



Jenkins

## GitHub Organizations

Welcom

## Generate Jenkins Jobs from YAML



# JW 2018 Project Onboarding Instructions

Welcome to Jenkins as a service. These first steps are necessary to onboard your project.

## Developer's first steps

Creating a project in Jenkins is simple. Follow these three steps:

1. Add a `.jervis.yml` file to your GitHub repository following the [User Guide](#).
  2. Execute the `Generate Jenkins Jobs from YAML` onboarding job by clicking  icon.
  3. If creating your job succeeds, then visit the [GitHub Organizations View](#) in the tabs above.

## Documentation

Visit the [Jervis wiki](#) for comprehensive documentation on how to configure and manage Jenkins as a service.

admin | log out



Jenkins ➤ Generate Jenkins Jobs from YAML

 Back to Dashboard

 Status

Changes

 Workspace

 Build with Parameters

 Delete Project

 Configure

 Favorite

 GitHub

5

1 / 10

808 DOE AT TUTORING

Rename

## Embeddable Build Status

# Project Generate Jenkins Jobs from YAML

This build requires parameters:

project samrocketman/demo-jenkins-world-2018-groovy-jar

Generate Jenkins jobs for the project. Format is org/project.

Build



Jenkins ➔ Generate Jenkins Jobs from YAM

admin | log out

## ENABLE AUTO REFRESH

 search

 Back to Dashboard

Status

## Changes

 Workspace

## Build with Parameter

 Delete Project

## Configure

 Favorite

 GitHub

Open B

 Job DSL API Ref

 Rename

 Embedded

# Project Generate Jenkins Jobs from YAML

Project name: \_jervis\_generator

 add description

## Disable Project



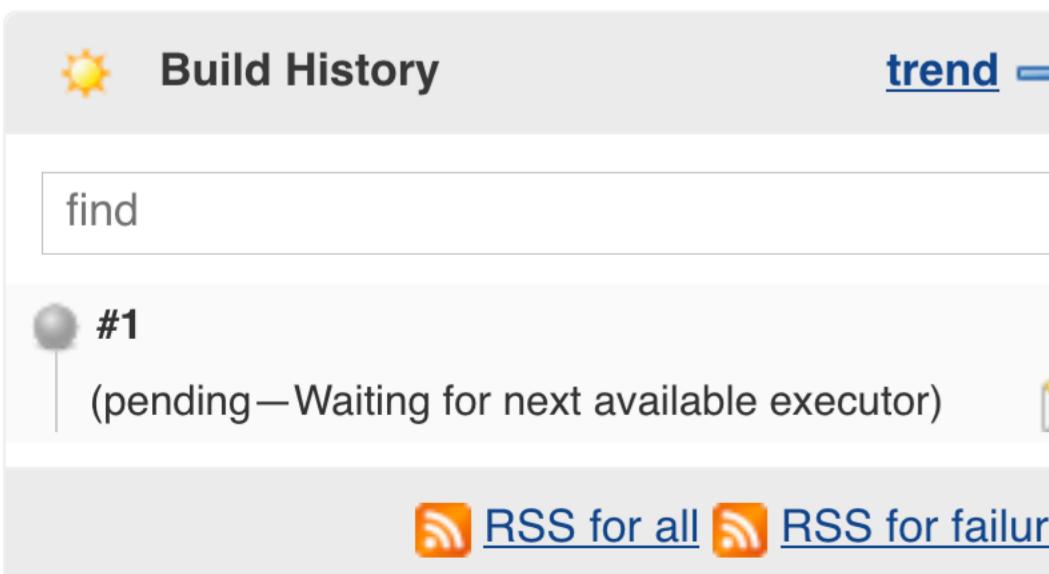
## Workspace



## Recent Changes

# Permalinks

- Last build (#1), 67 ms ago



Jenkins ▶ Generate Jenkins Jobs from YAML ▶ #

```
Checking out Revision 6d8fa98d06c888ffc3d80d92051d0fd9bb92aa50 (refs/remotes/origin/master)
> git config core.sparsecheckout # timeout=10
> git checkout -f 6d8fa98d06c888ffc3d80d92051d0fd9bb92aa50
Commit message: "update release cycle"
First time build. Skipping changelog.
> git remote # timeout=10
> git submodule init # timeout=10
> git submodule sync # timeout=10
> git config --get remote.origin.url # timeout=10
> git submodule init # timeout=10
> git config -f .gitmodules --get-regexp ^submodule\.(.+)\.url # timeout=10
> git config --get submodule.jenkins-bootstrap-shared.url # timeout=10
> git config -f .gitmodules --get submodule.jenkins-bootstrap-shared.path # timeout=10
> git submodule update --init --recursive jenkins-bootstrap-shared
> git config --get submodule.jervis.url # timeout=10
> git config -f .gitmodules --get submodule.jervis.path # timeout=10
> git submodule update --init --recursive jervis
[_jervis_generator] $ /bin/sh -xe /tmp/jenkins2666195239867867911.sh
+ ./gradlew -b gradle/jervis.gradle clean libs
:cleanLibs UP-TO-DATE
:clean UP-TO-DATE
:libs

BUILD SUCCESSFUL in 3s
3 actionable tasks: 1 executed, 2 up-to-date
Processing DSL script firstjob_dsl.groovy
Found github-token credentials ID.
Generating jobs for GitHub project samrocketman/demo-jenkins-world-2018-groovy-jar.
Creating folder samrocketman
Creating project samrocketman/demo-jenkins-world-2018-groovy-jar
Added items:
    GeneratedJob{name='samrocketman'}
    GeneratedJob{name='samrocketman/demo-jenkins-world-2018-groovy-jar'}
Finished: SUCCESS
```

New Item add description

People

Build History

Edit View

Delete View

Manage Jenkins

My Views

Open Blue Ocean

Lockable Resources

Credentials

New View

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

3 Idle

4 Idle

5 Idle

6 Idle

7 Idle

**GitHub Organizations** Welcome +

S Name ↓ Description

samrocketman

Icon: S M L

Legend RSS for all RSS for failures RSS for just latest builds





Branch: master

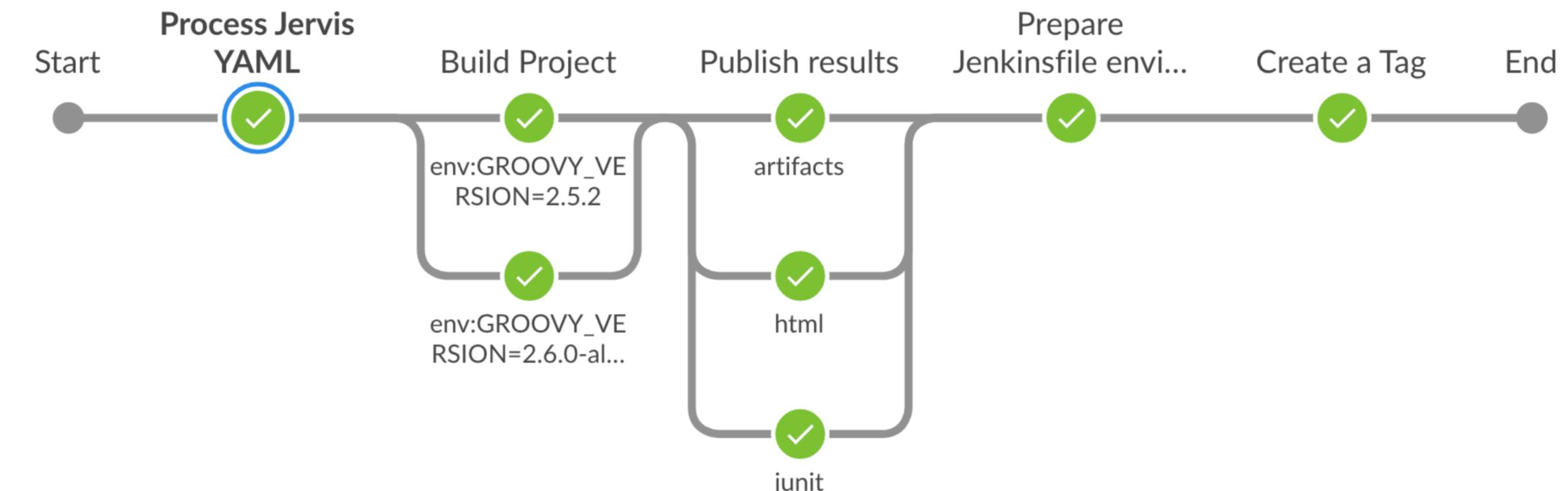
⌚ 1m 17s

No changes

Commit: e54d42a

⌚ a few seconds ago

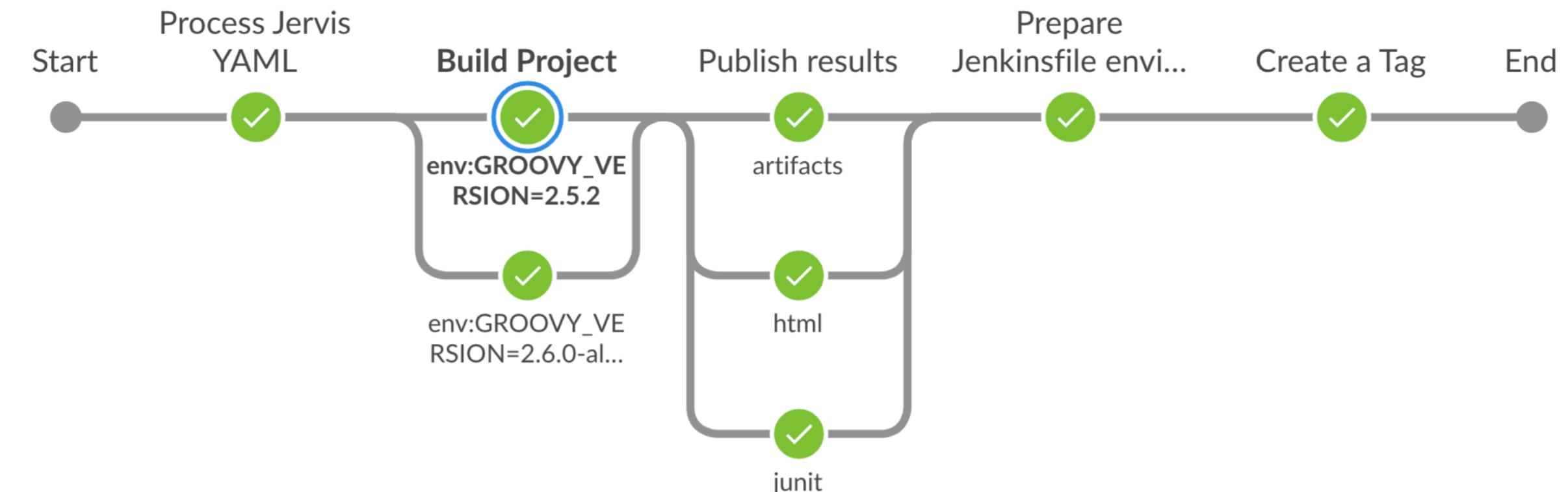
Branch indexing



### Process Jervis YAML - 1s



✓	> Load resource platforms.json from adminLibraryResource. — Print Message	<1s
✓	> jenkins/world/2018/platforms.json — Load a resource file from a shared library	<1s
✓	> Load resource lifecycles-alpinejdk8-stable.json from adminLibraryResource. — Print Message	<1s
✓	> jenkins/world/2018/lifecycles-alpinejdk8-stable.json — Load a resource file from a shared library	<1s
✓	> Load resource toolchains-alpinejdk8-stable.json from adminLibraryResource. — Print Message	<1s
✓	> jenkins/world/2018/toolchains-alpinejdk8-stable.json — Load a resource file from a shared library	<1s
✓	> Load resource header.sh from adminLibraryResource. — Print Message	<1s
✓	> jenkins/world/2018/header.sh — Load a resource file from a shared library	<1s



Build Project / env:GROOVY\_VERSION=2.5.2 - 4

✓	> true – Shell Script	<1s
✓	> General SCM	2s
✓	> Shell Script	<1s
✓	> Print Message	<1s
✓	> Shell Script	29s
✓	> Stashing artifacts; includes: 'build/libs/*.jar' – Print Message	<1s
✓	> artifacts – Stash some files to be used later in the build	<1s
✓	> Stashing html; includes: 'build/docs/groovydoc/**/*' – Print Message	<1s
✓	> html – Stash some files to be used later in the build	1s
✓	> Stashing junit; includes: 'build/test-results/**/*xml' – Print Message	<1s
✓	> junit – Stash some files to be used later in the build	<1s

✓ samrocketman / demo-jenkins-world-2018-groovy-jar 1

Branch: master

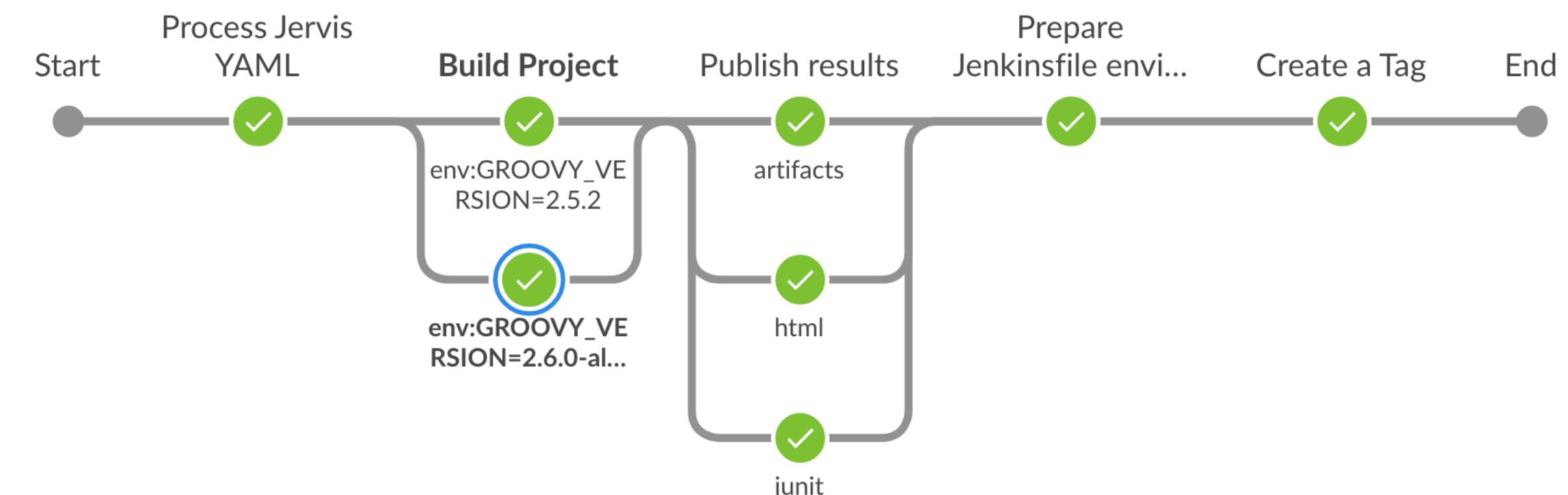
1m 17

## No changes

**Commit:** e54d42a

 a few seconds ago

## Branch indexing



**Build Project / env:GROOVY\_VERSION=2.6.0-alpha-4 - 4**

✓	> true – Shell Script	<1s
✓	> General SCM	2s
✓	> Shell Script	<1s
✓	> Print Message	<1s
✓	> Shell Script	29s

Branch: master

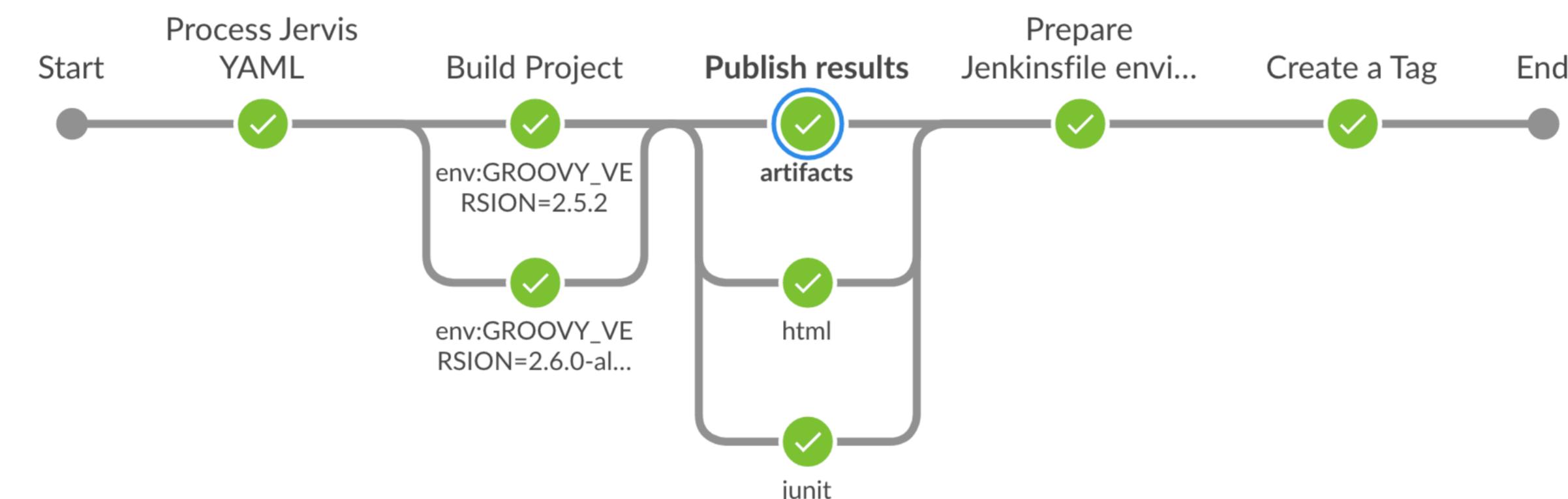
1m 17

## No changes

Commit: e54d42a

 a few seconds ago

## Branch indexing



## Publish results / artifacts - <1s

- ✓ > artifacts — Restore files previously stashed
  - ✓ > Archive the artifacts

Branch: master

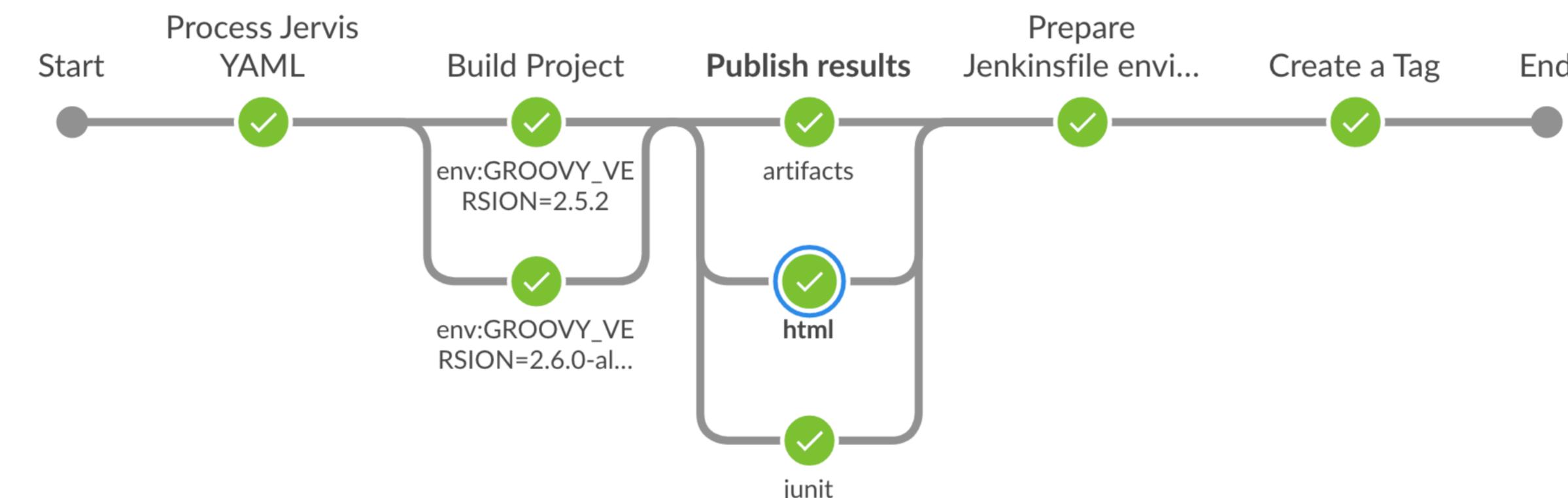
⌚ 1m 17

## No changes

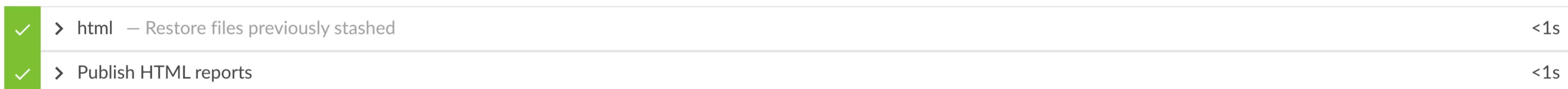
Commit: e54d42a

 a minute ago

## Branch indexing



## Publish results / html - <1s



Branch: master

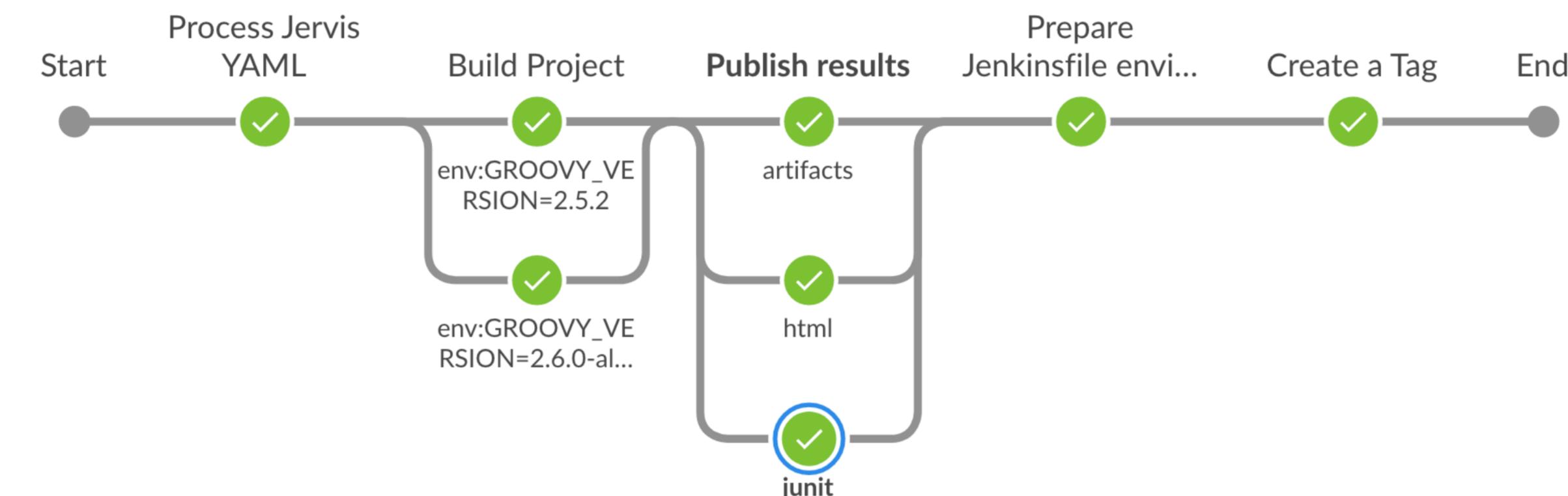
1m 17

## No changes

Commit: e54d42a

🕒 a minute ago

## Branch indexing



## Publish results / junit - <1s



- › `junit` – Restore files previously stashed
  - › Archive JUnit-formatted test results

<1s

<1s

✓ samrocketman / demo-jenkins-world-2018-groovy-jar

Branch: master

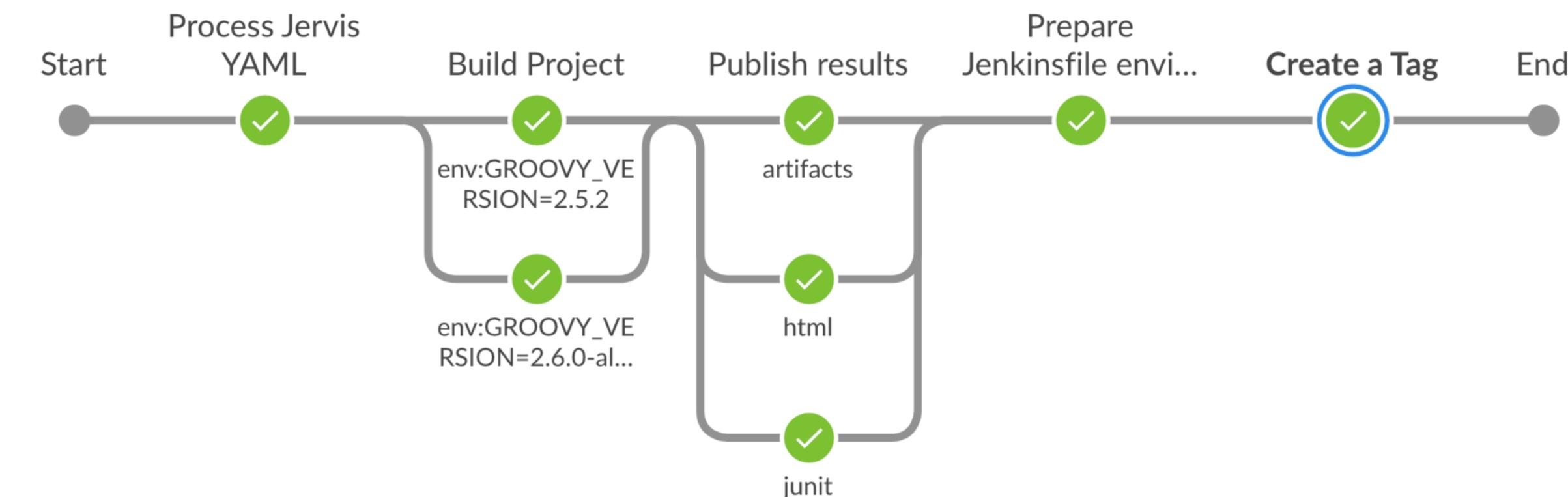
1m 17

## No changes

Commit: e54d42a

 a minute ago

## Branch indexing



Create a Tag - 6s

✓	> sudo apk add gawk – Shell Script	2s
✓	> ./ci/create-tag.sh – Shell Script	5s

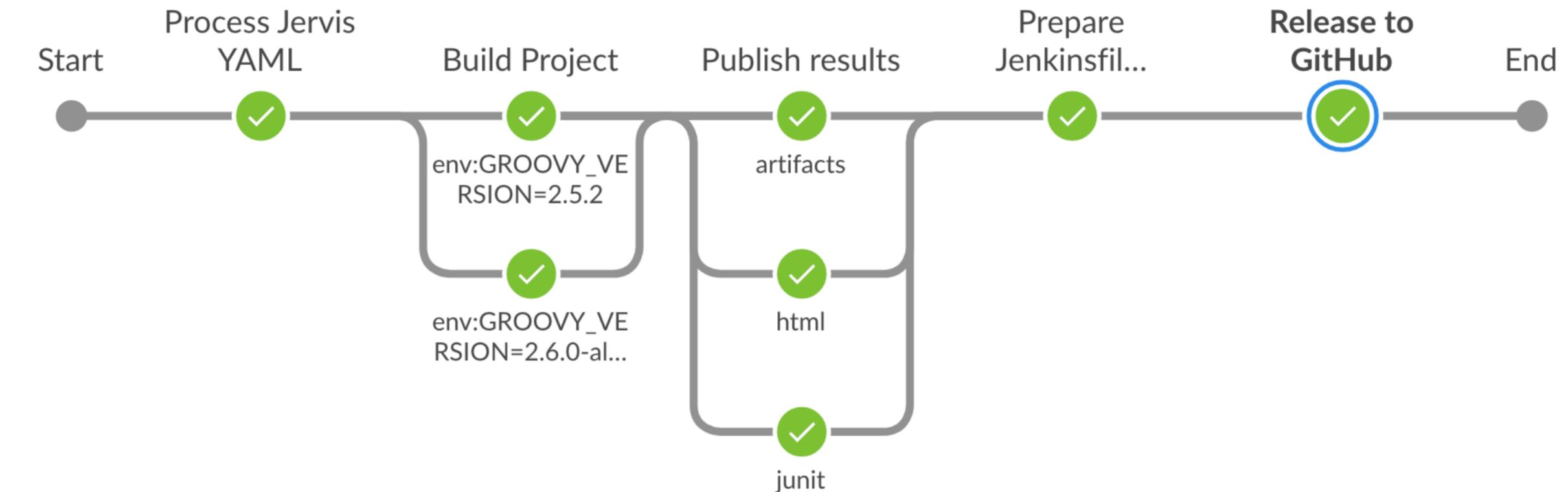


localhost:8080/blue/organizations/jenkins/samrocketman%2Fdemo-jenkins-world-2018-groovy-jar/detail/130% ... ⚡ Search

Most Visited Getting Started Welcome [Jenkins] demo bootstrap demo groovy project

✓ samrocketman / demo-jenkins-world-2018-groovy-jar 1 Pipeline Changes Tests Artifacts ⌂ ⚙ Logout X

Branch: 0.1.5 59s No changes  
Commit: d93d4f7 a few seconds ago Branch indexing



### Release to GitHub - 5s

✓	> artifacts – Restore files previously stashed	<1s
✓	> html – Restore files previously stashed	<1s
✓	> .ci/create-dist.sh – Shell Script	<1s
✓	> .ci/upload-release.sh – Shell Script	5s

GitHub, Inc. (US) https://github.com/samrocketman/demo-jenkins-world-2018-groovy-jar/releases ... ⌂ ⌂ ⌂ Search

Most Visited Getting Started Welcome [Jenkins] demo bootstrap demo groovy project

Search or jump to... / Pull requests Issues Marketplace Explore

Y samrocketman / **demo-jenkins-world-2018-groovy-jar**  
forked from kata-seeds/groovy-gradle-seed

Unwatch 1

Star 0

Fork 1

Code

Pull requests 0

Projects 0

Wiki

Insights

Settings

Releases

Tags

Draft a new release

Latest release

0.1.5  
d93d4f7

## Release groovy-gradle-seed 0.1.5

Edit

samrocketman released this 43 seconds ago · 0 commits to master since this release

### Assets 6

<a href="#">groovy-gradle-seed-0.1.5.jar</a>	2.12 KB
<a href="#">groovy-gradle-seed-0.1.5.jar.sha256sum</a>	95 Bytes
<a href="#">html-api-docs.tar.gz</a>	17.5 KB
<a href="#">html-api-docs.tar.gz.sha256sum</a>	87 Bytes
<a href="#">Source code (zip)</a>	
<a href="#">Source code (tar.gz)</a>	

## Release notes

This change was automatically released by Jenkins. See my [Jenkins World 2018 demo](#).

See [git changelog](#) since the last release 0.1.4.

Published by [samrocketman/demo-jenkins-world-2018-groovy-jar/0.1.5](#) build #1.

0.1.4

...

4 days ago

235155d zip tar.gz

 [samrocketman](#) / [demo-jenkins-world-2018-jenkins-bootstrap](#)

 Unwatch ▾

1

 Fork 0

<> Code

! Issues

 Pull requests

 Projects 0

Wiki

 Insights

Settings

Branch: master

[demo-jenkins-world-2018-jenkins-bootstrap](#) / custom-plugins.txt

[Find file](#) [Copy path](#)



**samrocketman** Add plugins

9379502 5 days ago

1 contributo

23 lines (22 sloc) | 977 Byte

**Raw**   **Blame**   **History**    

```
1 # The following snapshot is compiled from:  
2 # https://github.com/jenkinsci/pipeline-multibranch-defaults-plugin/pull/3  
3 # This plugin must be built and installed in the local maven cache before  
4 # building Jenkins.  
5 # Build Environment:  
6 #     Ubuntu 16.04.5 LTS  
7 #     Linux 4.4.0-135-generic x86_64  
8 #     GNU bash, version 4.3.48(1)-release (x86_64-pc-linux-gnu)  
9 #     Gradle 4.1  
10 #    Build time: 2017-08-07 14:38:48 UTC  
11 #    Revision: 941559e020f6c357ebb08d5c67acdb858a3defc2  
12 #    Groovy: 2.4.11  
13 #    Ant: Apache Ant(TM) version 1.9.6 compiled on June 29 2015  
14 #    JVM: 1.8.0_131 (Oracle Corporation 25.131-b11)  
15 #    OS: Linux 4.4.0-135-generic amd64  
16 # Build instructions:  
17 #     git clone https://github.com/jenkinsci/pipeline-multibranch-defaults-plugin/  
18 #     cd pipeline-multibranch-defaults-plugin/  
19 #     git fetch origin refs/pull/3/head  
20 #     git checkout FETCH_HEAD  
21 #     mvn clean package install  
22 org.jenkins-ci.plugins:pipeline-multibranch-defaults:1.2-SNAPSHOT@hpi
```



GitHub, Inc. (US) | https://github.com/samrocketman/demo-jenkins-world-2018-jenkins-bootstrap/blob/master

Most Visited Getting Started Welcome [Jenkins] demo bootstrap demo groovy project

**samrocketman** Bugfix add jenkins user to docker group idempotency 1e627bf 3 days ago

1 contributor

37 lines (36 sloc) | 1.92 KB

Raw Blame History

```
version: '2.2'
volumes:
  jenkins-data:
  docker-in-docker-data:
services:
  jenkins:
    init: true
    image: samrocketman/demo-jenkins-world-2018:jenkins-server
    ports:
      - 8080:8080
    user: root
    command:
      - /bin/bash
      - -exc
      - |
        rm -f /var/run/docker.pid /var/run/docker/containerd/docker-containerd.pid
        nohup dockerd -D &
        until docker info &> /dev/null; do
          sleep 1
        done
      # preseed jenkins agent
      docker pull samrocketman/demo-jenkins-world-2018:jenkins-agent
      # preseed build dependencies for generating jobs to speed up demo
      su --s /bin/bash jenkins -c '/bin/bash -exc "export JAVA_HOME=/opt/jdk; repo=https://github.com/samrocketman/demo-jenkins-world-2018-jenkins-bootstrap; curl -s https://$repo/jenkins-agent.jar > /tmp/jenkins-agent.jar; java -jar /tmp/jenkins-agent.jar -bindAddress=0.0.0.0 -port=8080" &'
      # create a reference repository
      [ -d ~jenkins/demo-reference-repo.git ] || su --s /bin/bash jenkins -c '/bin/bash -exc "repo=demo-reference-repo.git; curl -s https://$repo/description > /tmp/description; git clone https://$repo/description .git" &'
      su --s /bin/bash jenkins -c '/bin/bash -exc "cd demo-reference-repo.git; git fetch https://github.com/samrocketman/demo-jenkins-world-2018-jenkins-bootstrap" &'
      su --s /bin/bash jenkins -c '/bin/bash -exc "cd demo-reference-repo.git; git fetch https://github.com/samrocketman/demo-jenkins-world-2018-jenkins-bootstrap" &'
      su --s /bin/bash jenkins -c '/bin/bash -exc "cd demo-reference-repo.git; git fetch https://github.com/samrocketman/demo-jenkins-world-2018-jenkins-bootstrap" &'
      # grant Jenkins access to use docker in docker
      grep 'docker.*\bjenkins\b' /etc/group || sed -i 's/^(\docker:.*\)\1jenkins/' /etc/group
      su --s /bin/bash jenkins -c '/bin/bash -c "JAVA_HOME=/opt/jdk /run.sh"'
privileged: true
volumes:
  - 'jenkins-data:/var/lib/jenkins'
  - 'docker-in-docker-data:/var/lib/docker'
```

```
24     DEMO_GITHUB_USER
25     DEMO_UUID
26 EOF
27 exit 1
28 fi
29
30 checkbin docker || die "Docker is not installed."
31 checkbin docker-compose || die "Missing docker-compose command from PATH."
32 checkbin envsubst || die "Missing gettext package which provides envsubst command."
33 test -d .git || die "${0##*/} must be run from the root of this repository."
34
35 #
36 # CONFIGURE JENKINS
37 #
38
39 export DOCKER_JENKINS=1
40 source jenkins-bootstrap-shared/jenkins_bootstrap.sh
41
42 # create jobs and views
43 create_job --job-name '_jervis_generator' --xml-data './configs/job_jervis_config.xml'
44 create_view --view-name 'Welcome' --xml-data './configs/view_welcome_config.xml'
45 create_view --view-name 'GitHub Organizations' --xml-data './configs/view_github_organizations_config.xml'
46 jenkins_console --script "${SCRIPT_LIBRARY_PATH}/configure-primary-view.groovy"
47 jenkins_console -s "${SCRIPT_LIBRARY_PATH}/admin-script-approval.groovy"
48
49 # configure misc Jenkins settings
50 jenkins_console -s "${SCRIPT_LIBRARY_PATH}/configure-markup-formatter.groovy"
51 jenkins_console -s "${SCRIPT_LIBRARY_PATH}/configure-job-dsl-security.groovy"
52 jenkins_console -s "${SCRIPT_LIBRARY_PATH}/configure-jnlp-agent-protocols.groovy"
53 jenkins_console -s "${SCRIPT_LIBRARY_PATH}/configure-grape-ivy-xml.groovy"
54 jenkins_console -s ./configs/jenkins-master.groovy -s "${SCRIPT_LIBRARY_PATH}/configure-jenkins-settings.groovy
55
56 # configure default Jenkinsfile which runs for all projects
57 jenkins_console -s ./configs/shared-pipelines.groovy -s "${SCRIPT_LIBRARY_PATH}/configure-pipeline-global-shared-libraries.groovy"
58 jenkins_console -s ./configs/global-jenkinsfile.groovy -s "${SCRIPT_LIBRARY_PATH}/configure-global-jenkinsfile.groovy"
59
60 # configure credentials
61 envsubst > ./configs/credentials.groovy < ./configs/credentials.groovy.EXAMPLE
62 jenkins_console -s ./configs/credentials.groovy -s "${SCRIPT_LIBRARY_PATH}/credentials-multitype.groovy
```