

Guide to Generating Electronic Resource Usage Statistics in Koha: with example

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The Koha community recently incorporated a new Electronic Resource Management module in Koha. Starting from version 23.11, the new "eUsage" feature has been introduced within this module. This functionality empowers librarians to promptly generate usage statistics reports without relying on third-party services from different publishers. Librarians will now have the flexibility to produce customized reports at their convenience. The following steps, accompanied by examples, are outlined to activate and generate e-resource reports from Koha. It is important to note that this feature supports COUNTER 5 Code of Practice compliant reports.

1. To enable this feature, activate the Electronic Resource Management (ERM) module through Koha's global system preferences. This action will activate the ERM module and enable the eUsage statistics options.

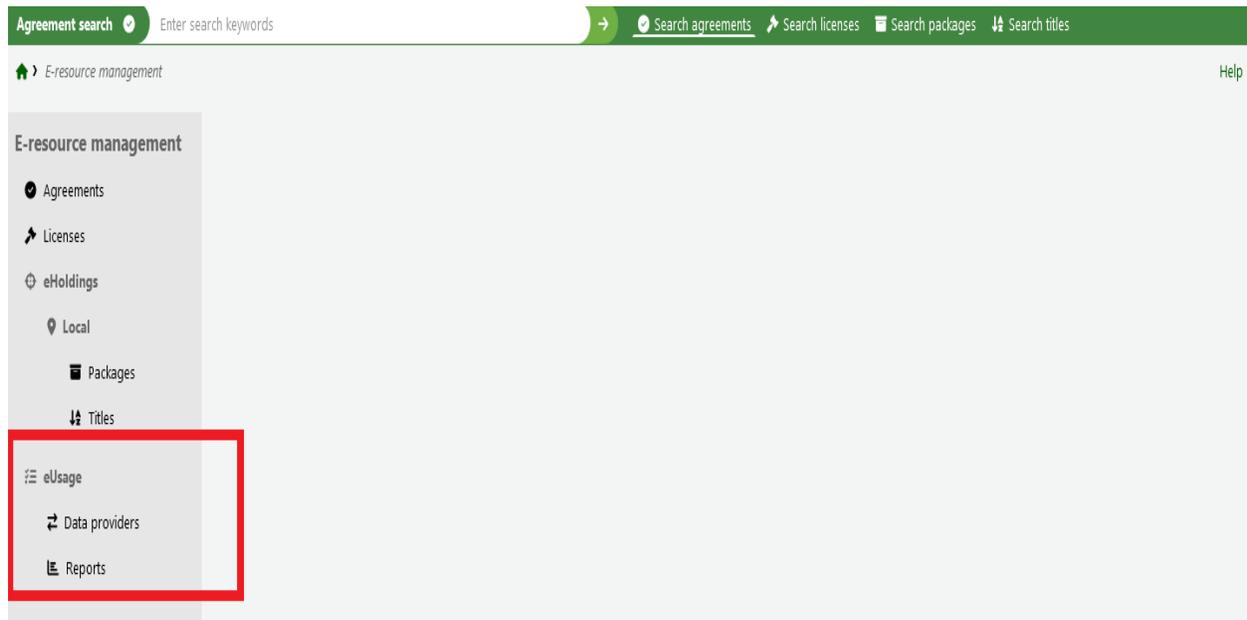


Figure 1

2. Select the "New Usage Data Provider" option and input the details as depicted in the provided screenshot. The customer ID and API Key can be obtained from your service provider, or alternatively, you may verify them through the "Librarians Portal" on the publisher's website. Additionally, the service URL is accessible on the publisher's website or can be found at <https://registry.projectcounter.org/>.

Agreement search Enter search keywords

Search agreements Search licenses Search packages Search titles

E-resource management > Usage > Data providers > Add data provider

Help

E-resource management

- Agreements
- Licenses
- eHoldings
- Local
- Packages
- Titles
- eUsage
- Data providers**
- Reports

New usage data provider

Data provider

Data provider name: Required

Description:

Harvester status: X

Service type:

Report types: Required

- PR - Platform master report X PR_P1 - Platform usage X
- DR - Database master report X
- DR_D1 - Database search and item usage X
- DR_D2 - Database access denied X TR - Title master report X
- TR_B1 - Book requests (excluding OA_Gold) X
- TR_B2 - Book access denied X TR_B3 - Book usage by access type X
- TR_J1 - Journal requests (excluding OA_Gold) X
- TR_J2 - Journal access denied X
- TR_J3 - Journal usage by access type X
- TR_J4 - Journal requests by YOP(excluding OA_Gold) X
- IR - Item master report X IR_A1 - Journal article requests X
- IR_M1 - Multimedia item requests X

Sushi credentials

Service URL:

Report release:

Customer id:

Requestor id:

API key:

Requestor name:

Requestor email:

English (en)

**THE FOLLOWING DATA IS AVAILABLE FROM
 HTTPS://REGISTRY.PROJECTCOUNTER.ORG/ AND ID/API KEY CAN
 BE PROVIDED BY YOUR E-RESOURCE PROVIDER LIKE
 SPRINGER/ELSEVIER ETC. THE SAME KEY CAN BE ALSO FOUND IN
 THE LIBRARIAN PORTAL OF THE E-RESOURCE PROVIDER.**

Figure 2

- After saving the aforementioned information, you can review all the details, including titles, databases, etc., by referring to the figure 3. Access the "import logs" option to download the reports.

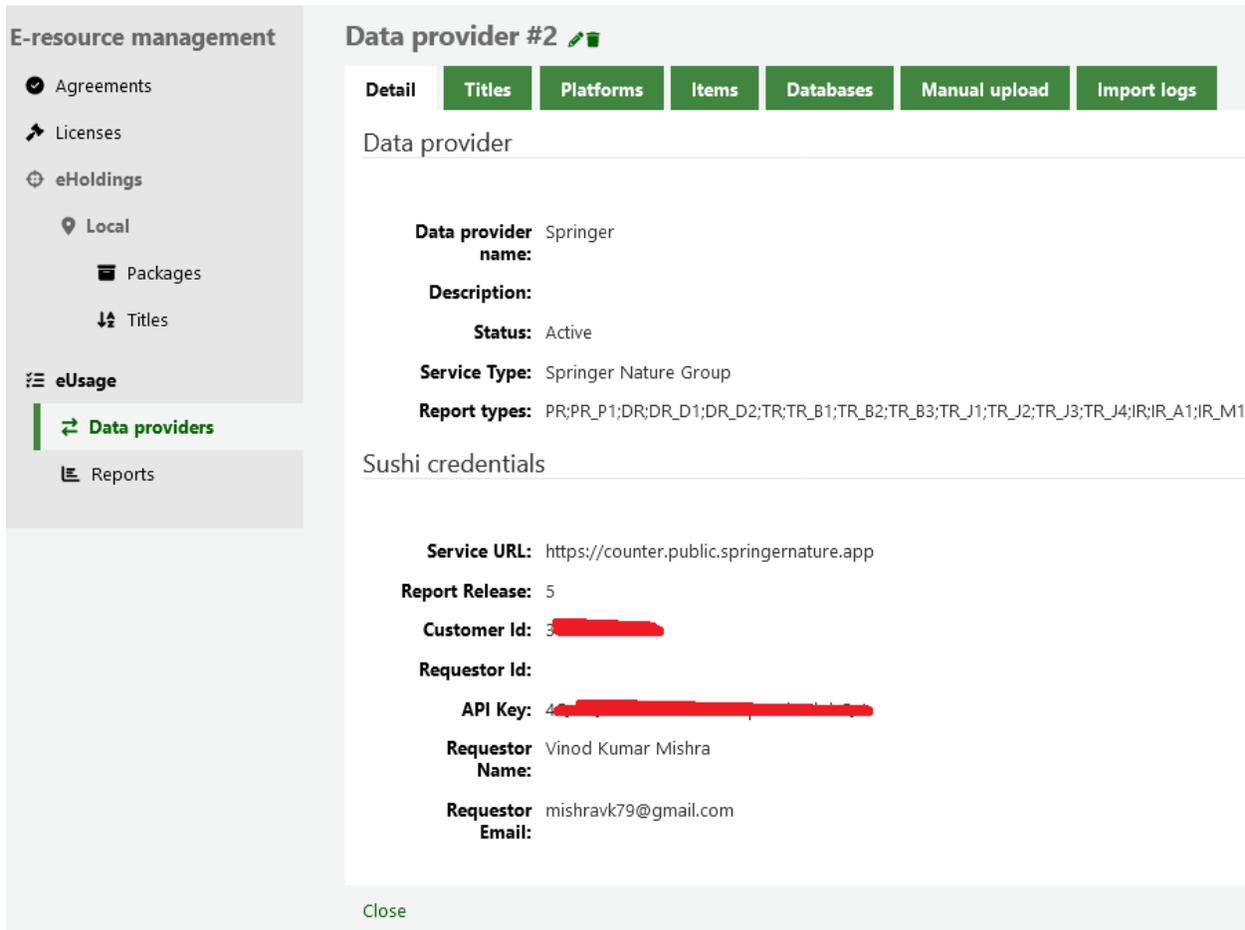


Figure 3

- You are now prepared to execute the report and harvest the data by specifying the start and end dates according to your data requirements. Additionally, you may use the "Test" option to verify the proper connection with SUSHI before initiating the "Run now" option.

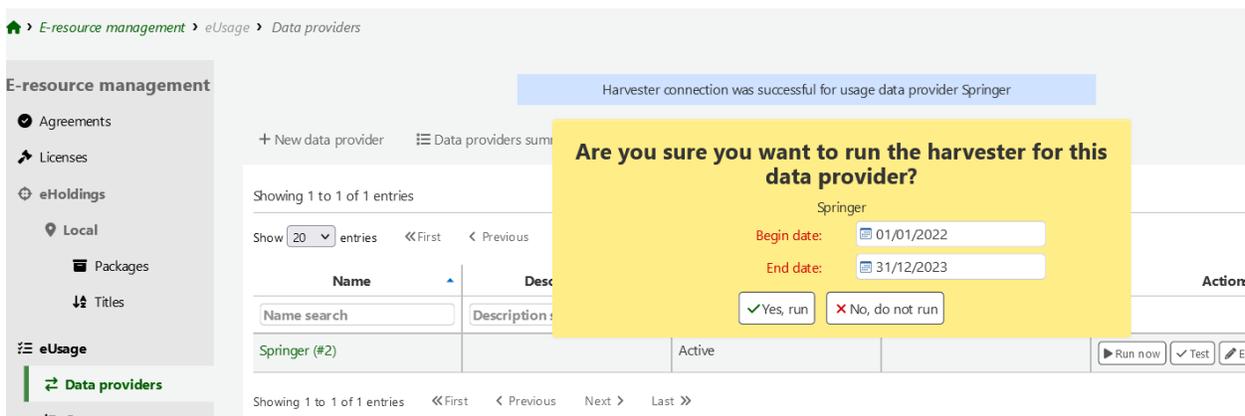


Figure 4

Upon selecting the "Run now" option, the Koha system will commence the data harvesting process, and the duration will vary based on the volume of data to be harvested. The harvested data is stored within the system, allowing you to generate customized reports as needed at any time figure 5.

E-resource management > eUsage > Data providers Help

E-resource management

- Agreements
- ▲ Licenses
- eHoldings
 - 📍 Local
 - 📦 Packages
 - 📖 Titles
- ☰ eUsage
 - ➡ Data providers
 - 📄 Reports

- Job for report type **PR** has been queued, [click here to check its progress.](#)
- Job for report type **PR_P1** has been queued, [click here to check its progress.](#)
- Job for report type **DR** has been queued, [click here to check its progress.](#)
- Job for report type **DR_D1** has been queued, [click here to check its progress.](#)
- Job for report type **DR_D2** has been queued, [click here to check its progress.](#)
- Job for report type **TR** has been queued, [click here to check its progress.](#)
- Job for report type **TR_B1** has been queued, [click here to check its progress.](#)
- Job for report type **TR_B2** has been queued, [click here to check its progress.](#)
- Job for report type **TR_B3** has been queued, [click here to check its progress.](#)
- Job for report type **TR_J1** has been queued, [click here to check its progress.](#)
- Job for report type **TR_J2** has been queued, [click here to check its progress.](#)
- Job for report type **TR_J3** has been queued, [click here to check its progress.](#)
- Job for report type **TR_J4** has been queued, [click here to check its progress.](#)
- Job for report type **IR** has been queued, [click here to check its progress.](#)
- Job for report type **IR_A1** has been queued, [click here to check its progress.](#)
- Job for report type **IR_M1** has been queued, [click here to check its progress.](#)

+ New data provider
☰ Data providers summary

Showing 1 to 1 of 1 entries

Show 20 entries <<First < Previous Next > Last >> Search: X Clear filter 📄 Export

Name	Description	Status	Last run	Actions
Name search <input type="text"/>	Description search <input type="text"/>	Status search <input type="text"/>	Last run search <input type="text"/>	
Springer (#2)		Active		▶ Run now ✓ Test ✎ Edit 🗑 Delete

Showing 1 to 1 of 1 entries <<First < Previous Next > Last >>

Figure 5

You can review the details of counts, titles, databases, etc., that have been successfully harvested in Koha as shown in figure 6.

Details of job #13

Job ID: 13
Status: Finished
Progress: 5358 / 5358
Type: ERM Usage Statistics SUSHI Harvester
Queued: 05/02/2024 23:47
Started: 06/02/2024 00:13
Ended: 06/02/2024 00:30

Report

Usage data provider	Springer
Report type	TR_J1
Report rows processed	5358
Titles added	2679
Monthly usages skipped	0
Monthly usages added	53800
Yearly usages skipped	0
Yearly usages added	9336

Detailed messages

✔ **Scientific American** successfully added

✔ **Scientific American Mind** successfully added

Figure 6

5. You are now prepared to generate customized usage statistics reports for resources such as e-journals, eBooks, databases, etc., by completing the necessary details. It is advisable to save the generated report for future reference, enabling you to reproduce it whenever necessary. Similarly, various types of customized reports can be created using the harvested data for statistical purposes figure 7.

Agreement search Enter search keywords Search agreements Search licenses Search packages Search titles

E-resource management > Usage > Reports

E-resource management

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- Data providers
- Reports

Usage statistics reports

Saved reports Create report

Build a custom report

Select report data

Data display: By month Required

Choose data provider: Springer

Choose report: TR_J1 - Journal requests (excluding OA_Gold) Required

Choose metric type: Total item requests

Choose access type:

Start year: 2023 Required

Start month: January Required

End year: 2023 Required

End month: December Required

Keywords:

Select report columns

Provider name: Publisher: Platform: Publisher ID: Online ISSN: Print ISSN: DOI: URI:

Select date display method

Display data filtered by year:

Yes - Table will be limited to 12 columns (Jan-Dec) with the option to switch between years

No - Table will include one column for every month of data selected

Select which months to display

2023: Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec

Submit Clear

English (en)

Figure 7

The customized reports may look like figure 8 which can be further downloaded for analysis. There is a options for sorting the reports by each columns.

Enter search keywords Search agreements Search licenses Search packages Search titles

Usage > Reports > View report

Showing 1 to 20 of 2,433 entries (filtered from 27,112 total entries)

Show 20 entries << First < Previous Next >> Last Search: X Clear filter Export

Title	Data provider	Publisher	Publisher ID	Online ISSN	Print ISSN	DOI	URI	Metric	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	Aug23	Sep23	Oct23	Nov23	Dec23
Title search	Data provi	Publisher s	Publisher ID	Online E	Print ISS	DOI search	URI s	(Metric search)	Jan23 s	Feb23 s	Mar23 s	Apr23 s	May23 s	Jun23 s	Jul23 s	Aug23 s	Sep23 s	Oct23 s	Nov23 s	Dec23 s
3 Biotech	Springer	Springer International Publishing		2190-5738	2190-572X	10.1007/13205-2190-5738		Total_Item_Requests	48	106	93	75	79	88	72	80	40	22	34	47
3D Research	Springer	3D Display Research Center		2092-0731		10.1007/13319-2092-0731		Total_Item_Requests	-	-	-	-	-	-	-	-	1	-	1	-
4OR	Springer	Springer Berlin Heidelberg		1614-2411	1619-4500	10.1007/10288-1614-2411		Total_Item_Requests	-	-	-	-	-	-	-	1	-	-	-	-
4OR	Springer	Springer Berlin Heidelberg		1614-2411	1619-4500	10.1007/10288-1614-2411		Total_Item_Requests	1	-	1	1	1	-	2	2	-	-	2	-
AAPS PharmSciTech	Springer	Springer International Publishing		1530-9932				Total_Item_Requests	27	42	37	29	64	33	42	16	19	29	10	6
Abdominal Radiology	Springer	Springer US		2366-0058	2366-004X	10.1007/261-1432-0509		Total_Item_Requests	2	-	1	1	1	-	3	4	2	-	-	5
Abhandlungen aus dem Mathematischen Seminar der Universität Hamburg	Springer	Springer Berlin Heidelberg		1865-8784	0025-5858	10.1007/12168-1865-8784		Total_Item_Requests	-	2	-	1	-	-	-	-	-	-	-	2
aBIOTECH	Springer	Springer Nature Singapore		2662-1738				Total_Item_Requests	-	-	-	-	-	-	-	-	3	-	-	-
Academic Psychiatry	Springer	Springer International Publishing		1545-7230	1042-9070			Total_Item_Requests	-	-	1	-	-	-	-	-	-	-	-	-
Accreditation and Quality Assurance	Springer	Springer-Verlag		1432-0517	0649-1775			Total_Item_Requests	-	-	-	-	1	2	-	-	-	-	-	-
Acoustical Physics	Springer	Pleides Publishing		1503-8665	1063-7710	10.1134/11441-1502-8665		Total_Item_Requests	4	2	6	2	-	-	2	-	3	1	1	-
Acoustics Australia	Springer	Springer Nature Singapore		1839-2571	0814-6039			Total_Item_Requests	-	-	1	3	2	1	6	-	1	-	-	-
Acta	Springer	Springer		1572-9036	0167-8019	10.1007/10440-1572-9036		Total_Item_Requests	-	-	-	-	-	-	-	1	-	-	-	-

English (en)

Figure 8

6. To get the updated records of usage statistics Cron may be setup in the crontab as shown in figure 9

Harvesting Cron Job

This script will run the SUSHI harvesting for any Active usage data providers. Ask your system administrator to set up the job in the crontab at a regular interval (monthly would be usual as providers produce statistics data monthly).

Parameters:

`--help or -h` (get help)

`--begin-date` (begin date for the harvest in yyyy-mm-dd format (e.g.: '2023-08-21'))

`--end-date` (end date for the harvest in yyyy-mm-dd format (e.g.: '2023-08-21'))

`--dry-run` (only produce a run report, without actually doing anything permanent)

`--debug` (print additional debugging info during run)

Usage example:

```
./misc/cronjobs/erm_run_harvester.pl --begin-date 2023-06-21 --debug
```

Figure 9

References

7. <https://registry.projectcounter.org/>
8. <https://github.com/springernature/sushi>
9. <https://koha-community.org/manual/23.11/en/html/erm.html#data-providers>