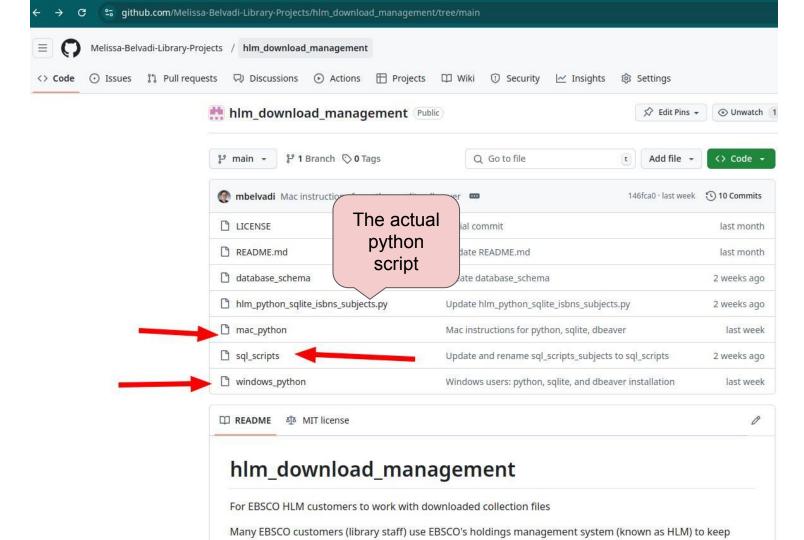
Using python, sqlite, and DBeaver with EBSCO HLM downloads

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https://github.com/Melissa-Belvadi-Library-Projects/hlm_download_management



EBSCOADMIN

Authentication

Holdings Management

Customize Services

Spellchecker

Show Did-You-Mean Suggestion

Auto Correct Search Terms

Current Group: Main User Group (main)

Reports & Statistics

Database Title Lists

● On ○ Off ● Yes ○ No

● Yes ○ No

Local Collections

ustomize EBSCO services 2 dit profiles for your library that determine which search optices, databases, and collections are available to your patrons. Choose Profile: EBSCOhost Databases (smab6n) (elbst) - ehost **Profile Maintenance** V Description (Profile ID) - Interface Databases Viewing Results Linking **Multilingual Options** Searching **Delivery Options** Branding **General Settings** Search Modes Modify Advanced ✓ Default Keyword Search Screen Show Keyword/Title/Author Radio Buttons On Off On Off Require uppercase Boolean operators (AND, OR, NOT) On Off Diacritic Search Yes ○ No Display Text-to-Speech Configure Text-to-Speech Modify

Autocomplete Keyword

EBSCOADMIN

Welcome: Melissa Belvadi

EBSCOadmin Security

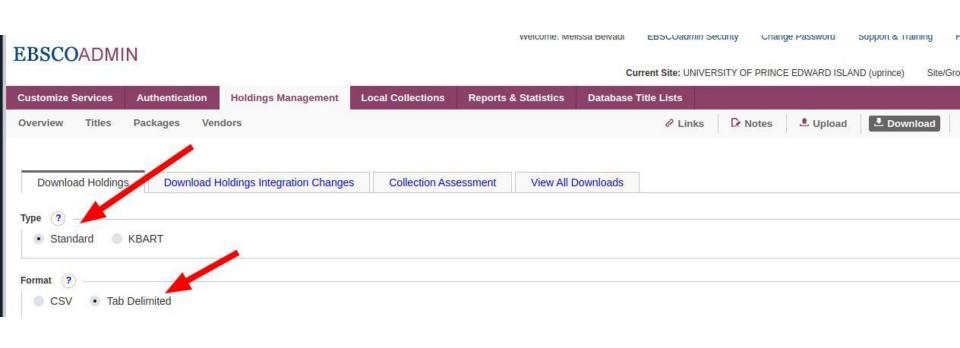
Change Password

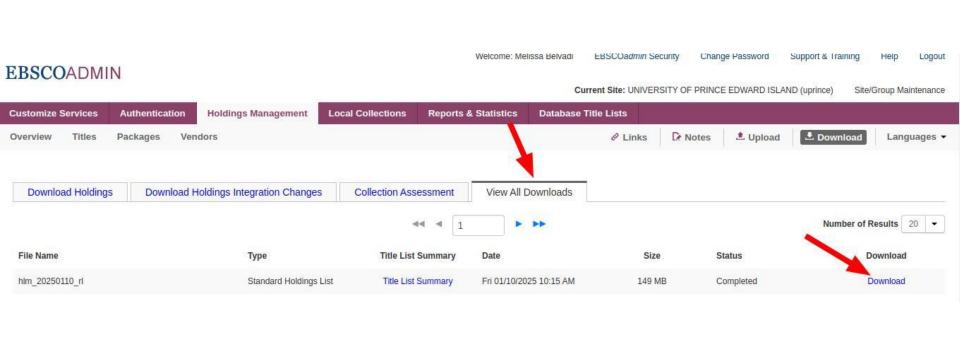
Support & Training

lp Logout

Current Site: UNIVERSITY OF PRINCE EDWARD ISLAND (uprince) Site/Group Maintenance

Customize Services Authentication **Holdings Management Local Collections** Reports & Statistics **Database Title Lists** Notes **≜** Upload Download Overview Titles Packages Vendors ∂ Links Languages -Enter a search term Title Name ▼ Search





Get to Know the Data!

Download tsv - UTF-16

KBID, Resource record, Package record - combination of all three for custom settings

Custom Package can include Managed or Custom resources but custom URL

KBID + PackageName = unique

PrintISBN,OnlineISBN - can have multiple values separated by pipe |

Hyphens are inconsistent - best to strip them out - my script does that

Subject - can have multiple values separated by pipe

Some are BISAC, some are LCSH, you can't tell from the download data

UserDefinedField1-5 - you can relabel, make public visible or not

You can insert "returns" (/n) when doing manual data entry but don't

Python Code

Open with a plain text editor (not Word!)

Change the UPEI customization for UserDefinedField1-5 easily:

```
column renames = {
    'UserDefinedField1': 'StaffOnlyNotes',
    'UserDefinedField2': 'OtherInfoAboutThisTitle',
    'UserDefinedField3': 'SpecialNotesAboutParticularVolumes',
    'UserDefinedField4': 'UPEIAccessNote',
    'UserDefinedField5': 'CallNumber'
```

```
mbelvadi@apex:~/Downloads$ python3 hlm python sqlite isbns subjects.py hlm 20250110 all.tsv
 Step 1: Read the UTF-16 file directly and split lines into columns
 Header columns: ['KBID', 'Title', 'AlternateTitle', 'PackageName', 'URL', 'ProxiedURL', 'Publisher', 'Edition', 'Author', 'Edition', 'Edition', 'Author', 'Edition', 
nlineISSN', 'PrintISBN', 'OnlineISBN', 'DOI', 'PeerReviewed', 'ManagedCoverageBegin', 'ManagedCoverageEnd', 'CustomCoverageBe
tatement', 'Embargo', 'CustomEmbargo', 'Description', 'Subject', 'ResourceType', 'PackageContentType', 'CreateCustom', 'HideC
 inder', 'ExcludeFromMARC', 'Delete', 'OrderedThroughEBSCO', 'IsCustom', 'UserDefinedField1', 'UserDefinedField2', 'UserDefine
 efinedField5', 'SmartLinks+ Eligible', 'PackageType', 'AllowEBSCOtoSelectNewIides', 'PackageID', 'VendorName', 'VendorID', '
 part', 'Merged', 'Split']
Number of header columns: 51
 Step 2: Rename specific columns
 Step 3: Replace spaces with underscores and plus sign with "Plus"
 Processed header columns: ['KBID', 'Title', 'AlternateTitle', 'PackageName', 'URL', 'ProxiedURL', 'Publisher', 'Edition', 'Au
tISSN', 'OnlineISSN', 'PrintISBN', 'OnlineISBN', 'DOI', 'PeerReviewed', 'ManagedCoverageBegin', 'ManagedCoverageEnd', 'Custom
 'CoverageStatement', 'Embargo', 'CustomEmbargo', 'Description', 'Subject', 'ResourceType', 'PackageContentType', 'CreateCusto
nFullTextFinder', 'ExcludeFromMARC', 'Delete', 'OrderedThroughEBSCO', 'IsCustom', 'StaffOnlyNotes', 'OtherInfoAboutThisTitle'
 ', 'UPEIAccessNote', 'CallNumber', 'SmartLinksPlus Eligible', 'PackageType', 'AllowEMSCOtoSelectNewTitles', 'PackageID', 'Ver
 ntinued', 'Continued in part', 'Merged', 'Split']
Number of processed header columns: 51
Step 4: Create SOLite database and table
Step 5: Create unique index on KBID and PackageName
Step 6: Create non-unique indexes
Step 7: Create kbid isbns table
Step 8: Create unique index on kbid isbns
Step 9: Create kbid subjects table
Step 10: Create unique index on kbid subjects
Step 11: Populate kbid isbns and kbid subjects tables
Step 12: Create non-unique indexes for kbid isbns table
Step 13: Create non-unique indexes for kbid subjects table
Processing complete.
```

-rw-r--r-- 1 mbelvadi mbelvadi 4062105600 Jan 14 08:39 hlm_20250110_all.db

