC_ALM/20180803_162927.zip

Email Address*

dwaiker@calstate.edu

[Go back](#)

[Save](#)

Execute. (Takes a minute.)

> **Tools List**

Owner:

Tools List

Owner	Tool Name	Tool Type	Stage	Status				
California State University, Chico	01CALC_CHI_PROD_TO_SANDBOX	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
California State University Maritime Academy	01CALC_MAL_PROD_TO_SANDBOX	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
California Polytechnic State University, San Luis Obispo	01CALC_PSU_PROD_TO_SANDBOX	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
01CALC-Production	01CALC_SB_Export	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
California State University, Los Angeles	01CALC_ULA_PROD_TO_SANDBOX	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
California State University San Marcos	01CALC_USM_PROD_TO_SANDBOX	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
California State University, Fresno	Initial_Export_Effort	ExportConfig	N/A	N/A	Edit	Execute	History	Delete
California State University, Bakersfield	Primo_UBA_Backup20170821	ExportConfig	Export Succeeded	completed	Edit	Execute	History	
California State University, Bakersfield	UBA_Export20170628	ExportConfig	Export Succeeded	completed	Edit	Execute	History	
California State University, Fullerton	01CALC_FUL_IMPORT	ImportConfig	N/A	N/A	Edit	Execute	History	Delete
Humboldt State University	01CALC_HUL_IMPORT	ImportConfig	N/A	N/A	Edit	Execute	History	Delete
01CALC-Production	01CALC_IMPORT	ImportConfig	Import Succeeded	completed	Edit	Execute	History	
California State University Maritime Academy	01CALC_MAL_IMPORT	ImportConfig	N/A	N/A	Edit	Execute	History	Delete
Go back Marine Laboratories	01CALC_MLM_IMPORT	ImportConfig	N/A	N/A	Edit	Execute		Refresh

Code and mapping tables (Opt.)

If you made changes to the code and mapping tables in Sandbox and need to carry them over to Production:

Mapping Tables, Static Facets

facet_pfilter_values and facet_rtype_values

In Sandbox

Export to Excel

> **Mapping Tables**

Update for Owner:

Sub System :

Table Name :

Search in Table:

Mapping Table Rows

Enabled	Value Name	Values*	Description
<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input checked="" type="checkbox"/>	Audio CDs	audio_cds	
<input checked="" type="checkbox"/>	Videocassettes	videocassettes	
<input type="checkbox"/>	Streaming Audios	streaming_audios	
<input checked="" type="checkbox"/>	Kits	kits	
<input checked="" type="checkbox"/>	CD-ROM/DVD-ROMs	cd_rom_dvd_roms	
<input type="checkbox"/>	Streaming Videos	streaming_videos	
<input checked="" type="checkbox"/>	Guides	guides	
<input checked="" type="checkbox"/>	LPs	lps	
<input checked="" type="checkbox"/>	Medias	medias	
<input checked="" type="checkbox"/>	Audios	audios	

[Cancel & Go back](#)
To Mapping Table List

[Export To Excel](#)

[Save](#)

In Production

Go to the same mapping table, Choose File and Load.

Table Description:

Create a New Mapping Row

Value Name	Values	Description	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Create"/>

Import Excel File

No file chosen

To Mapping Table List

After loading

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[Primo Home](#) > [Advanced Configuration](#) > [All Mapping Tables](#)

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[Home](#) | [Deploy & Utilities](#) | [General](#) | [Local Data](#) | [Publishing](#) | [FE & Delivery](#) | [Search Engine](#)

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> Mapping Tables

Update for Owner:
 Search in Table:
 [Reset](#) [Delete](#)

Sub System :

Table Name :

Mapping Table Rows

Enabled	Value Name	Values*	Description	Last Updated	
<input checked="" type="checkbox"/>	<input type="text" value="Audio CDs"/>	<input type="text" value="audio_cds"/>	<input type="text"/>	06/20/18 By mjun	Delete
<input checked="" type="checkbox"/>	<input type="text" value="Videocassettes"/>	<input type="text" value="videocassettes"/>	<input type="text"/>	06/20/18 By mjun	Delete
<input type="checkbox"/>	<input type="text" value="Streaming Audios"/>	<input type="text" value="streaming_audios"/>	<input type="text"/>	06/20/18 By mjun	Delete
<input checked="" type="checkbox"/>	<input type="text" value="Kits"/>	<input type="text" value="kits"/>	<input type="text"/>	06/20/18 By mjun	Delete
<input checked="" type="checkbox"/>	<input type="text" value="CD-ROM/DVD-ROMs"/>	<input type="text" value="cd_rom_dvd_roms"/>	<input type="text"/>	06/20/18 By mjun	Delete
<input type="checkbox"/>	<input type="text" value="Streaming Videos"/>	<input type="text" value="streaming_videos"/>	<input type="text"/>	06/20/18 By mjun	Delete
<input checked="" type="checkbox"/>	<input type="text" value="Guides"/>	<input type="text" value="guides"/>	<input type="text"/>	06/20/18 By mjun	Delete
<input checked="" type="checkbox"/>	<input type="text" value="LPs"/>	<input type="text" value="lps"/>	<input type="text"/>	06/20/18 By miun	Delete
<input type="checkbox"/>	<input type="text" value="Medias"/>	<input type="text" value="medias"/>	<input type="text"/>		
<input type="checkbox"/>	<input type="text" value="Audios"/>	<input type="text" value="audios"/>	<input type="text"/>	06/20/18 By mjun	Delete



[Export To Excel](#)

[Save](#)

[Cancel & Go back](#)
 To Mapping Table List

Code Tables, Front End (Production)

If you sync the mapping tables, static facets, facet_pfilter_values and facet_rtype_values

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[About](#) | [Logout](#) | [Help](#)



[Primo Home](#) > [Advanced Configuration](#) > [All Mapping Tables](#)

[Home](#) | [Deploy & Utilities](#) | [General](#) | [Local Data](#) | [Publishing](#) | [FE & Delivery](#) | [Search Engine](#) | Hello mjun

> Mapping Tables

Update for Owner: Sub System :
Table Name:

Mapping Tables in Normalization Sub System

Table Name	Sub System	Description	Last Updated		
facet_fsize_values	STATIC_FACETS	Facet File Size Values	05/25/17	<input type="button" value="Edit"/>	<input type="button" value="Sync"/>
facet_lang_values	STATIC_FACETS	Facet Language Values	05/25/17	<input type="button" value="Edit"/>	<input type="button" value="Sync"/>
facet_pfilter_values	STATIC_FACETS	Facet Prefilter Values	06/20/18	<input type="button" value="Edit"/>	<input type="button" value="Sync"/>
facet_rtype_values	STATIC_FACETS	Facet Resource Type Values	06/20/18	<input type="button" value="Edit"/>	<input type="button" value="Sync"/>
facet_tlevel_values	STATIC_FACETS	Facet Top Level Values	08/17/17	<input type="button" value="Edit"/>	<input type="button" value="Sync"/>
Static Facets	STATIC_FACETS	Static Facets	05/25/17	<input type="button" value="Edit"/>	

To Advanced Configuration

then the code tables, front end, facet resource type, advanced media type, and basic media type should automatically populate.

Then you just have to manually update the code tables, front end, icon codes.

CalState Production Primo Back Office [About!](#) [Logout!](#) [Help](#)

[Primo Home](#) > [Advanced Configuration](#) > [All Code Tables](#) ExLibris Primo

[Home](#) | [Deploy & Utilities](#) | [General](#) | [Local Data](#) | [Publishing](#) | [FE & Delivery](#) | [Search Engine](#) Hello mjun

> **Code Tables**

Update for Owner: 01CALs-Production Sub System : Front End Table Name: icon

Code: Description: Language: en_US [Clean](#) [Search](#) [Deploy](#)

Code Tables in Sub System

Table Name	Sub System	Description	Last Updated	
icon codes	FRONTEND	Brief display Eshlef Icon names codes, Full display type value	06/17/18	Edit

Export To Excel For Translation

Language: English (United States) [en_US] [Export](#)

Import From Excel For Translation

Language: Select Language Choose File No file chosen [Load](#)

2. Deploy norm rules, code and mapping tables

Deploy & Utilities, Deploy All

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Home **Deploy & Utilities** General Local Data Publishing FE & Delivery Search Engine

Deploy All

Deploy Monitoring

File Uploader

Customization Manager

Cleanup Procedures

System Tests

Manage Staff

Monitor

- > **Monitor**
State aspects of Primo performance
- > **Primo Cleanup**
Cleanup Procedures
- > **Primo System Tests**
View
- > **Staff**
Manage Staff
Schedule reports and dashboards
- > **Primo Reports**
View available reports or catalog a new report
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Browse PNX files

All Code Tables and Mapping Tables (Front End labels and more)
Normalization Rules

Deploy

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[About](#) | [Logout](#) | [Help](#)

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[Home](#) | [Deploy & Utilities](#) | [General](#) | [Local Data](#) | [Publishing](#) | [FE & Delivery](#) | [Search Engine](#) | Hello mjun

Deploy List

Deploy for:

Name

- Adaptors Mapping Tables
- All Client IP Ranges (WS and XS IP mapping table)
- All Code Tables and Mapping Tables (Front End labels and more)
- Data Source
- Deep Search Configuration
- Delivery Settings (GetIt and Availability)
- Functionalities Authorization
- Institution Base Urls
- Institution IPs
- Normalization Rules
- OBI Configuration
- OPAC Via Primo Mapping tables

The webpage automatically refreshes itself.

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Deploy Log Details:

Last Page Refresh: 2018-08-03 16:49:52

Owner	Deploy Name	Deploy Date	Module	User Name	Deploy Id	Status
01CAL-Production	Multiple Deploy	08/03/18 16:48:05	BE	mjun	c6e10933-d40e-4f30-9d9c-1be4f9fa0852	Running/Waiting

Target Name	Deploy Name	Target IP	Description	Module	Position	Status
MAIN_JOB	Multiple Deploy	10.28.92.119	Main Job	BE	0	Running

2018-08-03 16:48:05.782 - Deploy Submitted

DEPLOYER_BE	All Code Tables and Mapping Tables (Front E	10.28.92.119		BE	0	Running
-------------	---	--------------	--	----	---	---------

2018-08-03 16:48:05.840 - about to execute deployCodeTablesDeploy
 2018-08-03 16:48:05.840 - 1) Attempting to deploy code tables to Front-End.
 2018-08-03 16:48:06.003 - Deploying to jaguar
 2018-08-03 16:49:33.434 - The allowed scopes mapping table deploy is done
 2018-08-03 16:49:33.504 - 1) Done to deploy code tables to Front-End.

[Back to Deploy List](#)

[Back](#)

[Stop Refresh](#)

DEPLOYER_BE

Normalization Rules

10.28.92.119

BE

1

Waiting

Wait for Multiple Deploy to finish. (about 12 minutes)

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[Primo Home](#) > [Monitor Primo Status](#) > [Deploy Monitoring](#)

[Home](#) [Deploy & Utilities](#) [General](#) [Local Data](#) [Publishing](#) [FE & Delivery](#) [Search Engine](#)

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> Deploy Job Summary

Filter Deploy List By:

Owner	Deploy Name	Deploy Date	User Name	Deploy Id	Status
ALL	ALL	Jun 21, 2018			ALL
01CALs-Production	Multiple Deploy	Jun 21, 2018 15:21	dwalker	2489bbf2-b84c-4a8a-8ff3-e2894af505bb	Finished
California State University San Marcos	Multiple Deploy	Jun 21, 2018 12:53	ExlibrisSupport	a465c8c3-f571-42e0-b41f-95b4d189e397	Finished
California State University San Marcos	Multiple Deploy	Jun 21, 2018 12:49	ExlibrisSupport	5511367c-a948-46c4-b33f-2da0e1b1bf0d	Finished
Humboldt State University	Views	Jun 21, 2018 11:20	01CALs_HUL_admin	9ceaae0e-55cf-4ff2-94fb-566c5fa2c8a0	Finished
Humboldt State University	Views	Jun 21, 2018 11:11	01CALs_HUL_admin	f2c7500e-42d1-46c6-b9b8-4d54cbd1759f	Finished
Humboldt State University	Views	Jun 21, 2018 11:04	01CALs_HUL_admin	7c0ccecc-88be-4e2a-a040-05de9e68830b	Finished
California State University, San Bernardino	All Code Tables and Mapping Tables (Front E	Jun 21, 2018 11:01	smagedanz	001591cc-e923-4414-adda-31a309ab91b2	Finished
Humboldt State University	Views	Jun 21, 2018 11:00	01CALs_HUL_admin	ab7602ec-ca3f-4975-838b-ac3a237875d0	Finished

3. Disable Scheduled Tasks

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[Home](#) | [Deploy & Utilities](#) | [General](#) | [Local Data](#) | [Publishing](#) | [FE & Delivery](#) | [Search Engine](#)

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- > **Monitor Primo Status**
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Disable all tasks in the list

Except:

San Jose State University	ScholarWorks	<i>(because it was already disabled to begin with)</i>
Primo Institution	Primo_Demo_MAB_Pipe	<i>(because it can't be disabled)</i>
San Jose State University	DigitalCollections	<i>(because it was already disabled to begin with)</i>
Cal. Poly, San Luis Obispo	01CALPSU_SP	<i>(because it was already disabled to begin with)</i>
California State University, Sacramento	01CALPSU_USL_CONTENDM	<i>(because it was already disabled to begin with)</i>
California State University, Monterey Bay	MB_Finding_Aids	<i>(because it was already disabled to begin with)</i>
OTB	Delete local source files for pipes	<i>(because it can't be disabled)</i>

In the screenshot below, disable all tasks that are not in gray.

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[About](#)[Primo Home](#) > [Schedule Tasks](#)

EXT

[Home](#) | [Deploy & Utilities](#) | [General](#) | [Local Data](#) | [Publishing](#) | [FE & Delivery](#) | [Search Engine](#)

> Scheduler

Owner:

Schedule List

Owner	Process Name	Type	Frequency	Summary	Time	Enabled		
California State University, San Bernardino	01CAL\$USB_IR_ETDPROJECT	PIPE	Weekly	SUN	12:30 AM	Enabled	Edit	Delete
California State University, San Bernardino	01CAL\$USB_IR_ETD	PIPE	Weekly	SUN	12:40 AM	Enabled	Edit	Delete
San Jose State University	ScholarWorks	PIPE	Daily	--	01:30 AM	Disabled	Edit	Delete
Primo Institution	Primo_Demo_MAB_Pipe	PIPE	Daily	--	02:00 AM	Enabled		
San Jose State University	DigitalCollections	PIPE	Daily	--	02:00 AM	Disabled	Edit	Delete
California Polytechnic State University, San Luis Obispo	01CAL\$PSU_SP	PIPE	Weekly	FRI	02:00 AM	Disabled	Edit	Delete
San Jose State University	Libguides	PIPE	Daily	--	02:30 AM	Enabled	Edit	Delete
California State University, Sacramento	01CAL\$USL_CONTENTDM	PIPE	Daily	--	03:00 AM	Disabled	Edit	Delete
California State University, Monterey Bay	MB_Finding_Aids	PIPE	Monthly	on day 1 at	03:12 AM	Disabled	Edit	Delete
California State University, Sacramento	01CAL\$USL_DSPACE	PIPE	Daily	--	04:00 AM	Enabled	Edit	Delete
California State University (System)	01CAL\$ALMA	PIPE	Daily	--	04:30 AM	Enabled	Edit	Delete
01CAL\$-Production	Dedup_Frbr	PIPE	Daily	--	05:30 AM	Enabled	Edit	Delete
01CAL\$-Production	Indexing_and_Hotswapping	PROCESS	Weekly	MON,TUE,WED,THU,FRI,SAT	06:00 AM	Enabled	Edit	Delete
01CAL\$-Production	Indexing_and_Didumean_and_Hotswapping	PROCESS	Weekly	SUN	06:00 AM	Enabled	Edit	Delete
OTB	Delete local source files for pipes	TOOL	Daily	--	06:00 AM	Enabled		
California State University, Monterey Bay	Digital_Commons_OAIPMH	PIPE	Weekly	SUN	10:00 AM	Enabled	Edit	Delete
California State University (System)	01CAL\$ALMA	PIPE	Daily	--	06:30 PM	Enabled	Edit	Delete
01CAL\$-Production	Dedup_Frbr	PIPE	Daily	--	07:30 PM	Enabled	Edit	Delete
01CAL\$-Production	Indexing_and_Hotswapping	PROCESS	Daily	--	09:00 PM	Enabled	Edit	Delete

[Go back](#)[To Main Menu](#)[Create a ne](#)

Scheduler

 Owner:

Schedule List

Owner	Process Name	Type	Frequency	Summary	Time	Enabled		
California State University, San Bernardino	01CAL5_USB_IR_ETDPROJECT	PIPE	Weekly	SUN	12:30 AM	Enabled	Edit	Delete
California State University, San Bernardino	01CAL5_USB_IR_ETD	PIPE	Weekly	SUN	12:40 AM	Enabled	Edit	Delete
San Jose State University	ScholarWorks	PIPE	Daily	--	01:30 AM	Enabled	Edit	Delete
Primo Institution	Primo_Demo_MAB_Pipe	PIPE	Daily	--	02:00 AM	Enabled		
San Jose State University	DigitalCollections	PIPE	Daily	--	02:00 AM	Disabled	Edit	Delete
California Polytechnic State University, San Luis Obispo	01CAL5_P5U_SP	PIPE	Weekly	FRI	02:00 AM	Enabled	Edit	Delete
San Jose State University	Libguides	PIPE	Daily	--	02:30 AM	Enabled	Edit	Delete
California State University, Sacramento	01CAL5_USL_CONTENTDM	PIPE	Daily	--	03:00 AM	Disabled	Edit	Delete
California State University, Monterey Bay	MB_Finding_Aids	PIPE	Monthly	on day 1 at	03:12 AM	Disabled	Edit	Delete
California State University, Sacramento	01CAL5_USL_DSPACE	PIPE	Daily	--	04:00 AM	Enabled	Edit	Delete
California State University (System)	01CAL5_ALMA	PIPE	Daily	--	04:30 AM	Enabled	Edit	Delete
01CAL5-Production	Dedup_Fbr	PIPE	Daily	--	05:30 AM	Enabled	Edit	Delete
01CAL5-Production	Indexing_and_Hotswapping	PROCESS	Weekly	MON,TUE,WED,THU,FRI,SAT	06:00 AM	Enabled	Edit	Delete
01CAL5-Production	Indexing_and_Didumeen_and_Hotswapping	PROCESS	Weekly	SUN	06:00 AM	Enabled	Edit	Delete
OTB	Delete local source files for pipes	TOOL	Daily	--	06:00 AM	Enabled		
California State University, Monterey Bay	Digital_Commons_OA/PMH	PIPE	Weekly	SUN	10:00 AM	Enabled	Edit	Delete
California State University (System)	01CAL5_ALMA	PIPE	Daily	--	06:30 PM	Enabled	Edit	Delete
01CAL5-Production	Dedup_Fbr	PIPE	Daily	--	07:30 PM	Enabled	Edit	Delete
01CAL5-Production	Indexing_and_Hotswapping	PROCESS	Daily	--	09:00 PM	Enabled	Edit	Delete

> **Scheduler**

Owner: ▾

Schedule List

Owner	Process Name	Type	Frequency	Summary	Time	Enabled		
California State University, San Bernardino	01CAL5_USB_IR_ETDPROJECT	PIPE	Weekly	SUN	12:30 AM	Disabled	Edit	Delete
California State University, San Bernardino	01CAL5_USB_IR_ETD	PIPE	Weekly	SUN	12:40 AM	Disabled	Edit	Delete
San Jose State University	ScholarWorks	PIPE	Daily	--	01:30 AM	Disabled	Edit	Delete
Primo Institution	Primo_Demo_MAB_Pipe	PIPE	Daily	--	02:00 AM	Enabled		
San Jose State University	DigitalCollections	PIPE	Daily	--	02:00 AM	Disabled	Edit	Delete
California Polytechnic State University, San Luis Obispo	01CAL5_P5U_SP	PIPE	Weekly	FRI	02:00 AM	Disabled	Edit	Delete
San Jose State University	Libguides	PIPE	Daily	--	02:30 AM	Disabled	Edit	Delete
California State University, Sacramento	01CAL5_USL_CONTENTDM	PIPE	Daily	--	03:00 AM	Disabled	Edit	Delete
California State University, Monterey Bay	MB_Finding_Aids	PIPE	Monthly	on day 1 at	03:12 AM	Disabled	Edit	Delete
California State University, Sacramento	01CAL5_USL_DSPACE	PIPE	Daily	--	04:00 AM	Disabled	Edit	Delete
California State University (System)	01CAL5_ALMA	PIPE	Daily	--	04:30 AM	Disabled	Edit	Delete
01CAL5-Production	Dedup_Frbr	PIPE	Daily	--	05:30 AM	Disabled	Edit	Delete
01CAL5-Production	Indexing_and_Hotswapping	PROCESS	Weekly	MON,TUE,WED,THU,FRI,SAT	06:00 AM	Disabled	Edit	Delete
01CAL5-Production	Indexing_and_Didumean_and_Hotswapping	PROCESS	Weekly	SUN	06:00 AM	Disabled	Edit	Delete
OTB	Delete local source files for pipes	TOOL	Daily	--	06:00 AM	Enabled		
California State University, Monterey Bay	Digital_Commons_OA/PMH	PIPE	Weekly	SUN	10:00 AM	Disabled	Edit	Delete
California State University (System)	01CAL5_ALMA	PIPE	Daily	--	06:30 PM	Disabled	Edit	Delete
01CAL5-Production	Dedup_Frbr	PIPE	Daily	--	07:30 PM	Disabled	Edit	Delete
01CAL5-Production	Indexing_and_Hotswapping	PROCESS	Daily	--	09:00 PM	Disabled	Edit	Delete

You disable the tasks one-by-one by clicking on Edit.
Clear the Enabled checkbox and Save.

Edit a Schedule

Process Process Type Processes ▾ Process Name

Frequency Date

Timing Hour 05 ▾ : 00

Status Enabled

When you're done, the only two jobs enabled should be

Primo Institution	Primo_Demo_MAB_Pipe
OTB	Delete local source files for pipes

> Scheduler

 Owner:

Schedule List

Owner	Process Name	Type	Frequency	Summary	Time	Enabled	Edit	Delete
California State University, San Bernardino	01CAL\$USB_IR_ETDPROJECT	PIPE	Weekly	SUN	12:30 AM	Disabled	Edit	Delete
California State University, San Bernardino	01CAL\$USB_IR_ETD	PIPE	Weekly	SUN	12:40 AM	Disabled	Edit	Delete
San Jose State University	ScholarWorks	PIPE	Daily	--	01:30 AM	Disabled	Edit	Delete
Primo Institution	Primo_Demo_MAB_Pipe	PIPE	Daily	--	02:00 AM	Enabled		
San Jose State University	DigitalCollections	PIPE	Daily	--	02:00 AM	Disabled	Edit	Delete
California Polytechnic State University, San Luis Obispo	01CAL\$PSU_SP	PIPE	Weekly	FRI	02:00 AM	Disabled	Edit	Delete
San Jose State University	Libguides	PIPE	Daily	--	02:30 AM	Disabled	Edit	Delete
California State University, Sacramento	01CAL\$USL_CONTENTDM	PIPE	Daily	--	03:00 AM	Disabled	Edit	Delete
California State University, Monterey Bay	MB_Finding_Aids	PIPE	Monthly	on day 1 at	03:12 AM	Disabled	Edit	Delete
California State University, Sacramento	01CAL\$USL_DSPACE	PIPE	Daily	--	04:00 AM	Disabled	Edit	Delete
California State University (System)	01CAL\$ALMA	PIPE	Daily	--	04:30 AM	Disabled	Edit	Delete
01CAL\$-Production	Dedup_Frbr	PIPE	Daily	--	05:30 AM	Disabled	Edit	Delete
01CAL\$-Production	Indexing_and_Hotswapping	PROCESS	Weekly	MON,TUE,WED,THU,FRI,SAT	06:00 AM	Disabled	Edit	Delete
01CAL\$-Production	Indexing_and_Didumean_and_Hotswapping	PROCESS	Weekly	SUN	06:00 AM	Disabled	Edit	Delete
OTB	Delete local source files for pipes	TOOL	Daily	--	06:00 AM	Enabled		
California State University, Monterey Bay	Digital_Commons_OAIPMH	PIPE	Weekly	SUN	10:00 AM	Disabled	Edit	Delete
California State University (System)	01CAL\$ALMA	PIPE	Daily	--	06:30 PM	Disabled	Edit	Delete
01CAL\$-Production	Dedup_Frbr	PIPE	Daily	--	07:30 PM	Disabled	Edit	Delete
01CAL\$-Production	Indexing_and_Hotswapping	PROCESS	Daily	--	09:00 PM	Disabled	Edit	Delete

4. Run Renorm pipe (15-26 hrs)

start 06/21/18 15:34:12
end 06/22/18 21:55:16

start 08/03/18 17:19:51
end 08/04/18 08:38:10

start 08/31/18 15:16:50
end 09/01/18 05:55:53 ~15 hours

Publishing, Pipe List

CalState Production Primo Back Office

Welcome to Primo Back Office - monitor and configure your settings

[Home](#) | [Deploy & Utilities](#) | [General](#) | [Local Data](#) | **[Publishing](#)** | [FE & Delivery](#) | [Search Engine](#)

Pipe List

Create New Pipe

Indexing

Tools List

Scheduler

Jobs Monitor

PNX Viewer

Monitoring & Maintenance

- > **Monitor Primo Status**
Stay in control with one glance of all aspects of Primo
- > **Primo Utilities**
Cleanup procedures and More
- > **Primo Analytics**
View and Design reports
- > **Schedule Primo Analytics**
Schedule reports and dashboards
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Schedule Primo tasks such as harvesting, reloading indexes and more
- > **PNX Viewer**
Browse PNX files

Configuration & Management wizards

- > **Ongoing Configuration Wizards**
Configure and manage the Staff, Institutions, Views, Data sources and Pipes settings to maintain the proper function of Primo
- > **Advanced Configuration**
Manage the advanced features of Primo, like Search Engine, Installation, UI and PNX

01CAL\$ALMA_RENORM

Execute

CalState Production Primo Back Office dedup 1/2 ^ v x

[Primo Home](#) > [Monitor Primo Status](#) > [Pipe Monitoring](#) ExLibris Primo

[Home](#) [Deploy & Utilities](#) [General](#) [Local Data](#) [Publishing](#) [FE & Delivery](#) [Search Engine](#) Hellojun

> **Pipes List**

Owner: Display Template Pipes

Owner	Pipe Name	Pipe Type	Stage	Status				
California State University (System)	01CAL\$ALMA	Regular	completed successfully	completed	Edit	Execute	History	Errors
California State University (System)	01CAL\$ALMA_DELETE	Delete DS	N/A	N/A	Edit	Execute	History	Errors
California State University (System)	01CAL\$ALMA_RENORM	No harvesting - Update DS	pending for reloadDS	not started	Edit	Execute	History	Errors
California State University, Fullerton	01CAL\$FUL_UA_ALL	Regular	completed successfully	completed	Edit	Execute	History	Errors

For future renorms, edit pipe to disable "Include FRBR"?

"Indicates whether the FRBR stage will be executed when the Parallel Processing of Pipes mode is set Harvesting, NEP"
in General, General Configuration, Sub System: Installation, Parallel Processing of Pipes Mode.

https://knowledge.exlibrisgroup.com/Primo/Product_Documentation/060Back_Office_Guide/050Pipe_Configuration_Wizard/090Configuring_Pipes

https://knowledge.exlibrisgroup.com/Primo/Product_Documentation/060Back_Office_Guide/050Pipe_Configuration_Wizard/020Parallel_Processing_of_Pipes

"If you want a pipe's records to be excluded from the Dedup and/or FRBR processes, clear the Include DEDUP and/or Include FRBR check boxes on the Define Pipe page."

Job details

2018-06-21

> Job details

Job Details for 2018.06.21-15.33.45-968822698

01CAL5_ALMA_RENORM [\[configure\]](#)

[\[View Log\]](#)  [\[View Harvest Log\]](#) .

Job Id: 2018.06.21-15.33.45-968822698
Stage: **completed successfully** Status: completed
Start Time: 06/21/18 15:34:12 End Time: 06/22/18 21:55:16

Extract from Primo Database

Files Copied:	0	Failed Records:	0		
Normal Records:	11402334	Deleted Records:	0		
Normal Bulks:	11403	Deleted Bulks:	0		
Num Inserts:	0	Num Updates:	0	Num Duplications:	0
Failed Files:	0	Empty Files:	0		
Start time:	06/21/18 15:34:12	End time:	06/21/18 17:45:27		

NEP

Succeeded Records:	11401582	Failed Records:	752
Start time:	06/21/18 17:45:52	End time:	06/22/18 21:55:16

Dedup

Single:	0	Member:	0	Failed Records:	0
Merge:	0	Vectors:	17664845		
Start time:		End time:			

5. Run Dedup FRBR pipe (8-12 hrs)

start 06/21/18 15:34:47 *(because the Dedup_Frbr pipe was executed immediately after the renorm pipe, the start time begins when the renorm pipe began)*

end 06/23/18 09:43:19

dedup

06/22/18 21:55:42

06/23/18 09:36:34 11h 41m

frbr

06/23/18 09:36:34

06/23/18 09:43:19 7min

dedup

08/04/18 08:38:32

08/04/18 16:20:13 8hrs

frbr

08/04/18 16:20:13

08/04/18 16:25:33 5min

dedup

09/01/18 05:56:09

09/01/18 13:59:54 8hrs

frbr

09/01/18 13:59:54

09/01/18 14:05:23 5min

(While the renorm pipe is running, it's okay to initiate the Dedup_Frbr pipe.)

California State University, Sacramento	01CALSL_USL_DSPACE	Regular	harvesting	completed 	Edit	Execute	History	Errors
California State University, Sacramento	01CALSL_USL_DSPACE_RENORM	No harvesting - Update DS	N/A	N/A	Edit	Execute	History	Errors
01CALSL-Production	Dedup_Frbr	Dedup/FRBR	completed successfully	completed	Edit	Execute	History	Errors
San Jose State University	DigitalCollections	Regular	completed successfully	completed	Edit	Execute	History	Errors
California State University, Monterey Bay	DigitalCommons	Regular	harvesting-copy-files	completed 	Edit	Execute	History	Errors

Job details

2018-06-21

> Job details

Job Details for 2018.06.21-15.34.47-968822899

Dedup_Frbr [\[configure\]](#)

[\[View Log\]](#)  [\[View Harvest Log\]](#) .

Job Id: 2018.06.21-15.34.47-968822899
Stage: **completed successfully** Status: completed
Start Time: 06/21/18 15:34:47 End Time: 06/23/18 09:43:19

Harvest

Files Copied: 0 **Failed Records: 0**
Normal Records: 0 Deleted Records: 0
Normal Bulks: 0 Deleted Bulks: 0
Num Inserts: 0 Num Updates: 0 Num Duplications: 0
Failed Files: 0 Empty Files: 0
Start time: End time:

NEP

Succeeded Records: 0 **Failed Records: 0**
Start time: End time:

Dedup

Single: 0 Member: 3270817 **Failed Records: 0**
Merge: 1297473 Vectors: 0
Start time: 06/22/18 21:55:42 End time: 06/23/18 09:36:34

For future renorms, because FRBR has been disabled, in Dedup_Frbr pipe change System Last Stage to DEDUP?

System Last Stage: "This field allows you to change the last stage that is run during the execution of a pipe. By default, this field is set to FRBR, the last stage of pipe execution..."

DEDUP— This option stops the execution of the pipe after the Dedup stage. Note that the FRBRization stage is not executed."

https://knowledge.exlibrisgroup.com/Primo/Product_Documentation/060Back_Office_Guide/050Pipe_Configuration_Wizard/090Configuring_Pipes

6. Run Index/Hotswap (45-57 hrs)

start 06/22/18 22:31:33
end 06/25/18 08:20:02 57hrs 14,523,598 records

start 08/04/18 16:29:03
end 08/06/18 13:29:34 45hrs 13,565,116 records

start 09/01/18 14:07:40
end 09/03/18 10:10:29 44hrs 13,659,067 records

After renorm and dedupe/FRBR pipes have completed and neither has any errors,

Publishing, Indexing

CalState Production Primo Back Office

Welcome to Primo Back Office - monitor and configure your settings

[Home](#) | [Deploy & Utilities](#) | [General](#) | [Local Data](#) | [Publishing](#) | [FE & Delivery](#) | [Search Engine](#)

- Pipe List
- Create New Pipe
- Indexing**
- Tools List
- Scheduler
- Jobs Monitor
- PNX Viewer

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Indexing_and_Hotswapping

Execute

> Process List

Process Name	Process Status	Execution Date	Execution Time	Records Succeeded	Records Failed	More
Hotswapping	N/A	Never	N/A	N/A	N/A	History Execute
Indexing	Completed	10/24/17 13:10:06	00:36:15	177209	0	History Clean-up Execute
Indexing_and_Hotswapping	Completed	06/21/18 06:00:00	05:05:15	669478	0	History Clean-up Execute
Didumean	N/A	Never	N/A	N/A	N/A	History Execute
Indexing_and_Didumean_and_Hotswapping	Completed	06/17/18 06:00:00	05:58:01	855251	0	History Clean-up Execute
Force_Hotswapping	N/A	Never	N/A	N/A	N/A	History Execute

Process Status : ▾

Total run time: 68-95 hours = 2.8-4.0 days

renorm 26hrs

start 06/21/18 15:34:12
end 06/22/18 21:55:16

renorm 15hrs

dedup/Frbr 12hrs

start 06/21/18 15:34:47
end 06/23/18 09:43:19

dedupe/Frbr 8hrs

dedup

06/22/18 21:55:42
06/23/18 09:36:34

frbr

06/23/18 09:36:34
06/23/18 09:43:19

index/hotswap 57hrs

start 06/22/18 22:31:33
end 06/25/18 08:20:02

index/hotswap 45hrs

7. Enable disabled tasks

Enable tasks that were disabled in Step 3.

Scheduler

Owner:

Schedule List

Owner	Process Name	Type	Frequency	Summary	Time	Enabled	
California State University, San Bernardino	01CAL\$_USB_IR_ETDPROJECT	PIPE	Weekly	SUN	12:30 AM	Enabled	Edit
California State University, San Bernardino	01CAL\$_USB_IR_ETD	PIPE	Weekly	SUN	12:40 AM	Enabled	Edit
San Jose State University	ScholarWorks	PIPE	Daily	--	01:30 AM	Enabled	Edit
Primo Institution	Primo_Demo_MAB_Pipe	PIPE	Daily	--	02:00 AM	Enabled	
San Jose State University	DigitalCollections	PIPE	Daily	--	02:00 AM	Disabled	Edit
California Polytechnic State University, San Luis Obispo	01CAL\$ _PSU_SP	PIPE	Weekly	FRI	02:00 AM	Enabled	Edit
San Jose State University	Libguides	PIPE	Daily	--	02:30 AM	Enabled	Edit
California State University, Sacramento	01CAL\$ _USL_CONTENTDM	PIPE	Daily	--	03:00 AM	Disabled	Edit
California State University, Monterey Bay	MB_Finding_Aids	PIPE	Monthly	on day 1 at	03:12 AM	Disabled	Edit
California State University, Sacramento	01CAL\$ _USL_DSPACE	PIPE	Daily	--	04:00 AM	Enabled	Edit
California State University (System)	01CAL\$ _ALMA	PIPE	Daily	--	04:30 AM	Enabled	Edit
01CAL\$-Production	Dedup_Fbr	PIPE	Daily	--	05:30 AM	Enabled	Edit
01CAL\$-Production	Indexing_and_Hotswapping	PROCESS	Weekly	MON,TUE,WED,THU,FRI,SAT	06:00 AM	Enabled	Edit
01CAL\$-Production	Indexing_and_Didumeen_and_Hotswapping	PROCESS	Weekly	SUN	06:00 AM	Enabled	Edit
OTB	Delete local source files for pipes	TOOL	Daily	--	06:00 AM	Enabled	
California State University, Monterey Bay	Digital_Commons_OAIPMH	PIPE	Weekly	SUN	10:00 AM	Enabled	Edit
California State University (System)	01CAL\$ _ALMA	PIPE	Daily	--	06:30 PM	Enabled	Edit
01CAL\$-Production	Dedup_Fbr	PIPE	Daily	--	07:30 PM	Enabled	Edit
01CAL\$-Production	Indexing_and_Hotswapping	PROCESS	Daily	--	09:00 PM	Enabled	Edit

Email examples:

Send to:

ulms-discovery@lists.calstate.edu

and

ulms-techservices@lists.calstate.edu

Before

Hi all,

Just a reminder that tonight we are kicking off a renorm on Primo. Details here:

<https://calstate.atlassian.net/wiki/display/ULMSD/Renorm+2017-B>

This should wrap-up by Tuesday. During the renorm, no pipes from Alma or institutional repositories will be harvested into Primo.

During

Hi all,

Just a reminder that the first summer renorm began yesterday evening and will be running all weekend.

During that time, no new or updated records from Alma will be indexed.

~~At some point this evening, FRBR groups will become inaccessible until the renorm completes — for the last time, I believe, as this renorm turns off FRBR-ization.~~

To inform users of this issue, I'm going to add an alert bar to the top of the Primo page (via the central package) indicating that the site is currently undergoing maintenance and that some records may be inaccessible.

After

Hi all,

The renorm is now complete on production. Again, details are here:

<https://calstate.atlassian.net/wiki/display/ULMSD/Renorm+2017-B>

~~Some things to note, in particular:~~

~~1. Per our earlier discussion, the e book, streaming video, and streaming audio facet values have been removed.~~

~~To limit to online formats, please use the format limit in conjunction with the availability facet — e.g., for e books select Format = Book and Availability = Full text.~~

~~2. To enable lateral links for Genre, you'll need to use the Tiles configuration to add that field. Until then, the old non-lateral linking Genre field will display.~~

~~To do that, in the Primo Back Office go to: Home > Ongoing Configuration Wizards > Views Wizard.~~

~~Select your Main View and then 'save and continue' through the screens until you arrive at the Tiles Configuration.~~

~~In the Page drop-down, select [Full Display]. And then click 'Edit Tile' for the 'Full Results.'~~

~~You can remove the 'Genre (old)' field by locating it in the list and clicking 'edit' then 'delete.'~~

~~Then click 'Add Line' at the bottom of the list and select 'Genre' from the pull-down menu (it may be in the middle of the numbered Ids fields). You can then move the new Genre field up the list as necessary using the arrows on the right hand side of the page.~~

The end.

