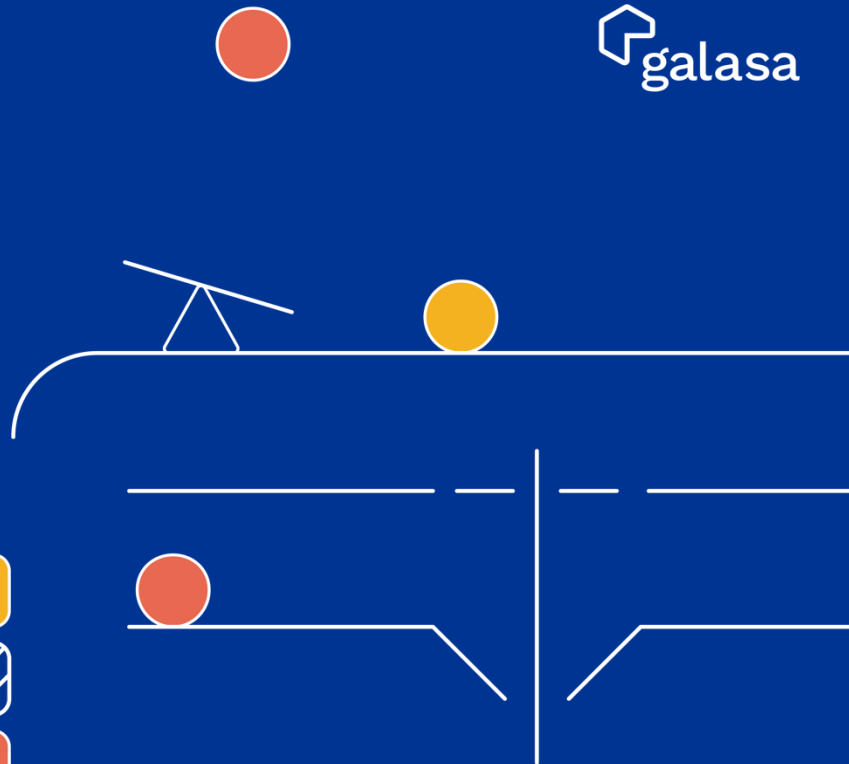
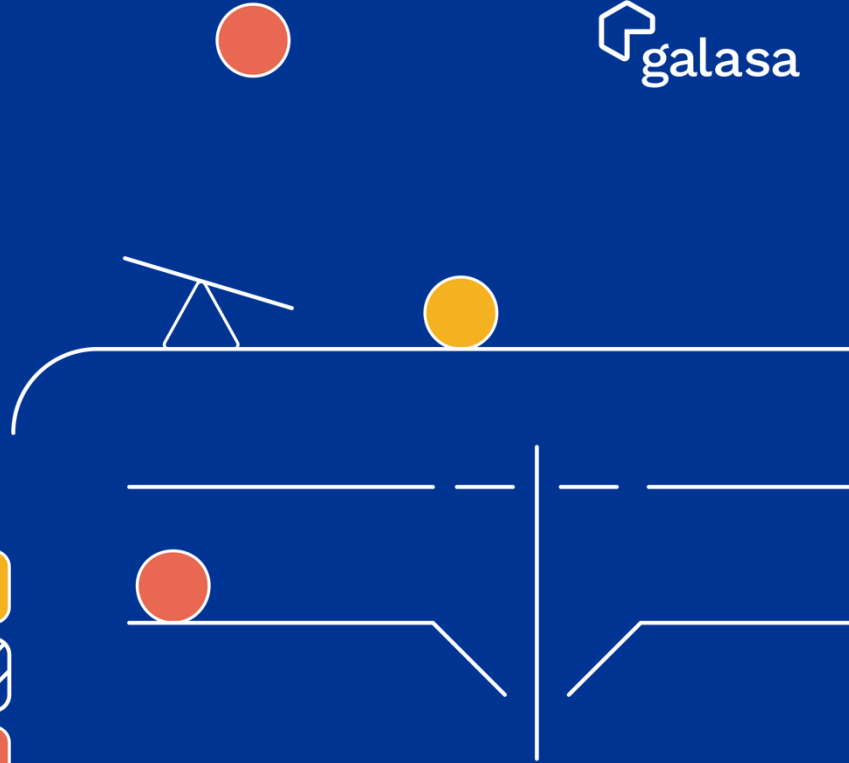


# TSC Nov 26<sup>th</sup>

Recent Activity



# Secrets on the Galasa Service



# Roles



Test Service admin

Sets and rotates encryption/decryption keys in  
Kubernetes secret

Used to protect the secrets in the Galasa Service

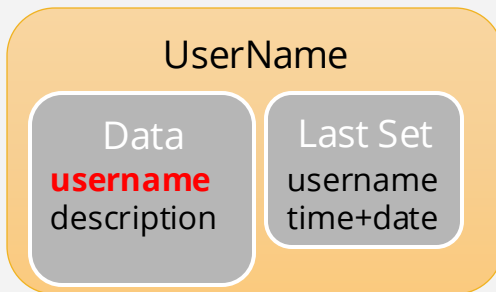
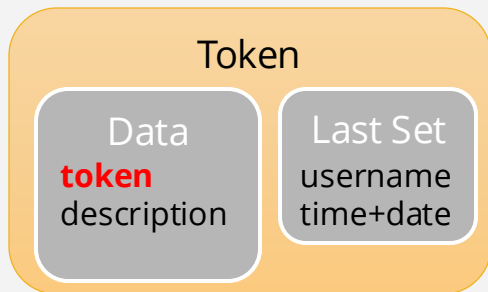
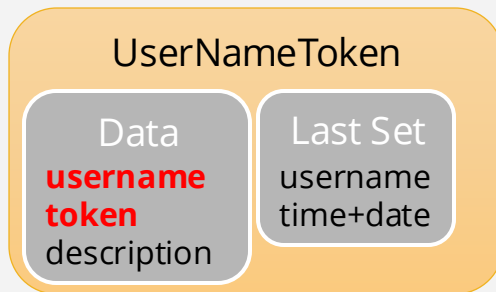
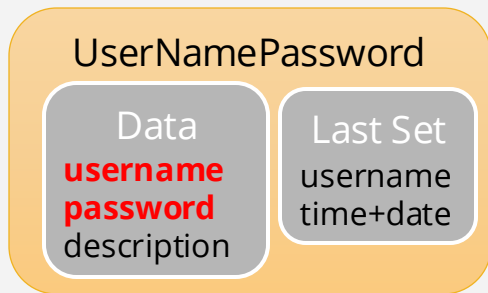


Test Service User

Sets and rotates secrets used by the tests in the Galasa Service

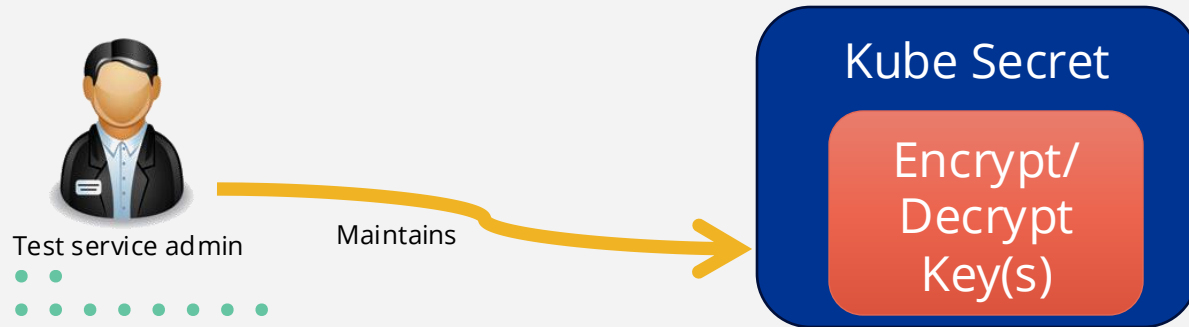


# Types of secret

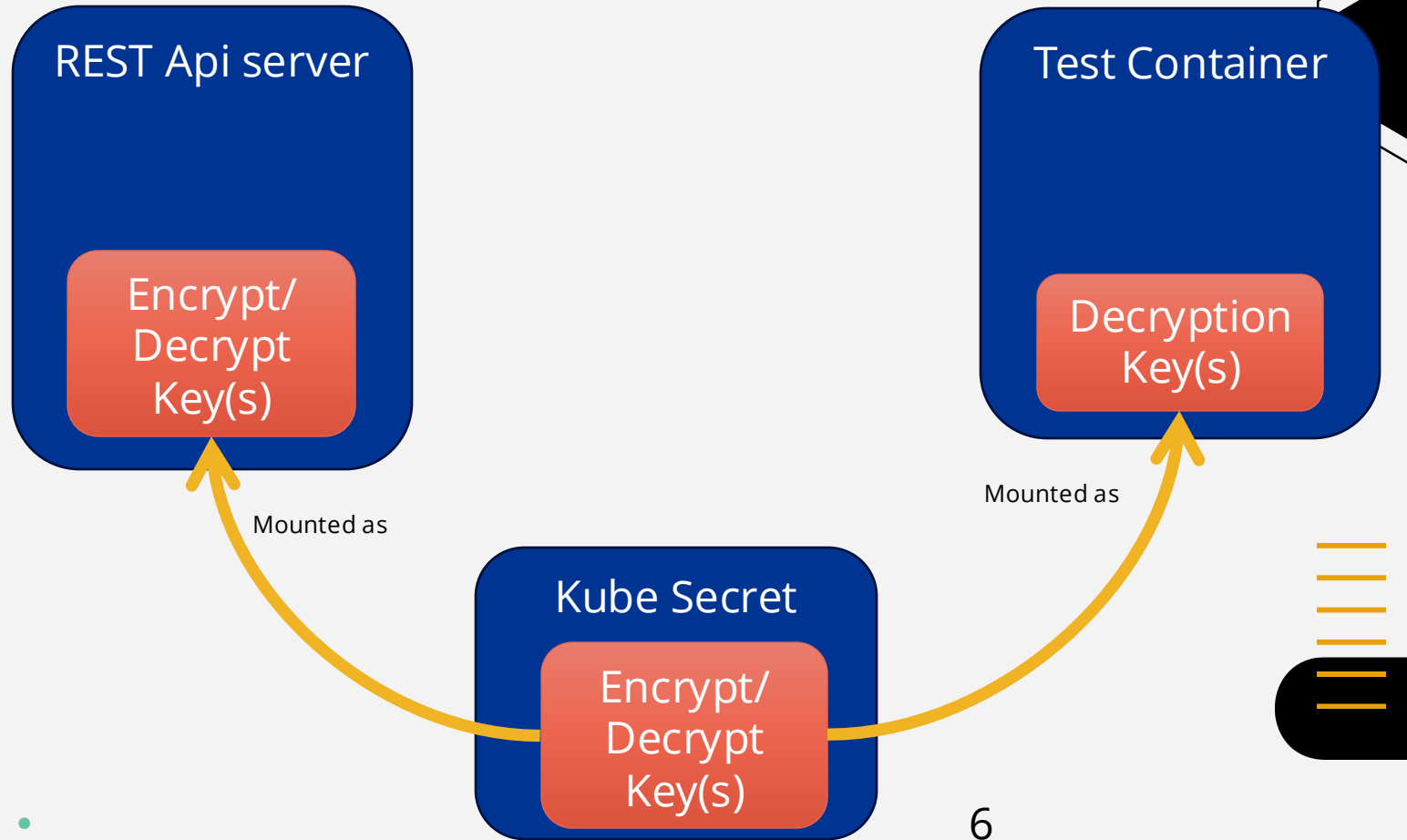


# Secrets and Credentials

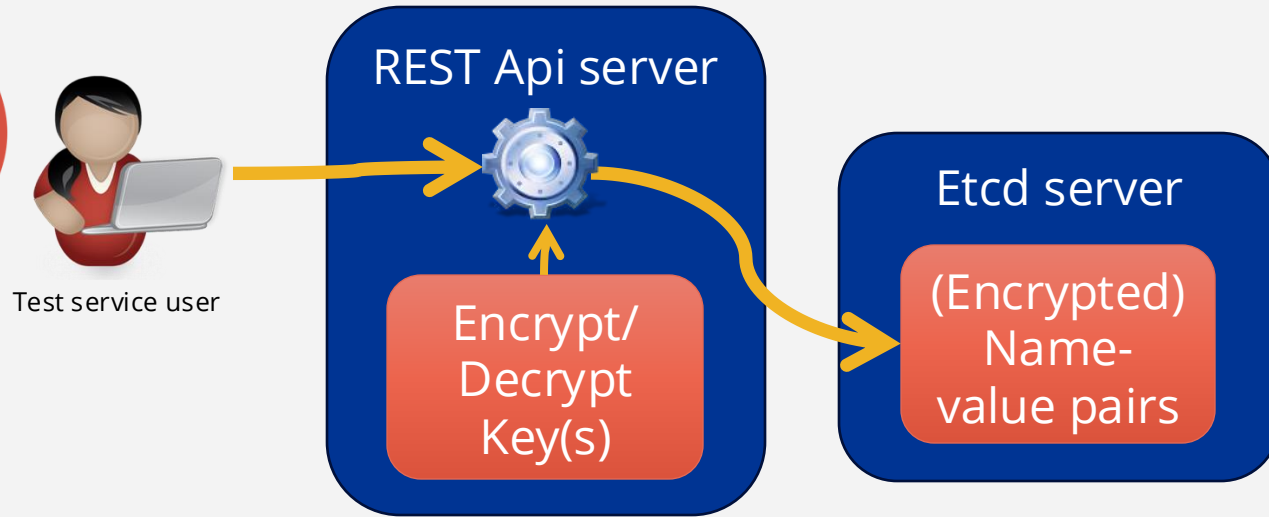
Test Service administrator sets and recycles and encryption key + some decryption keys



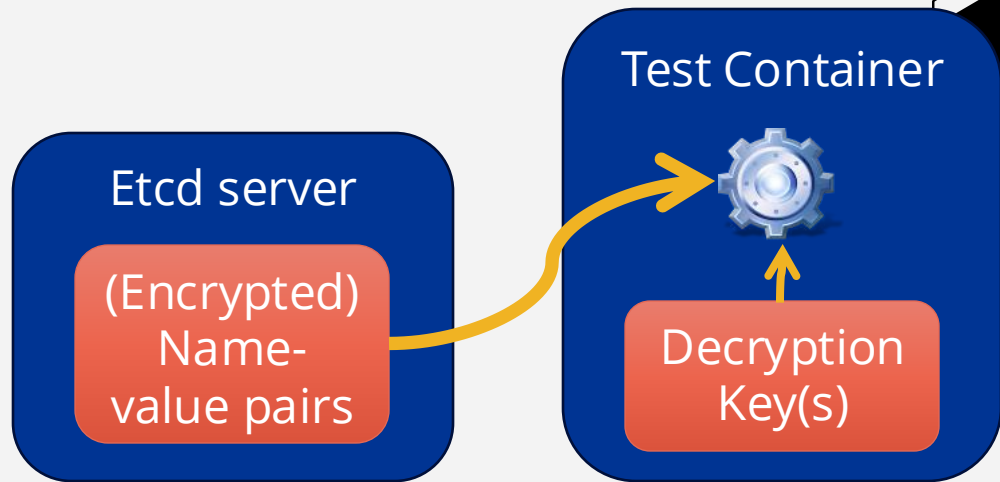
# Keys are shared with pods



# Test service user can set a secret



# Tests can get secrets





# Command line manipulation of secrets

```
galasectl secrets set --name SYSTEM1 --username "my-username" --password "my-password"
```

```
galasectl secrets set --name SYSTEM1 --username "my-username" --token "my-token"
```

```
galasectl secrets set --name SYSTEM1 --base64-username "my-base64-username" --base64-password "my-base64-password"
```

```
galasectl secrets get --name SYSTEM1
```

```
galasectl secrets delete --name SYSTEM1
```

```
galasectl resources apply -f <yaml-filename>
```

# Recycle encryption key process



Test service admin

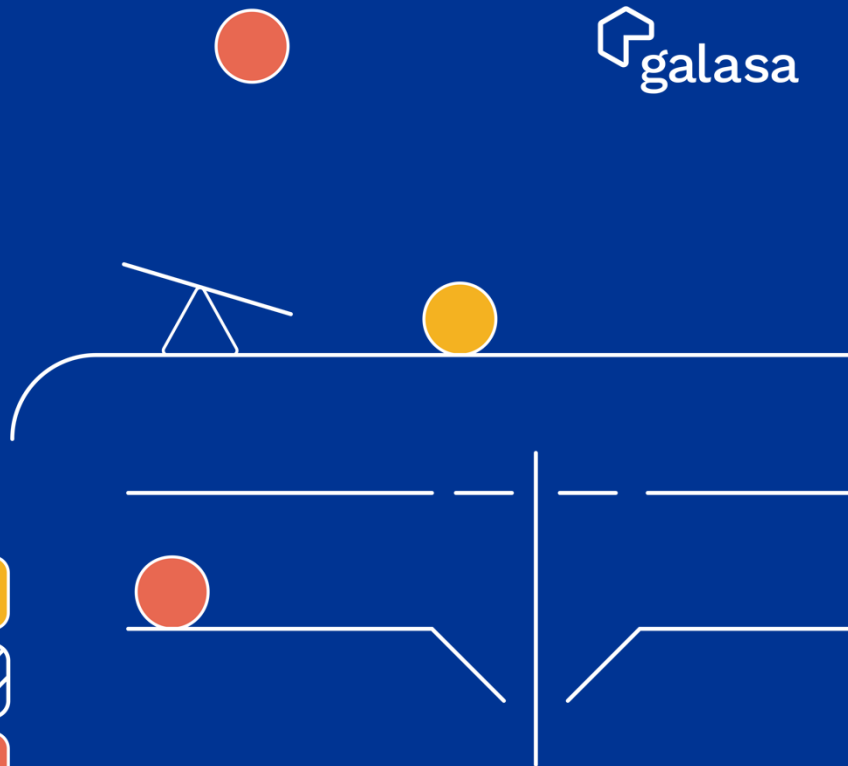
## Kube Secret

Current Encryption/  
Decryption key

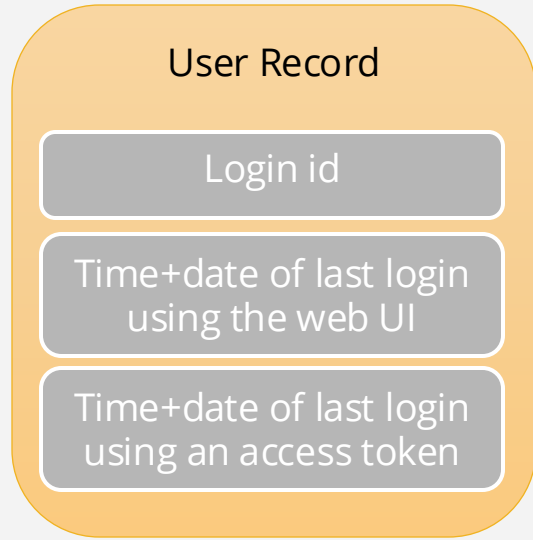
Fall-back decryption  
keys

- Set a new encryption key:
  - Move the current encryption key into the list of fallback decryption keys
  - Set a new encryption key
  - Recycle API server pod
- Read all the secrets out of the system
- Set all the secrets back into the system
- Remove the old key from the fall-back decryption key list

# User Records



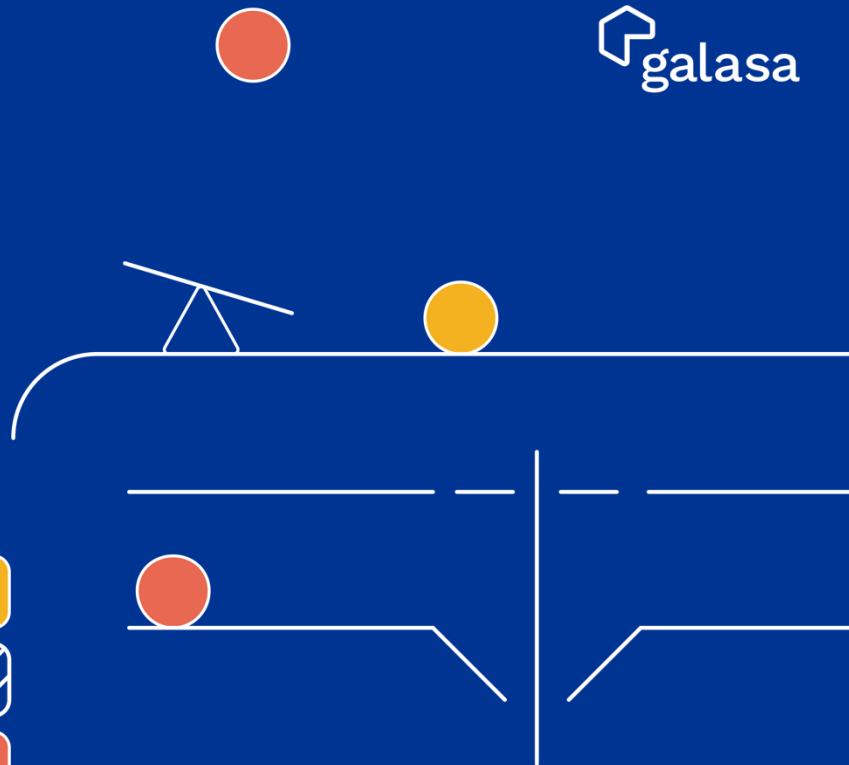
# User Record



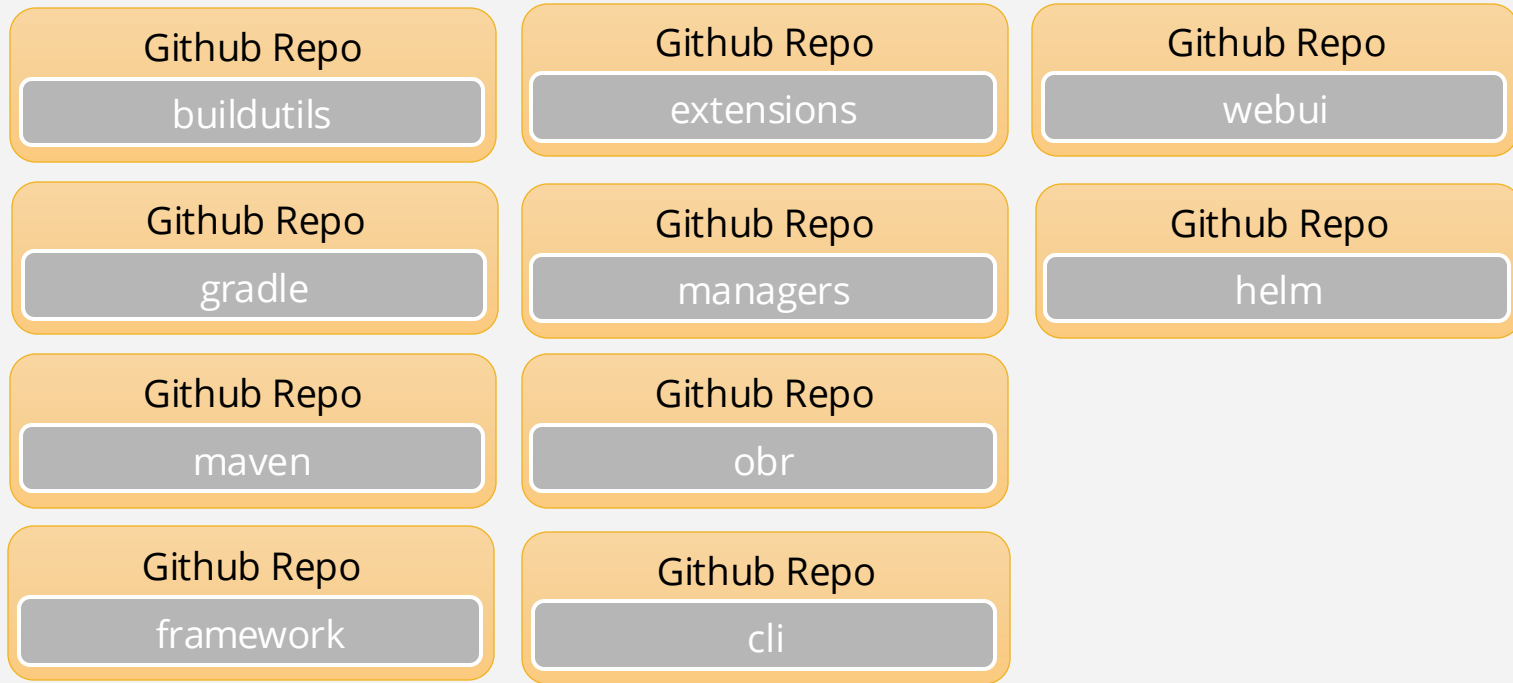
- Creating a concept of a user on the system
- Establishes a way of finding out if a user is 'inactive' on the service
- Paves way for user record to contain a 'role' for role-based access

# Simplify contributions

Jade



# Before...



# Now...

## Github Repo

buildutils

wrapping

gradle

maven

framework

extensions

managers

obr

## Github Repo

webui

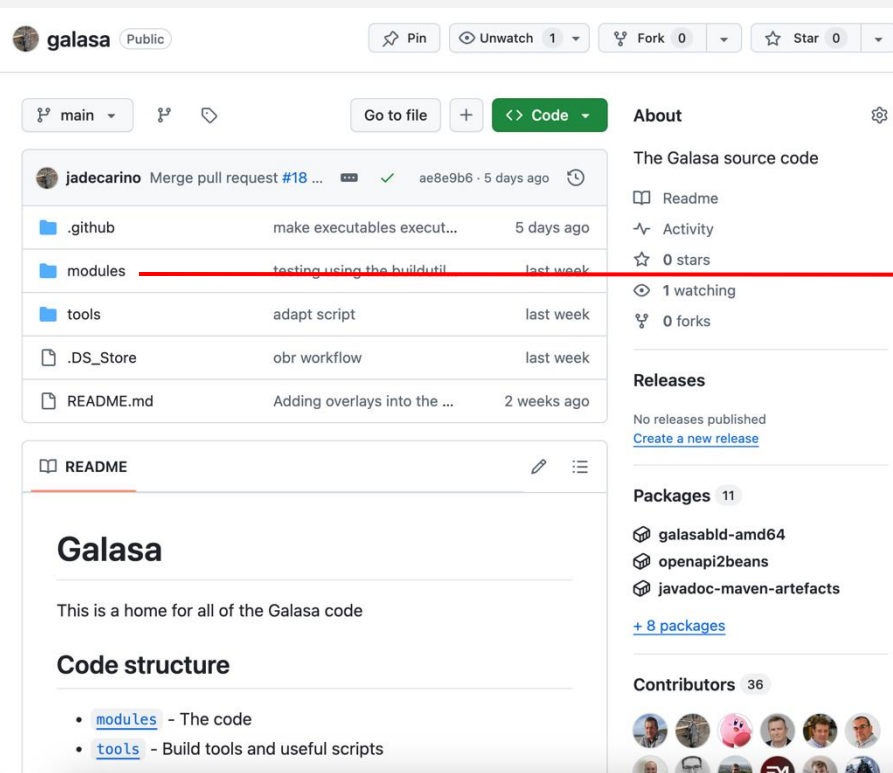
## Github Repo

helm

## Github Repo

cli

# Mono repo structure



**galasa** Public

main

Go to file + <> Code

**About**

The Galasa source code

Readme Activity 0 stars 1 watching 0 forks

**Releases**

No releases published [Create a new release](#)

**Packages** 11

- galasabld-amd64
- openapi2beans
- javadoc-maven-artefacts

[+ 8 packages](#)

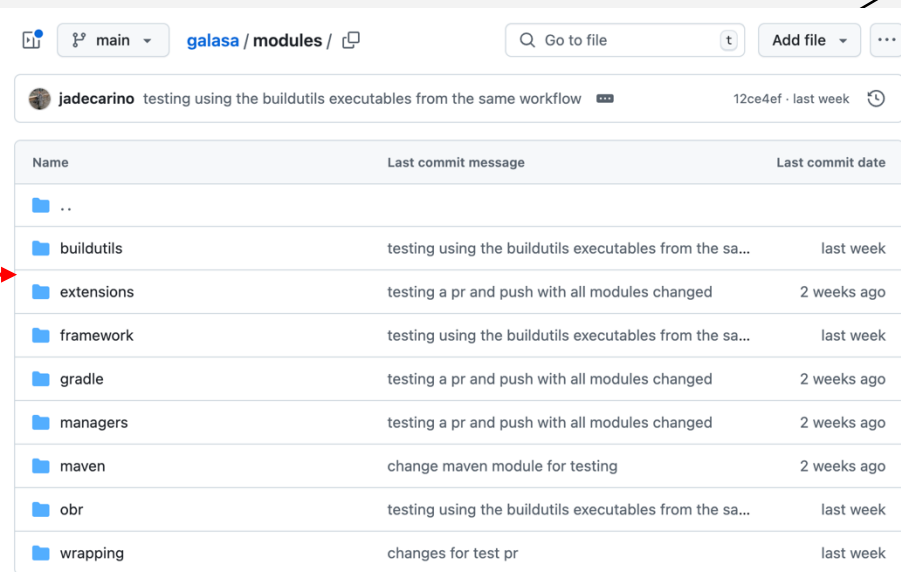
**Contributors** 36

**Code structure**

- [modules](#) - The code
- [tools](#) - Build tools and useful scripts

**Files**

- [.github](#) make executables execut... 5 days ago
- [modules](#) testing using the buildutil last week
- [tools](#) adapt script last week
- [.DS\\_Store](#) obr workflow last week
- [README.md](#) Adding overlays into the ... 2 weeks ago



main galasa / modules /

Go to file t Add file

**jadecarino** testing using the buildutils executables from the same workflow 12ce4ef · last week

Name	Last commit message	Last commit date
..		
buildutils	testing using the buildutils executables from the sa...	last week
extensions	testing a pr and push with all modules changed	2 weeks ago
framework	testing using the buildutils executables from the sa...	last week
gradle	testing a pr and push with all modules changed	2 weeks ago
managers	testing a pr and push with all modules changed	2 weeks ago
maven	change maven module for testing	2 weeks ago
obr	testing using the buildutils executables from the sa...	last week
wrapping	changes for test pr	last week



# Workflows are stored in the .github/workflows directory

Repository: **galasa / .github / workflows**

Commit: **jadecarino** make executables executable 2ea80b5 · 5 days ago

Name	Last commit message	Last commit date
..		
buildutils.yaml	renaming workflows to shorter names	2 weeks ago
extensions.yaml	parameterise for releases	last week
framework.yaml	parameterise for releases	last week
gradle.yaml	parameterise for releases	last week
managers.yaml	parameterise for releases	last week
maven.yaml	parameterise for releases	last week
obr.yaml	fix path	last week
pr-buildutils.yaml	renaming workflows to shorter names	2 weeks ago
pr-extensions.yaml	implement script to find changed artifacts throughout	last week
pr-framework.yaml	make executables executable	5 days ago
pr-gradle.yaml	renaming workflows to shorter names	2 weeks ago
pr-managers.yaml	implement script to find changed artifacts throughout	last week
pr-maven.yaml	implement script to find changed artifacts throughout	last week

Repository: **galasa / .github / workflows / pull-requests.yaml**

Code Blame

```
65     ./tools/get-last-successful-workflow-run-for-artifacts.sh --repo ${ github.repository }
66
67     pr-build-buildutils:
68       name: Build the 'buildutils' module
69       needs: [get-changed-modules, find-artifacts]
70       uses: ../github/workflows/pr-buildutils.yaml
71       secrets: inherit
72     with:
73       changed: ${ needs.get-changed-modules.outputs.buildutils_changed }
74
75     pr-build-wrapping:
76       name: Build the 'wrapping' module
77       needs: [get-changed-modules, find-artifacts]
78       uses: ../github/workflows/pr-wrapping.yaml
79       secrets: inherit
80     with:
81       changed: ${ needs.get-changed-modules.outputs.wrapping_changed }
82
83     pr-build-gradle:
84       name: Build the 'gradle' module
85       needs: [get-changed-modules, find-artifacts]
86       uses: ../github/workflows/pr-gradle.yaml
87       secrets: inherit
88     with:
89       changed: ${ needs.get-changed-modules.outputs.gradle_changed }
90
91     pr-build-maven:
92       name: Build the 'maven' module
93       needs: [get-changed-modules, find-artifacts, pr-build-gradle]
94       uses: ../github/workflows/pr-maven.yaml
95       secrets: inherit
96     with:
97       changed: ${ needs.get-changed-modules.outputs.maven_changed }
98       gradle-artifact-id: ${ needs.find-artifacts.outputs.gradle_artifacts_id }
99
100     pr-build-framework:
101       name: Build the 'framework' module
102       needs: [get-changed-modules, find-artifacts, pr-build-buildutils, pr-build-wrapping, pr-build-maven]
103       uses: ../github/workflows/pr-framework.yaml
104       secrets: inherit
```

# Only modules that have changed are built

## Mybranch #18

**Merged** jadecarino merged 3 commits into `main` from `mybranch` 5 days ago

Conversation 0 Commits 3 Checks 21 Files changed 7 +124 -29

Changes from all commits File filter Conversations Jump to 0 / 7 files viewed Review changes

- > 48 .github/workflows/pr-framework.yaml
- > 91 .github/workflows/pr-obr.yaml
- > 5 .github/workflows/pull-requests.yaml
- > 2 modules/buildutils/README.md
- > 2 modules/framework/README.md
- > 2 modules/obr/README.md
- > 3 tools/get-last-successful-workflow-run-for-artifacts.sh

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← Pull Request Build Orchestrator

## Mybranch #65

Re-run all jobs

Get the modules ch...

Get Workflow Run I...

Build the 'buildutils' ...

Buildutils is uncha...

Build galasabl

Build openapi2bea...

Build the 'wrapping' ...

Wrapping is uncha...

Build Wrapping so...

Build the 'gradle' m...

Gradle is unchanged

Build Gradle sourc...

Build the 'maven' m...

Maven is unchanged

Build Maven sourc...

Build the 'framework'...

Framework is unch...

Build Framework u...

Build REST API do...

Triggered via pull request 5 days ago

Status

jadecarino synchronize #18 mybranch

Success

Total duration

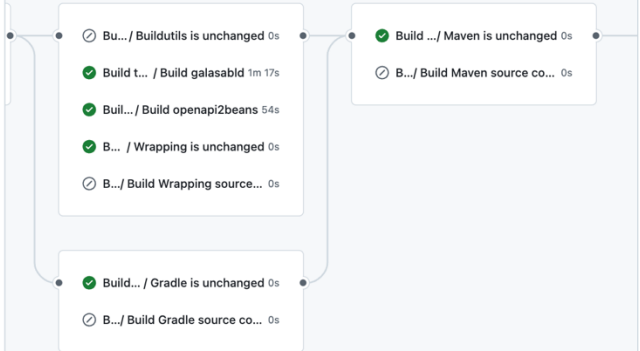
Artifacts

9m 6s

4

## pull-requests.yaml

on: pull\_request



# Artifacts are downloaded either from the same workflow, or the last successful workflow of the base branch

Summary

Jobs

Get the modules changed in thi...

Get Workflow Run IDs with artif...

Build the 'buildutils' module

Build the 'wrapping' module

Wrapping is unchanged

Build Wrapping source code and...

Build the 'gradle' module

Build the 'maven' module

Build the 'framework' module

Framework is unchanged

Build Framework using openapi2...

Build REST API documentation u...

Build the 'extensions' module

Build the 'managers' module

Build the 'obr' module

Run details

Usage

Workflow file

Build the 'framework' module / Build Framework using openapi2beans and gradle

succeeded 5 days ago in 3m 43s

Search logs

> Download openapi2beans artifacts from this workflow1s

> Download wrapping artifacts from this workflow0s

1 ▶ Run actions/download-artifact@v4

18 Downloading single artifact

19 **Error:** Unable to download artifact(s): Artifact not found for name: wrapping

20 Please ensure that your artifact is not expired and the artifact was uploaded using a compatible version of toolkit/upload-artifact.

21 For more information, visit the GitHub Artifacts FAQ: <https://github.com/actions/toolkit/blob/main/packages/artifact/docs/faq.md>

> Download gradle artifacts from this workflow0s

> Download maven artifacts from this workflow0s

> Download openapi2beans artifacts from last successful workflow0s

> Download wrapping artifacts from last successful workflow2s

1 ▶ Run actions/download-artifact@v4

19 Downloading single artifact

20 Preparing to download the following artifacts:

21 - wrapping (ID: 2081617590, Size: 28384983)

22 Downloading artifact '2081617590' from 'jadecarino/galasa'

23 Redirecting to blob download url: <https://productionresultssa17.blob.core.windows.net/actions-results/165f10b7-f57f-4b5f-a114-990daedff956/workflow-job-run-5e862d6c-6523-51e5-2d1f-a87be200b78b/artifacts/7e883b5d8f2869cae0a5cb3ba7e864679d1fe800fede9a5a893e6fcbdcceea02.zip>

24 Starting download of artifact to: /home/runner/work/galasa/galasa/modules/artifacts/dev/galasa

25 (node:1906) [DEP0005] DeprecationWarning: Buffer() is deprecated due to security and usability issues. Please use the Buffer.alloc(), Buffer.allocUnsafe(), or Buffer.from() methods instead.

26 (Use `node --trace-deprecation ...` to show where the warning was created)

27 Artifact download completed successfully.

28 Total of 1 artifact(s) downloaded

29 Download artifact has finished successfully

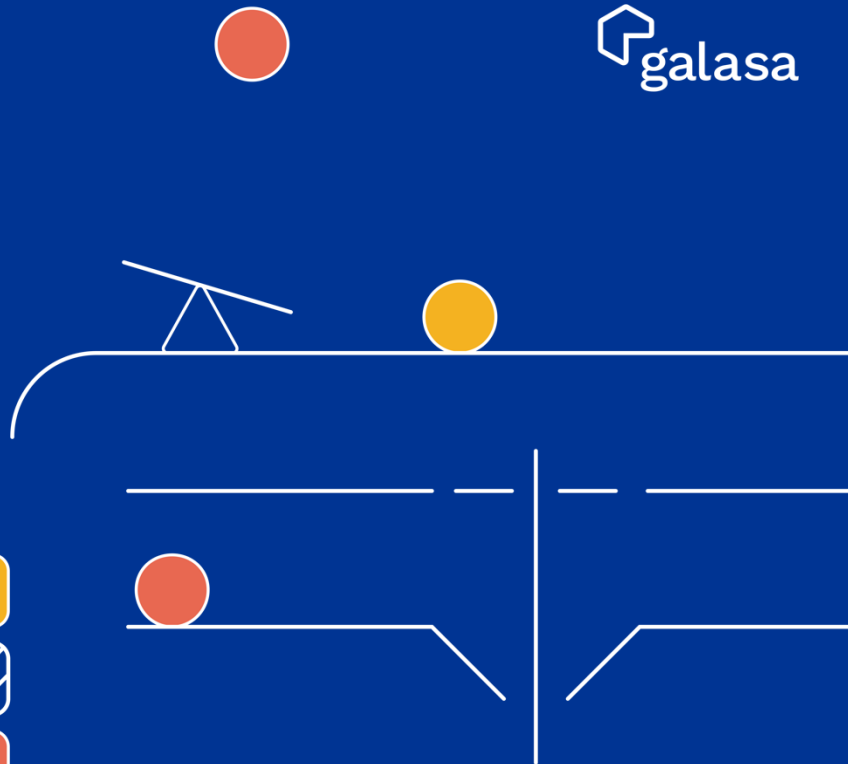
19

All Docker  
images built by  
the mono repo  
now stored  
centrally  
instead of  
across many  
repos

Type: All	Q S	Visibility: All	Sort by: Most downloads
X Clear current search query, filters, and sorts			
11 packages			
galasabld-amd64	Published 2 weeks ago by Jade Carino in <a href="#">galasabld-amd64</a>	40	
openapi2beans	Published 2 weeks ago by Jade Carino in <a href="#">openapi2beans</a>	10	
javadoc-maven-artefacts	Private Published 2 weeks ago by Jade Carino in <a href="#">javadoc-maven-artefacts</a>	9	
javadoc-site	Private Published 2 weeks ago by Jade Carino in <a href="#">javadoc-site</a>	9	
obr-maven-artefacts	Published 2 weeks ago by Jade Carino in <a href="#">obr-maven-artefacts</a>	9	
obr-generic	Private Published 2 weeks ago by Jade Carino in <a href="#">obr-generic</a>	8	
galasa-ibm-boot-embedded-x86_64	Private Published 2 weeks ago by Jade Carino in <a href="#">galasa-ibm-boot-embedded-x86_64</a>	8	
galasa-boot-embedded-x86_64	Private Published 2 weeks ago by Jade Carino in <a href="#">galasa-boot-embedded-x86_64</a>	8	
restapidoc-site	Private Published 2 weeks ago by Jade Carino in <a href="#">restapidoc-site</a>	4	
galasabld-ibm	Published 2 weeks ago by Jade Carino in <a href="#">galasabld-ibm</a>	4	

# What's next...

Mike



# What's next

- Next few iterations:
  - Bug fixes and changes reported/requested by users
  - Some dependencies need version uplifts
  - Release 0.38.0
- After that:
  - Galasa able to draw tests from secure remote maven repository
    - eg: Artifactory
  - Galasa can hold public certificates
    - ...so tests can contact remote services over HTTPS



Thank you!



# Continuous Delivery

Galasa Version	Release Date	Highlights
0.37.0	Sept 17 <sup>th</sup> 2024	Java 17. Performance of Get runs. Delete runs. CLI handles multi-line CPS properties better.
0.36.0	Aug 15 <sup>th</sup> 2024	Gradle 8, Gherkin scenarios and example tables, Sizable gherkin terminals, Revoke access token using the CLI, Couchdb upgrade.
0.35.0	June 2024	DB2 manager fix
0.34.0/0.34.1	June 10th/12th 2024	Remote CPS for local test runs
0.33.0	May 2024	Authentication mandatory. CouchDB upgrade. Updated gradle&maven plugins.
0.32.0	March 2024	Reset/Cancel runs which hang. Run local Gherkin tests. Eclipse plugins withdrawn
0.31.0	Jan 2024	Authentication (optional) CLI set/create/update properties in yaml format
0.30.0	2023-Oct 19	CLI can set/get property values in Ecosystem CLI requestor is always the user id of caller
0.29.0	2023-July 5	Security fixes
0.28.0	2023-June 15	CLI get list of historical runs