

Centrally Curated Resources

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About



This feature is available in version 2.0-MS1.11 and later.

In order to avoid unnecessary duplication of data across institutions, increase standardization, and ease as much of the burden of data entry on users as possible, we have introduced a new concept known as **Centrally Curated Resources**. This feature alleviates the need for duplication of common resources in each institutional node: rather than linking a record to a locally-created instance of a very common resource, users may now link to an instance in a centrally-curated collection that resides in a dedicated 'global' repository. This eliminates the need for locally-created copies of common resources such as major manufacturers and government agencies.

This concept has been internally referenced as 'globals' and this is reflected in the choice of configuration property names. These resources will reside in a central repository that is maintained by the eagle-i team, although all institutions will have read-access to it. We strongly encourage users to select from **Centrally Curated Resources** wherever appropriate when entering data in SWEET.

As of the 2.0-MS1.11 release, only resources that link to the following resource types are affected by the implementation of the **Centrally Curated Resources**:

1. [Private Company](#)
2. [Government Agency](#)

Application effect

SWEET - background effect

Once the SWEET application has been configured to use **Centrally Curated Resources**, the application will periodically query the **Centrally Curated Resources** data repository for a minimal set (label and URI) of information from the published data. SWEET will then place a local copy of this minimal set of information in its own data repository, in a specialized graph (NG_GlobalProxy). Subsequent uses of SWEET will present selections for the user from this specialized graph, as well as the default and published graphs.

SWEET - entering data

In fields that have one of the above mentioned types as a range, users will now see a new group of listings at the top:

The screenshot shows a dropdown menu for the 'Organization' field. At the top, there is a new group of listings labeled 'New Group of Listings' with a red arrow pointing to it. This group includes '<none>', '<create new>', and 'Commonly Used Resources'. Below this, a list of companies is shown, with 'ABM, Inc. <Private Company>' highlighted in blue. Other companies listed include 3M, A.E. Thorson & Sons Manufacturing, A.M. Bickford Inc., AB Sciex, Abaxis, Abbott Laboratories, Abcam plc, AbD Serotec, Abnova Corporation, Accelrys, Inc., Accurate Chemical & Scientific Corporation, AccuScan Instruments, Inc., ACR Image Matrix, ADInstruments, Adobe Systems Incorporated, Advanced Analytical Technologies, Inc., Advanced Chemistry Development, Inc., Advanced Realtime Tracking GmbH, Advanced Transport Refrigeration & Air Conditioning, Advion BioSciences, Inc., AEI Technologies, Inc., Affymetrix, Inc., and Aencv for Toxic Substances and Disease Registry.

Resources that are **not Centrally Curated Resources** will be listed at the bottom:

The screenshot shows a dropdown menu with a list of resources. At the bottom, there is a section labeled 'Resources that belong to the institution' with a red arrow pointing to it. This section includes 'All Other Resources' and a list of various research programs, laboratories, and departments, such as Alaska Basic Neuroscience Program, Alaska Cooperative Fish and Wildlife Research Unit, Alaska Stable Isotope Facility, Animal Quarters Core Laboratory, Animals And Things Lab (TEST), Applied Science, Engineering, and Technology Laboratory, Barboza Laboratory, Barnes Laboratory, Bioinformatics Core, Built-Ito Laboratory, Burkhead Lab, Center for Alaska Native Health Research, Center for Behavioral Health Research and Services, Center for Inherited Disease Research, Johns Hopkins University, Community Engagement and Clinical Support Core, D. O'Brien Laboratory, and Department of Biology & Wildlife, University of Alaska. 'Applied Science, Engineering, and Technology Laboratory <Core Laboratory>' is highlighted in blue.

All other applications

From the perspective of the other eagle-i applications (such as search or dissemination pages), there is no visible effect. The triples containing the **Centrally Curated Resources** will contain an object value that will be resolved by the 'global' repository.

Use

Configuration



- This section documents how institutions/clients can use **Centrally Curated Resources** in their applications.
- This section does **not** detail how to set up the **Centrally Curated Resources** data repository itself.
- This section requires administrative access to the institution's data repository.

To start using this feature in your institution's installation, please follow these steps:

1. Create a new user to the data repository

In order for the SWEET application to locally cache the minimal information about **Centrally Curated Resources** in the institution's data repository, a new user needs to be created that has the ability to add, remove, and read the NG_GlobalProxy graph in the institution's data repository. See [creating repository users](#) for details on how to create a new user.

- Create a new user with a role of **Automated Agent**. In this example, the username for the new user is **GlobalUser** and the password is **GlobalPw**. We will be referring to this new user in other parts of this section.

Creating a New User

Input fields labelled in RED are required

Username:

First Name:

Last Name:

Mailbox:

Password:

Confirm Password:

Roles:

Admin Read-Only
Administrator
Automated Agent
Level 1
Level 2
Level 3

Use CTRL-click or COMMAND-click to select / deselect multiple Roles.

[Back to User List page](#)

[Create a New User Account](#)

[Return to Admin top level](#)

2. Edit configuration files

The next step is to edit the configuration files to tell the applications what credentials SWEET should use to cache the **Centrally Curated Resources** data locally, how often should SWEET update its **Centrally Curated Resources** data, and where to find the **Centrally Curated Resources**. For this step, we will be editing the configuration files that are located in the eagle-i home directory, `${EAGLE_I_HOME}`, in the `conf` directory and in the `.config` directory.

a. eagle-i-apps-credentials.properties

To let the SWEET application know the credentials for this new user, a new set of properties needs to be added to the credentials property file. This file is located in the `.config` directory of the `${EAGLE_I_HOME}` directory, e.g. `/opt/eaglei/.config/eagle-i-apps-credentials.properties`.

Add the following lines to the eagle-i-apps-credentials.propertiesfile:

```
# GLOBAL SERVICE
eaglei.datatools.globals.user=GlobalUser
eaglei.datatools.globals.password=GlobalPw
```

Please substitute the username and password that you have created for the example ones.

b. eagle-i-apps.properties

This file no longer needs to specify any configurations. The defaults have been updated to always require the use of the **Centrally Curated Resources** and the location of the **Centrally Curated Resources** repository is defaulted to be `https://global.eagle-i.net`. If desired, the polling frequency can be adjusted with the following properties:

- To let SWEET know how often it should update its NG_GlobalProxy with data from **Centrally Curated Resources** repository, add the following lines to the eagle-i-apps.propertiesfile:

```
# the frequency to perform the polling for global information
eaglei.datatools.globalPolling.frequency=12

# the time unit for the frequency, *must* be one of java.util.concurrent.TimeUnit
# [DAYS, HOURS, MINUTES, SECONDS, MILLISECONDS, MICROSECONDS, NANOSECONDS]
eaglei.datatools.globalPolling.unit=HOURS
## -- END GLOBALS --
```

You can tweak the frequency as you see fit, however we recommend 12 hours as the polling frequency.

c. local-node.xml

Insert the following snippet at the beginning of your `local-node.xml` file, after the `<local>` tag:

```
<global URL="http://global.eagle-i.net">
  <institutionList>
    <institution URI="http://purl.org/eagle-i/app-ext/#ERO_0000065_29" graphURI="
test29">
      <namespace>global.eagle-i.net</namespace>
      <logoSrc>images/logo_global.png</logoSrc>
    </institution>
  </institutionList>
</global>
```

Here is an example of a complete local-node.xml file with the new information about the **Centrally Curated Resources**:

```
<?xml version="1.0" encoding="UTF-8"?>
<local>
  <global URL="http://global.eagle-i.net">
    <institutionList>
      <institution URI="http://purl.org/eagle-i/app-ext/#ERO_0000065_29">
        <namespace>global.eagle-i.net</namespace>
        <logoSrc>images/logo_global.png</logoSrc>
      </institution>
    </institutionList>
  </global>
  <node url="http://foo.bar.edu">
    <institutionList>
      <institution URI="http://purl.org/eagle-i/app-ext/#ERO_0000065_3"
graphURI="test3">
        <namespace>foo.bar.edu</namespace>
        <label>Furry Object Orientation University</label>
        <logoSrc>images/logo_foo.png</logoSrc>
      </institution>
    </institutionList>
  </node>
</local>
```

3. Restart tomcat

Finally, restart tomcat to pick up the changes to the configuration files.

New Centrally Curated Resource

At this time, if there is not a **Centrally Curated Resources** that corresponds to your needs, you may still create locally instances of private companies and government agencies. We will periodically update the **Centrally Curated Resources** and provide updated data migration files to reflect this.

Data Migration



If your institution is **not** one of the eagle-i network institutions (i.e. connected to central search prior to April 1, 2013), please contact us for assistance to migrate your data.

To completely integrate the **Centrally Curated Resources** within the institution's data repository, the existing data in the repository needs to be migrated.

1. From the command line, navigate to the command line tools folder in the repository home directory (see [repository installation and administration guide](#). For example

```
cd /opt/eaglei/repo/etc
```

2. Run the globals-migration.sh script. You will need to know the administrative credentials for the repository. In the following example, we assume the username for the administrative user is adminUser and the password is adminPw. We also assume that the url for the repository is <http://foo.bar.edu>

```
bash globals-migration.sh adminUser adminPw http://foo.bar.edu
```

Verify Centrally Curated Resources works

SWEET

To verify that you have configured **Centrally Curated Resources** correctly for SWEET, try to enter a new [Instrument](#). When selecting a **Manufacturer**, you should see a group of manufacturers under the heading of Centrally Curated Resources (see image in [SWEET - Entering Data](#)).

Search - Institution (*OPTIONAL*)

If you have installed institution search and you have successfully migrated your data, you will not notice a difference in the resource's instance page. However, when you click through to a **Centrally Curated Resource**, you will notice that the logo is no longer your institution's logo, but the logo for the **Centrally Curated Resources** data repository.

Search - Central

You will not notice a difference in the resource's instance page. However, when you click through to a **Centrally Curated Resource**, you will notice that the logo is no longer your institution's logo, but the logo for the **Centrally Curated Resources** data repository.

Fine print

- **Centrally Curated Resources** are not searchable as a resource themselves.
- Tomcat may appear to take a little bit longer to shut down. This is expected.