

Integration with Profiles RNS

Introduction:

This page describes the steps necessary to enable eagle-i integration with Profiles RNS. Specifically, the steps required in the eagle-i software to enable the integration. The integration relies on an eagle-i web service that is available in version 3.1 and later releases of the software, configuration of the web service, updating/creating person records in eagle-i with the corresponding Profiles URI, establishing an external recurring process to access the web service and make the data available to Profiles, and finally enabling the option in your local installation of Profiles RNS.

Software requirements:

- eagle-i SWEET application, version 3.1 and later
- eagle-i repository application, version 3.1 and later
- Profiles RNS, version 2.5.1 and later

eagle-i integration implementation:

1. SWEET application is required
 - a. Profiles URIs need to be added to all Person records in eagle-i
2. Define the base URL for Profiles
 - a. In the eagle-i-apps.properties, add a new property `eaglei.datatools.profilesBase`
 - b. The expected value of this property is a URL
 - c. The default value of this property is <http://connects.catalyst.harvard.edu/profiles/profile/person/>
3. In order to display resource types in a user friendly and compact format, a csv file is required. Create a csv file that maps the name of the resource type as defined by the eagle-i ontology and the desired display name
 - a. The expected name of the file is `profiles-resource-label-mappings.csv`
 - b. The expected location of the file is in the same directory as the eagle-i-apps.properties file, in other words, the eagle-i config directory.
 - c. The expected format of the file is:
 - i. lines that start with '#' and blank lines are ignored
 - ii. each line is one mapping
 - iii. each mapping is in the form of key, value. These are case sensitive.
 - iv. keys starting with * indicate a partial match and are meant to cover several eagle-i terms that share a common part. For example, *Mus means that both Mus and Mus Musculus will be mapped.
 - d. Sample file: [profiles-resource-label-mappings.csv](#)
 - e. For the mapping *Mus, Mouse strains:

The image shows a screenshot of the eagle-i web interface and a corresponding CSV mapping file. The web interface displays a search for 'Mus musculus' with a sidebar of 'Resource Types' and a main panel showing 'Research resources'. A red box highlights 'Mus musculus' in the sidebar, and a red box highlights 'Clapham Lab - Mouse strains (30)' in the main panel. A red arrow points from the 'Mus musculus' entry in the sidebar to the 'Clapham Lab - Mouse strains (30)' entry in the main panel. The CSV file, titled 'profiles-resource-label-mappings.csv', is shown in a VIM editor. It contains a list of 'Root types' and 'Specific types'. A red box highlights the 'Specific types' section, and a red arrow points from the 'Specific types' section to the 'Clapham Lab - Mouse strains (30)' entry in the main panel. The CSV file contains the following content:

```
# The contents will be parsed as a map where key=firstCol value=secondCol.
# If key starts with *, it is interpreted as the common denominator of all
# labels that need to be mapped to a value.
# Keys are case insensitive.

#Root types
Biological Specimen,Biological Specimens
Database,Databases
Human Study,Human Studies
Instrument,Instrument
Protocol,Protocol
Reagent,Reagents
Research opportunity,Research opportunities
Service,Core services

#Specific types
*Mus,Mouse strains
*Gallus,Chicken resources
Danio rerio,Zebrafish lines
*Drosophila,Drosophila lines
Caenorhabditis elegans,C. elegans lines
Saccharomyces cerevisiae,S. cerevisiae strains
Cubitermes flavipes,C. flavipes strains
```

4. Set up an external process which accesses the eagle-i profiles web service and writes the response to a location. This process should be recurring to get updated information.
 - a. The web service is located at [your eagle-i installation]/sweet/profiles.
 - b. For example, Harvard's eagle-i profiles web service is located at <http://harvard.eagle-i.net/sweet/profiles>
5. Configure Profiles application to access this resource dump (following Profiles instructions)