

Apache Grails Project Transition Plan

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Ticket Submission(s) to ASF Infrastructure Team

- This Google Doc will be split up into 1 or more tickets submitted to the ASF Infrastructure Team

- The first will be for the git repository migration and related GitHub details from the GitHub sections of this document.
 - Should be submitted around 3/10 and will take a number of days to process
 - Example from Geb project migration: <https://issues.apache.org/jira/browse/INFRA-26249>
- <https://issues.apache.org/jira/browse/INFRA-26631>

Split staging / release

- <https://www.apache.org/legal/release-policy.html>
- <https://infra.apache.org/release-publishing.html#distribution>
- Groovy MavenPublication
 - <https://github.com/apache/groovy/blob/master/build-logic/src/main/groovy/org.apache.groovy-published-library.gradle>
- Proposed Design:
 - Overview
 - To accommodate a staged release strategy, the intent is to do the following:
 - In grails-core, add a pipeline that will create a staged repository
 - <https://github.com/gradle-nexus/publish-plugin/issues/59#issuecomment-1790598141>
 - Have all dependent core builds publish to staging repo:
 - grails-core
 - grails-views
 - grails-data-mapping
 - grails-geb
 - Grails-cache
 - Add a new pipeline in grails-core that will “release” the pipeline.
 - We will make use of github environments to defer publishing of downstream artifacts like the website, docs, etc
 - Ideally, we would refactor grails-core’s build so that it makes use of grailsPublish & is a composed build.

Snapshot Publishing

- Groovy Example: <https://github.com/apache/groovy/blob/43d4f9308bb0bda8e9d5529c2222515c830d9151/build-logic/src/main/groovy/org.apache.groovy-published-library.gradle#L1>

Which Apache Snapshot Repo URL to reference

- <https://repository.apache.org/content/groups/snapshots/>
 - Includes more snapshots
 - IE <https://repository.apache.org/content/groups/snapshots/org/apache/groovy/groovy-all/>
- <https://repository.apache.org/content/repositories/snapshots/>
 - Only the latest snapshot for each major version
 - IE
 - <https://repository.apache.org/content/repositories/snapshots/org/apache/groovy/groovy-all/>

GitHub Secrets

Most of the secrets are set at the Grails github organization level. This will change when the repositories are migrated to <https://github.com/apache>

Current Secrets:

Grails GitHub Organization secrets:

- DEVELOCITY_ACCESS_KEY 4 months ago
- GH_TOKEN 6 months ago
- GRADLE_ENTERPRISE_BUILD_CACHE_NODE_KEY 3 months ago
- GRADLE_ENTERPRISE_BUILD_CACHE_NODE_USER 3 months ago
- GVM_SDKVENDOR_KEY 2 years ago
- GVM_SDKVENDOR_TOKEN 2 years ago
- MAVEN_PUBLISH_PASSWORD 2 months ago
- MAVEN_PUBLISH_SNAPSHOT_URL 2 months ago
- MAVEN_PUBLISH_USERNAME 2 months ago
- NEXUS_PUBLISH_PASSWORD 2 months ago
- NEXUS_PUBLISH_RELEASE_URL 2 months ago
- NEXUS_PUBLISH_STAGING_PROFILE_ID 2 months ago
- NEXUS_PUBLISH_USERNAME 2 months ago
- SECRING_FILE 3 months ago
- SIGNING_KEY 3 months ago
- SIGNING_PASSPHRASE 3 months ago

Additional for grails-forge repository level secrets:

- GCP_APP_NAME
- GCP_CREDENTIALS

- GCP_EMAIL
- GCP_PROJECT_ID
 - value=grails-forge
- GH_OAUTH_LATEST_CLIENT_ID
- GH_OAUTH_LATEST_CLIENT_SECRET
- GH_OAUTH_SNAPSHOT_CLIENT_ID
 - Reused for prev, next and prev_snapshot
- GH_OAUTH_SNAPSHOT_CLIENT_SECRET
 - Reused for prev, next and prev_snapshot
- GH_REDIRECT_URL
- GH_USER_AGENT

New Secrets on Apache GitHub Org or Repository Level

All repositories

Publishing & Signing

Coordinate with Infrastructure to establish new publishing secrets & a new signing key:

- NEXUS_PUBLISH_USERNAME
- NEXUS_PUBLISH_PASSWORD
- NEXUS_PUBLISH_SNAPSHOT_URL =
'https://repository.apache.org/content/repositories/snapshots'
- NEXUS_PUBLISH_RELEASE_URL =
'<https://repository.apache.org/service/local/staging/deploy/maven2>'
- NEXUS_PUBLISH_STAGING_PROFILE_ID
- SECRING_FILE
 - See:
<https://github.com/apache/groovy/blob/43d4f9308bb0bda8e9d5529c2222515c830d9151/build-logic/src/main/groovy/org.apache.groovy-published-library.gradle#L829-L831>
- SIGNING_KEY
- SIGNING_PASSPHRASE

Use ASF provided Gradle Enterprise/Develocity instance and provided secrets

- <https://github.com/apache/groovy-geb/blob/master/.github/workflows/build-check.yml#L31>
- DEVELOCITY_ACCESS_KEY
 - **Remove any reference in workflows to the old secrets**
 - GRADLE_ENTERPRISE_ACCESS_KEY
 - GRADLE_ENTERPRISE_BUILD_CACHE_NODE_KEY

- GRADLE_ENTERPRISE_BUILD_CACHE_NODE_USER

SDKMan

- Stored in 1password
- GVM_SDKVENDOR_KEY
- GVM_SDKVENDOR_TOKEN

Grails-forge repository

these are already repository level and should just come over when repo is moved

- All in 1password, except GH_REDIRECT_URL and GH_USER_AGENT
- GCP_APP_NAME
- GCP_CREDENTIALS
- GCP_EMAIL
- GCP_PROJECT_ID: 'grails-forge'
- GH_OAUTH_LATEST_CLIENT_ID
- GH_OAUTH_LATEST_CLIENT_SECRET
- GH_OAUTH_SNAPSHOT_CLIENT_ID
 - Reused for prev, next and prev_snapshot
- GH_OAUTH_SNAPSHOT_CLIENT_SECRET
 - Reused for prev, next and prev_snapshot
- GH_REDIRECT_URL: 'https://start.grails.org/'
- GH_USER_AGENT: 'https://start.grails.org/'

GitHub teams

- Automatic for PMC members
 - jamesfredley
 - sbglasius
 - jdaugherty
 - matrei
 - sdelamo
 - graemerocher
 - puneetbehl
 - rainboyan
 - paulk-asert
- List of additional users to migrate
 - grails-build
 - Needs repository level role:write

GitHub actions

On implementation, users will be able to issue pull requests against the infrastructure-actions repository to add 3rd party actions to the 'allow list' for use in GitHub Workflows.

<https://github.com/apache/infrastructure-actions>

We ask that all projects whose repositories currently use GitHub Actions enable Dependabot in those repos accordance with our updated (<https://infra.apache.org/github-actions-policy.html>)

****PLEASE NOTE****: Infra will continue to permit use of all currently-allowed custom actions for several months to give projects time to make any necessary changes to their workflows.

We will keep everyone apprised of the timeline as it unfolds. Additionally, we hope to see our builds@ community grow! If you're interested in our efforts surrounding custom GHA management or in-house GHA development, meet us on the #asf-ghactions channel in the the-asf Slack space, or join us on-list at ghactions@infra.apache.org.

Migrated from micronaut custom actions to grails custom actions.

1. <https://github.com/grails/grails-github-actions> - custom github actions for workflows

All GitHub repositories migrating to apache have been set to "always require approval for external contributors" per ASF policy.

3rd party list to add

1st, update to remove the need for any of these.

uses: grails/github locations that need to be updated:

<https://github.com/search?q=org%3Agrails+uses%3A+grails%2Fgithub&type=code>

Then request additions to:

https://github.com/apache/infrastructure-actions/blob/main/approved_patterns.yml

The list to add:

- [peter-evans/repository-dispatch@*](#)
 - Purpose: trigger other workflows
- [gradle/actions/setup-gradle@*](#)
 - Purpose: setup gradle for our builds & handle gradle cache

- google-github-actions/setup-gcloud@77e7a554d41e2ee56fc945c52dfd3f33d12def9a
 - Purpose: deploy start.grails.org backend
 - <https://github.com/apache/infrastructure-actions/pull/145>
- ncipollo/release-action@*
 - Purpose: create releases
- supercharge/mongodb-github-action@90004df786821b6308fb02299e5835d0dae05d0d
 - Purpose: spin up mongodb for tests
 - <https://github.com/apache/infrastructure-actions/pull/146>
- supercharge/redis-github-action@ea9b21c6ecece47bd99595c532e481390ea0f044
 - Purpose: spin up redis for tests
 - <https://github.com/apache/infrastructure-actions/pull/147>

Reasoning on what to add vs what is current:

- Dispatch Workflows
 - Current action: benc-uk/workflow-dispatch
 - Proposed action: <https://github.com/peter-evans/repository-dispatch>
 - Reason: used to trigger kick off of workflows; current action is no longer maintained
- Gradle Build Actions:
 - Current actions: gradle/actions/setup-gradle, gradle/gradle-build-action
 - Proposed Action: gradle/actions/setup-gradle
 - Reason: actions were replaced by setup-gradle action
- google-github-actions/setup-gcloud
- Release Actions:
 - Proposed Action: ncipollo/release-action@v1
 - ncipollo/release-action@1e3e9c6637e5566e185b7ab66f187539c5a76da7 is on the approved list, but we are using v1
- Artifact Actions:
 - Current action: Roang-zero1/github-upload-release-artifacts-action
 - Proposed Action: <https://github.com/actions/upload-artifact>
- Database Start Actions:
 - supercharge/mongodb-github-action
 - supercharge/redis-github-action

Actions that should be removed and no longer supported:

- haya14busa/action-cond - we will be consolidating these repos and do not need this
- Jameslives/github-pages-deploy-action - replaced by our internal action
 - PR to remove: <https://github.com/grails/grails-forge/pull/540>
- The following micronaut actions are replaced by our own:

- list:
 - micronaut-projects/github-actions/pre-release
 - micronaut-projects/github-pages-deploy-action
 - micronaut-projects/github-actions/post-release
 - micronaut-projects/github-actions/export-gradle-properties
 - micronaut-projects/github-actions/release-notes
- PRs:
 - <https://github.com/grails/grails-profiles/pull/20>
 - <https://github.com/grails/grails-forge/pull/540>
- stefanzweifel/git-auto-commit-action - can be replaced by <https://github.com/grails/grails-github-actions/pull/13> using the optional script parameter
 - PR: <https://github.com/grails/grails-forge/pull/540>

GitHub Projects

- <https://github.com/orgs/grails/projects/3>
 - Ask to migrate this project
- <https://github.com/orgs/apache/projects?query=is%3Aopen>

GitHub Discussions

Attempt to transfer <https://github.com/orgs/grails/discussions>

- Maybe under github.com/apache/grails-core

GitHub Wiki

- All empty ones are now disabled
- Transfer, as is, the following
 - <https://github.com/grails/grails-core/wiki>
 - <https://github.com/grails/grails-views/wiki>
 - <https://github.com/apache/grails-cache/wiki>

GitHub Notifications and Commits

- Github notifications to notifications@grails.apache.org
- Github commits to: commits@grails.apache.org

GitHub repo level ASF settings

<https://github.com/apache/infrastructure-asfyaml>

Example from Geb:

- <https://github.com/apache/groovy-geb/blob/master/.asf.yaml>

Example from Groovy (less useful since Groovy uses Jira not GitHub issues etc.):

- <https://github.com/apache/groovy/blob/master/.asf.yaml>

GitHub Repository List

Further consolidation pre-move

- Data consolidation grails-data-mapping
 - <https://github.com/grails/grails-data-neo4j>
 - GORM for Neo4j
 - Last released Mar 15, 2024
 - For Grails 6.0.0
 - <https://github.com/grails/grails-data-graphql>
 - An automatic GraphQL schema generator for GORM
 - Last released Dec 8, 2023
 - For Grails 6.1.0
 - <https://github.com/grails/grails-data-hibernate5>
 - <https://github.com/grails/grails-data-mongodb>

Renaming GitHub Repository

If the repository does not start with grails- we need to rename it.

For now adjust the project name in settings.gradle, as needed to maintain artifact id.

1. rename gorm implementations (repos) to have 'grails-data-' prefix
 - a. rename repo gorm-hibernate5 to grails-data-hibernate5 
 - b. rename repo gorm-mongodb to grails-data-mongodb 
 - c. rename repo gorm-hibernate6 to grails-data-hibernate6
 - d. rename repo gorm-neo4j to grails-data-neo4j 
 - e. rename repo gorm-graphql to grails-data-graphql 
2. Rename others
 - a. geb to grails-geb 
 - b. elasticsearch-grails-plugin to grails-elasticsearch 
 - c. github-actions to grails-github-actions 
 - i. Release on Github
 1. Branch based

- d. grails-spring-security-core to grails-spring-security ✓
- e. grails-boot to grails-spring-boot-gsp ✓

First move:

1. <https://github.com/grails/grails-core>
 - The Grails Web Application Framework
2. <https://github.com/grails/grails-gradle-plugin>
 - Gradle build plugin used by many projects and end Grails applications
3. <https://github.com/grails/grails-static-website> - Grails.org website
 - <https://grails.org/>
 - <https://github.com/grails/grails-static-website/settings/pages> will the DNS record need to change when this repo is moved to continue to function?
4. <https://github.com/grails/grails-plugins-metadata> - grails-plugins.json
 - used by <https://grails.org/plugins.html>
5. <https://github.com/grails/grails-doc>
 - Documentation Project For The Grails Web Application Framework
 - <https://docs.grails.org/>
 - <https://github.com/grails/grails-doc/settings/pages>
6. <https://github.com/grails/grails-forge>
 - This is Grails Forge project creator. Grails projects may be created using the browser interface, Command Line, or via CURL.
 - 5 versions published to GCP CloudRun See: [Other services](#)
7. <https://github.com/grails/grails-forge-ui>
 - React.js app
 - <https://start.grails.org/>
 - <https://github.com/grails/grails-forge-ui/settings/pages>
8. <https://github.com/grails/grails-wrapper>
 - Grails Wrapper
 - ./grailsw
 - Runs grails-shell CLI in current project
 - Included in grails-forge generated projects
 - Included in grails-shell generated projects
9. <https://github.com/grails/grails-profiles>
 - 10 active profiles
 - Used by grails-shell CLI
 - Provides contents and config for create-app
10. <https://github.com/grails/grails-views>
 - Additional View Technologies for Grails
 - Includes GSP, Spring Boot GSP, Fields and Scaffolding
11. <https://github.com/grails/grails-data-mapping>
 - GORM - Groovy Object Mapping
12. <https://github.com/grails/grails-data-hibernate6>

- ORM for Hibernate 6
- **Started, but not complete**
- 13. <https://github.com/grails/grails-spring-security>
 - Grails Spring Security Core Plugin
 - Includes 6 plugins that were merged
- 14. <https://github.com/grails/grails-geb>
 - Geb Functional Testing for Grails® framework
- 15. <https://github.com/grails/grails-redis>
 - Redis plugin for Grails
- 16. <https://github.com/grails/grails-cache>
 - Grails Cache Plugin
- 17. <https://github.com/grails/grails-quartz>
 - This project provides integration of the Quartz scheduling framework into the Grails Framework
- 18. <https://github.com/grails/grails-github-actions>
 - Custom github actions for workflows

Second Move:

wait to move.

These are projects that have not yet been updated for Grails 7, but had recent releases (~1 year) with >= Grails 5, in June 2024 when this list was originally created.

1. <https://github.com/grails/grails-elasticsearch>
 - The Elasticsearch Grails plugin
 - Last Released Jun 21, 2023
 - For Grails 4.1.0

maven: groupid and artifactid updates and source code repackaging

<https://github.com/jdaugherty/grails-core/blob/renameProposal/RENAME.md> based on -
<https://github.com/grails/grails-core/issues/14006>

Grails.org DNS

- Domain and zonefile file will move to ASF Infrastructure Team
 - grails.org

- DNS records are at Cloudflare except for the DNS records for latest, next, prev, prev-snapshot and snapshots and those DNS records are within GCP cnames
- Cloudflare uses SSL certificates issued by Google Trust Services (WE1) as part of its edge SSL certificate
- <https://issues.apache.org/jira/browse/INFRA-26707>
- <https://oci-osf.atlassian.net/servicedesk/customer/portal/3/OO-36>
- grails.io
 - Currently unused
 - DNS records are at Squarespace, Squarespace utilizes Key-Systems GmbH as one of its domain registrars
 - 301 Redirect back to grails.org

repo.grails.org JFrog Artifactory Instance

- Provided for free by JFrog to Grails Foundation
- Jeff has granted James Fredley admin access
 - James will add other core contributors as needed

Grails Foundation references

- <https://github.com/grails/grails-static-website/issues/340>

Other services

- @grails.org email accounts
 - Hosted on the Main OCI Google Workspace
 - Google Groups: dmarc, foundation, support, webmaster, billing, build-account, contracts, info, marketing, security, techadvisory, groovysupport
 - graeme@grails.org
 - We need to move somewhere else
- GCP CloudRun container hosting for:
 - Current cost is ~ \$50/month
 - OCI is willing to host until project is fully migrated to apache
 - OCI would like it to be migrated somewhere during that timeframe
 - OCI is also open to the idea of contributing funding to cover the cost, but would like it migrated so that it is not managed by OCI IT
 - This could be via <https://opencollective.com/friends-of-grails>, once a new hosting organization has been identified

- We will see if Apache infrastructure can host these containers first
 - Grails-forge-api (wrapped in netty) containers
 - <https://snapshot.grails.org/versions>
 - <https://prev.grails.org/versions>
 - <https://prev-snapshot.grails.org/versions>
 - <https://next.grails.org/versions>
 - <https://latest.grails.org/versions>
 - Grails-forge-analytics-postgres containers
 - For each of the above
- AWS
 - `slack.grails.org. 1 IN CNAME`
`grailsslackinviter-env.eba-mhm5cye2.us-east-1.elasticbeanstalk.com.;`
`cf_tags=cf-proxied:true`
 - Is this in OCI's AWS account?