

Using the IRAP Code Library

Data Infrastructure IRAP Training

8/7/2014

Agenda

- ▶ Accessing the IRAP Code Library
- ▶ Eligible Assets
- ▶ Asset Registration Requirements
- ▶ Asset Certification Process
- ▶ Searching the IRAP Code Library
- ▶ Q & A

Accessing the Code Library



Access via Data Operations Hub

UNIVERSITY OF CALIFORNIA Data Operations Hub

HOME SERVICES DATA VALIDATION SUPPORT & TRAINING SUBJECT AREAS ABOUT

About the UC Data Operations Hub

The UC Data Operations Hub is a collaborative effort by UCOP Institutional Research and Academic Planning (IRAP) and Data Services team to support the UC Data Warehouse and the UC Information Center by providing access, support and training on institutional data and data processes to UC employees.

ACCESSING THE UC REPORT CENTER

- » Sign-in to Cognos
- » Sign-in to Tableau (Production)
- » Sign-in to Tableau (UAT)

RESOURCES

ACCESSING ATlassian JIRA

[Sign-in to JIRA](#)

Visit

<http://data.ucop.edu/>.

Scroll to the bottom right side of the screen and click on the ‘[Sign-in to JIRA](#)’ link

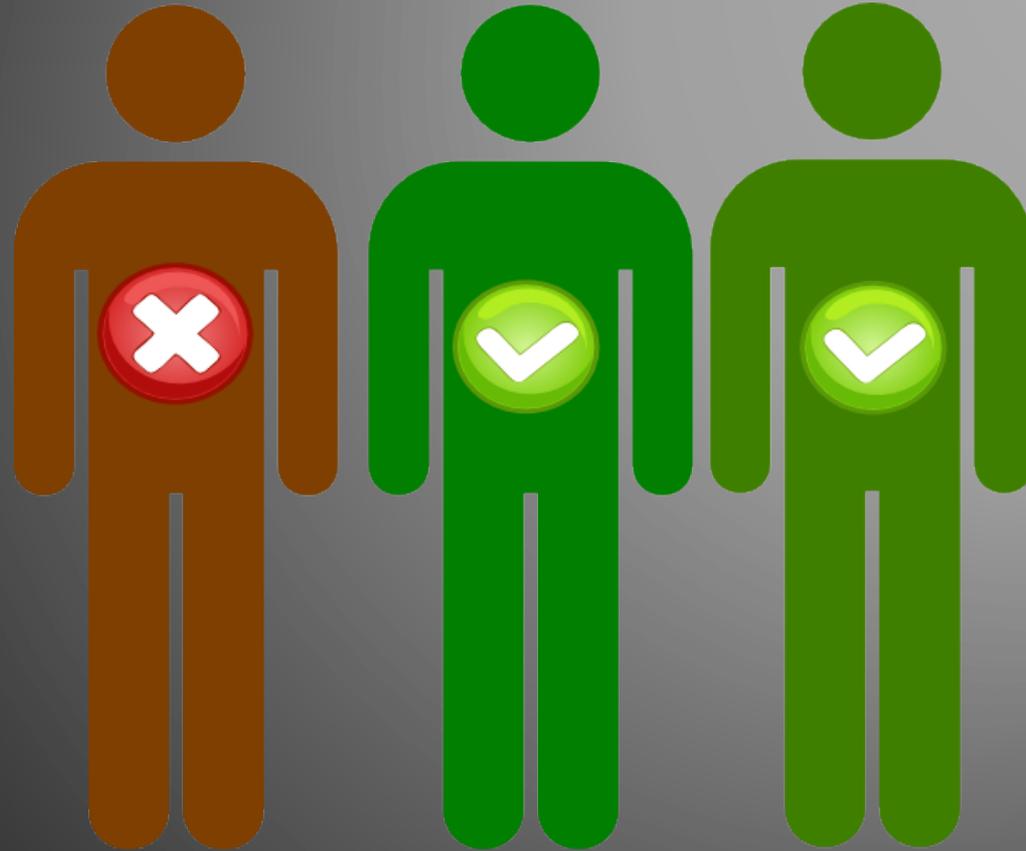


The Code Library in JIRA

The image shows a sequence of three steps in navigating to a JIRA project page:

- Step 1:** The top navigation bar of the JIRA interface is shown. The 'Projects' tab is highlighted with a blue box and a blue circle containing the number '1'. An arrow points from this tab to the next step.
- Step 2:** A dropdown menu for the 'Projects' tab is displayed. The 'IRAP Code Library (ICL)' project is highlighted with a blue box and a blue circle containing the number '2'. An arrow points from this project to the next step.
- Step 3:** The main content area of the JIRA page is shown, displaying the details for the 'IRAP Code Library / ICL-17' issue. The issue title is 'Find columns based on a wild card string'. The issue is categorized as an 'Asset' with a 'Medium' priority and an 'Unresolved' status. The description states: 'This query searches the metadata table SYSCAT.COLUMNS for a wildcard string. It searches all the tables in the database and returns the schema name, table name, and column name that contains the wildcard string. This is useful for users who are using free version of DB visualizer tool, as the free version does not have the "search objects in database" feature.' An attachment named 'Find_Columns.sql' is visible at the bottom of the page, with a blue circle containing the number '3' next to it.

Eligible Assets



IRAP Code Library Assets

- ▶ SAS
- ▶ SQL
- ▶ PL/SQL
- ▶ R
- ▶ Python
- ▶ SAS EGP
- ▶ Tableau

Asset Registration Requirements



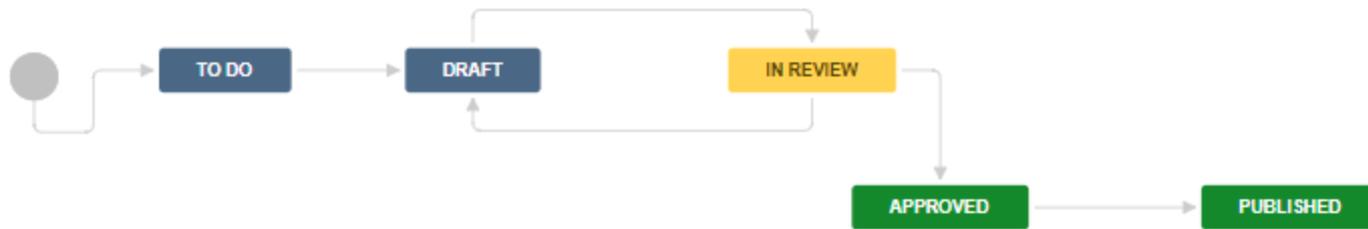
Checking in an Asset

- ▶ Summary/Description
- ▶ Subject Area
- ▶ Description
- ▶ Code Environment
- ▶ Code Type
- ▶ Code Comments Complete?
- ▶ Code Functionality Complete?
- ▶ Code Naming Convention Complete
- ▶ Code Complexity Level
- ▶ Attachment
- ▶ Publication Date

Asset Certification



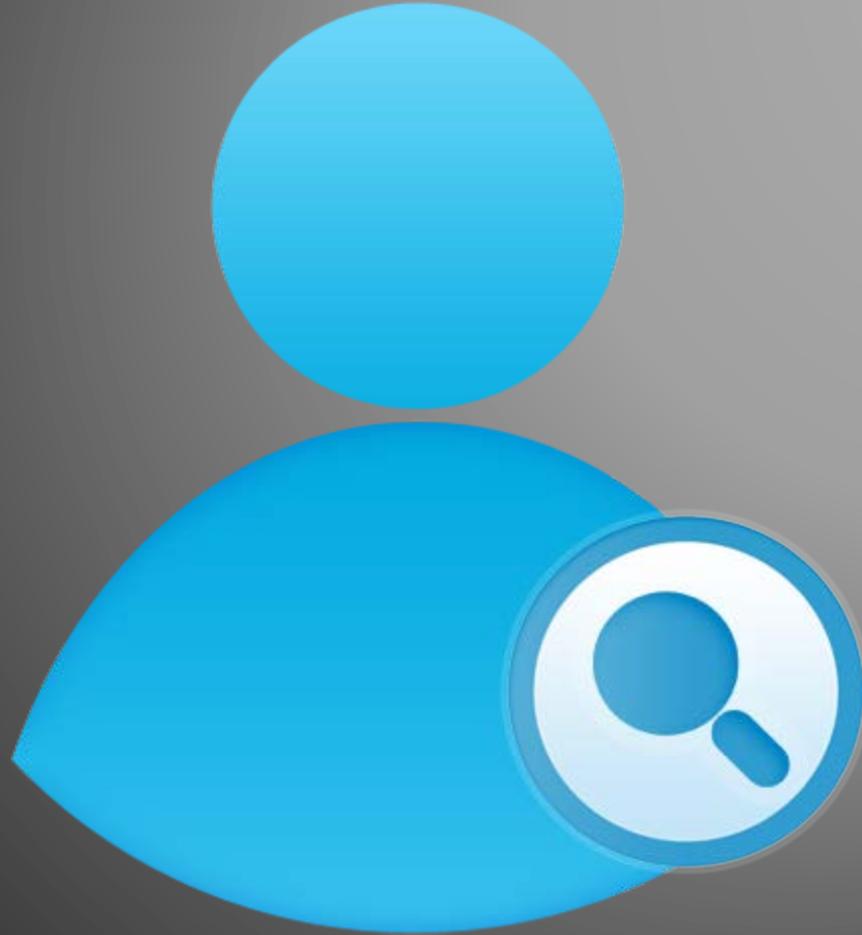
Asset Workflow Process



Workflow Steps Described

- ▶ **To-Do** – Placeholder for an asset that you intend to place in the code library.
 - Note – Do not create a placeholder for code you do not plan to build.
- ▶ **Draft** – Code that is in DRAFT status and still being developed by author.
- ▶ **In Review** – Code that is undergoing peer review for completeness and accuracy.
- ▶ **Approved** – Code that has undergone peer review and is deemed complete and accurate.
- ▶ **Published** – Code that is available for reuse.

Searching the Code Library



Searching the Code Library

1. Log into JIRA, select your project. Within the search options, select the **More** option.
2. The list of available fields to search by are displayed in a list.
3. For example, select **Subject Area** to search code library by subject area.
4. Select **Student Financial Support** as the subject area that you are investigating for reusable assets.
5. A list of assets that involve the Student Financial Support subject area will displayed.

Search Function – Example

1 Search bar

2 Recent Criteria

- Resolution
- Description
- Label
- Summary

3 Advanced search options

- Rank
- Reporter
- Resolution Date
- Service Now Number
- Sprint
- Subject Area
- Summary
- Updated Date
- Years Impacted

4 Subject Area: Student Financi...

- Payroll-Personnel
- Student Enrollment (REG)
- Student Financial Support (...)
- Summer Student Enrollmen...
- UC Alumni
- UC Spend
- Undergraduate Admissions ...

5 Search results table

Key	T	Status	Summary	Description	Subject Area
ICL-16	TO	DO	Federal loan recipients and amounts in a year	List of individual Fed Loan recipients, with total loan amount, and ab540 status for adjusted residency for 2016. Includes students enrolled all year, including summer.	Student Enrollment (REG), ... (2)
ICL-15	TO	DO	Cal Grant recipients in a year (individual list)	List of individual Cal Grant recipients, with ab540 status for adjusted residency for 2016. Only those enrolled.	Student Enrollment (REG), ... (1)
ICL-14	TO	DO	List of Blue and Gold recipients in a year	This code returns a List of individual Blue and Gold recipients, with ab540 status for adjusted residency for 2016. Can be modified for any academic year. Only students enrolled in the academic year.	Student Enrollment (REG), ... (1)
ICL-13	TO	DO	List of individual Pell recipients, with ab540 status for adjusted residency for AY2016	This asset is a SQL query that returns a list of individual Pell recipients, with ab540 status for adjusted residency for academic year: 2016	Student Enrollment (REG), ... (1)
ICL-12	TO	DO	Undergraduate Cumulative Debt	Cumulative student loan debt for undergraduates by campus, entry level and graduation year beginning in 1999-00. Includes total debt and federal debt separately. Requires using star schema data back to 2002 and including shadow FAI data from 1993 to 2002. Requires transforming UCB IDs to the old CDW standard to join across all years.	Student Financial Support (FAI)

6 Removing filters

Searching by FAI subject area

A variety of search options

