



Connect

Mehr Sicherheit in Ihrer Softwarelieferkette: Red Hat Trusted Software Supply Chain

Marco Klaassen

Senior Solution Architect @ Red Hat



Red Hat



Marco Klaassen

Senior Solution Architect
Red Hat

Software supply chains are the ecosystems in which software is **developed, delivered, and deployed**.

They include **everyone and everything** that acts upon or impacts software during its life cycle.

All **people, components, libraries, tools, processes, and systems** that **create, build, deploy, and run software** are part of the software supply chain.

Dependencies

Application libraries

Language runtimes

Universal base images

Provenance and
attestation of
curated content

Create

Software
composition
analysis

Digitally signed
and verified

 **Red Hat**
Trusted Profile
Analyzer

Build

Artifact building

SBOM generation

Image building

SLSA verify

 **Red Hat**
Trusted Application
Pipeline

Deploy

GitOps

Progressive delivery

Canary rollout

Image scanning

 **Red Hat**
Trusted Application
Pipeline

Run

Open source
software risk
profiles compliance

Images, containers,
clusters, and network

 **Red Hat**
Advanced Cluster
Security
for Kubernetes

Manage

SBOM inventory management | Application risk assessment

 **Red Hat**
Trusted Profile
Analyzer

Standardize, share, and store with centralized access controls

 **Red Hat**
Quay



 **Red Hat**
Trusted Software
Supply Chain

 **Red Hat**

Morgen – Hands On Coding Challenge: Trusted Software Supply Chain (TSSSC)

Quick Access

COMMUNITY



DEVELOPER TOOLS

Podman
Desktop

CI/CD TOOLS



ArgoCD



SonarQube



Quay.io

OPENSIFT CLUSTERS



Your Starred Entities

Click the star beside an entity name to add it to this list!

Tags



rhdh

Choose

rhdh

Choose

rhdh

Choose

Service
Web app microservice with NodeJS
(Coolstore) ☆

Create a NodeJS microservice for web app
built on a trusted software supply chain

coolstore demo nodejs web

rhdh

Choose

Service
Quarkus Backend Application for
Points-of-Interest Map ☆

Creates the quarkus poi backend app for the
workshop

java quarkus maven workshop

rhdeveloper-workshop-
authors

Choose

Service
Quarkus Gateway Application for
Points-of-Interest Map ☆

creates the quarkus poi gateway app for the
workshop

java quarkus maven workshop

rhdeveloper-workshop-
authors

Choose

Service
Angular SPA for Points-of-Interest
Map ☆

creates the angular spa for the workshop

typescript angular workshop

rhdeveloper-workshop-
authors

Choose

Service
Securing a Quarkus Service Software
Supply Chain ☆

Create a Quarkus Service built with Red Hat
Trusted Application Pipeline

recommended java quarkus
maven

rhdh

Choose

Service
Wind Turbine Software Supply Chain ☆

Create a Wind Turbine game using Quarkus,
Kafka and Infinispan with Red Hat Trusted...

recommended java quarkus
maven kafka infinispan

rhdh

Choose

Securing a Quarkus Service Software Supply Chain

Create a Quarkus Service built with Red Hat Trusted Application Pipeline

1

Provide Information for Application

2

Provide Image Registry Information

3

Application repository Information

4

Review

Name *

summit-connect-tssc

Unique name of the component

Group Id

click.klaassen

Maven Group Id

Artifact Id

summit-connect-tssc

Maven Artifact Id

Java Package Name *

click.klaassen.tssc

Name for the java package. eg (com.redhat.blah)

Description

A TSSC Quarkus App for Summit Connect 2024

Help others understand what this website is for.

Back

Next

Securing a Quarkus Service Software Supply Chain

Create a Quarkus Service built with Red Hat Trusted Application Pipeline



Provide Information for Application



Provide Image Registry Information



Application repository Information



Review

Image Registry *

Quay

Image Host

quay-cp454.apps.cluster-cp454.cp454.sandbox1803.opentlc.com

Host for storing image

Organization

quayadmin

Name of the Quay Organization

Image Tag

latest

Build Image tag

Back

Next

Securing a Quarkus Service Software Supply Chain

Create a Quarkus Service built with Red Hat Trusted Application Pipeline



Repository Location

Repo Host

gitlab-gitlab.apps.cluster-cp454.cp454.sandbox1803.opentlc.com

Your SCM host

Repo Owner

development

Your SCM host organization/group

Verify Commits

enabled

Verify Git repository commits using Red Hat's Trusted Artifact Signer (TAS) service

Back

Review

Software Templates

Create new software components using standard templates in your organization

Securing a Quarkus Service Software Supply Chain

Create a Quarkus Service built with Red Hat Trusted Application Pipeline

✓

✓

✓

4

Provide Information for Application

Provide Image Registry Information

Application repository Information

Review

Component Id	summit-connect-tssc
Group Id	click.klaassen
Artifact Id	summit-connect-tssc
Java Package Name	click.klaassen.tssc
Description	A TSSC Quarkus App for Summit Connect 2024
Image Host	quay-cp454.apps.cluster-cp454.cp454.sandbox1803.opentlc.com
Image Organization	quayadmin
Image Tag	latest
Image Registry	Quay
Repo	Host:gitlab-gitlab.apps.cluster-cp454.cp454.sandbox1803.opentlc.com Owner:development Verify Commits:enabled

[Back](#)
[Create](#)

Run of quarkus-stssc-template

Task 1d3397f6-47df-4dbf-9aa5-31eefded6c29

Search

Home

My Group

Catalog

APIs

Learning Paths

Create...

Tech Radar

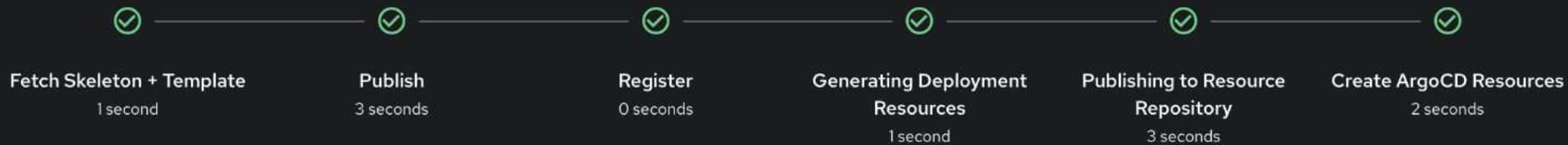
Docs

Clusters

Orchestrator

Notifications

Administration >



[Source Code Repository](#)

[Open Component in catalog](#)

summit-connect-tssc ☆

Overview

Topology

Issues

Pull/Merge Requests

CI

CD

Kubernetes

Image Registry

Api

Dependencies

Docs

Links

[OpenShift Dev Spaces
\(VS Code\)](#)[OpenShift Dev Spaces
\(JetBrains IntelliJ\)](#)

About

[View
Source](#)[View
TechDocs](#)

Description

A TSSC Quarkus App for Summit Connect 2024

Owner

user1

System

No System

Type

service

Lifecycle

production

Tags

java

quarkus

Deployment summary

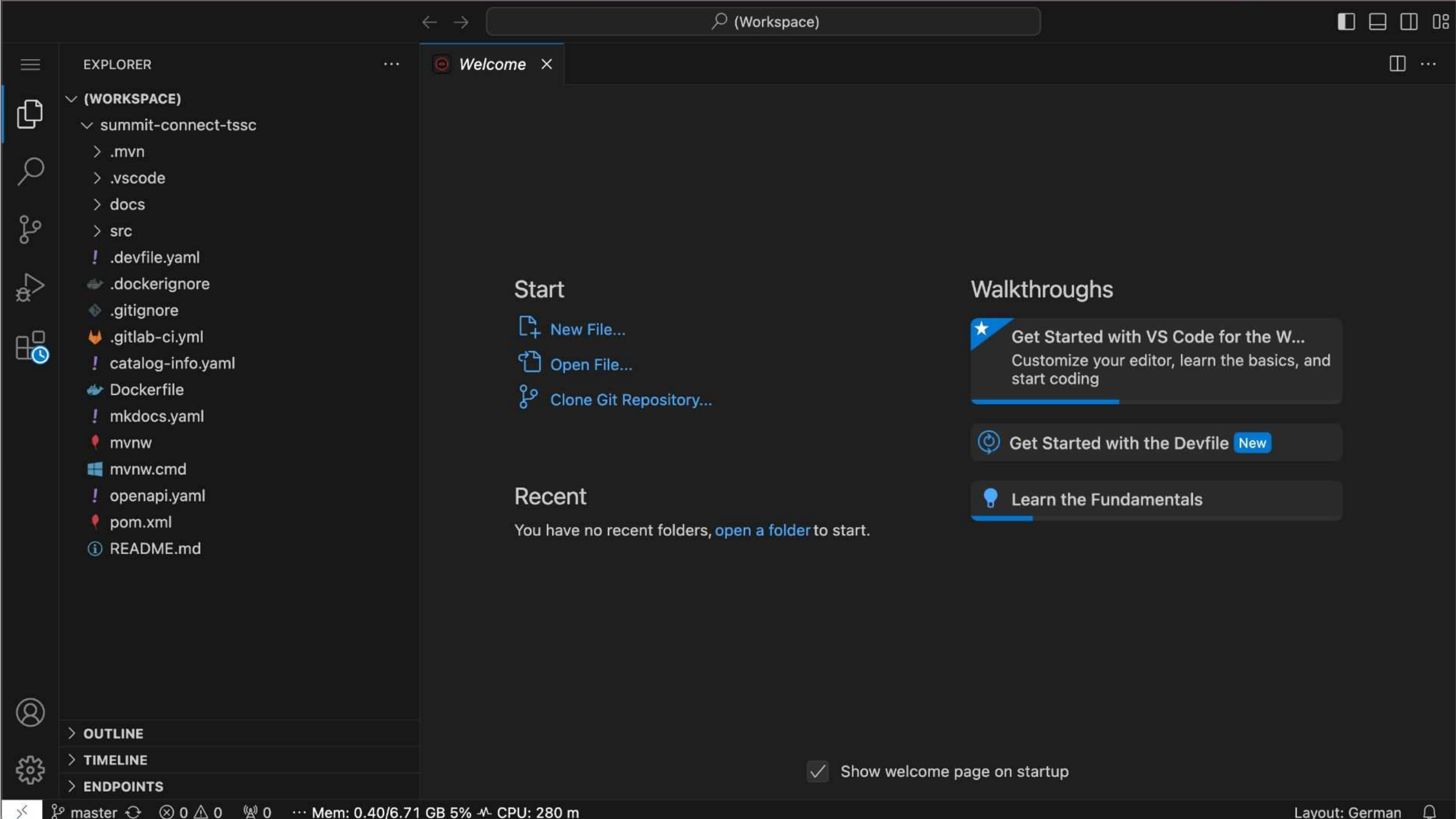
ArgoCD App	Namespace	Instance	Server	Revision	Last depl
summit-connect-tssc-dev	summit-connect-tssc-dev	main	https://kubernetes.default.svc	28167bc	18/11/ 13:16:
summit-connect-tssc-dev-build	summit-connect-tssc-dev	main	https://kubernetes.default.svc	-	
summit-connect-tssc-preprod	summit-connect-tssc-preprod	main	https://kubernetes.default.svc	28167bc	18/11/ 13:16:
summit-connect-tssc-prod	summit-connect-tssc-prod	main	https://kubernetes.default.svc	28167bc	18/11/ 13:16:

5 rows ▾



1-4 of 4





EXPLORER

(WORKSPACE)

summit-connect-tssc

.mvn

.vscode

docs

src

! .devfile.yaml

.dockerignore

.gitignore

.gitlab-ci.yml

! catalog-info.yaml

Dockerfile

! mkdocs.yaml

mvnw

mvnw.cmd

! openapi.yaml

pom.xml

i README.md

> OUTLINE

> TIMELINE

> ENDPOINTS

Welcome

Start

New File...

Open File...

Clone Git Repository...

Recent

You have no recent folders, [open a folder](#) to start.

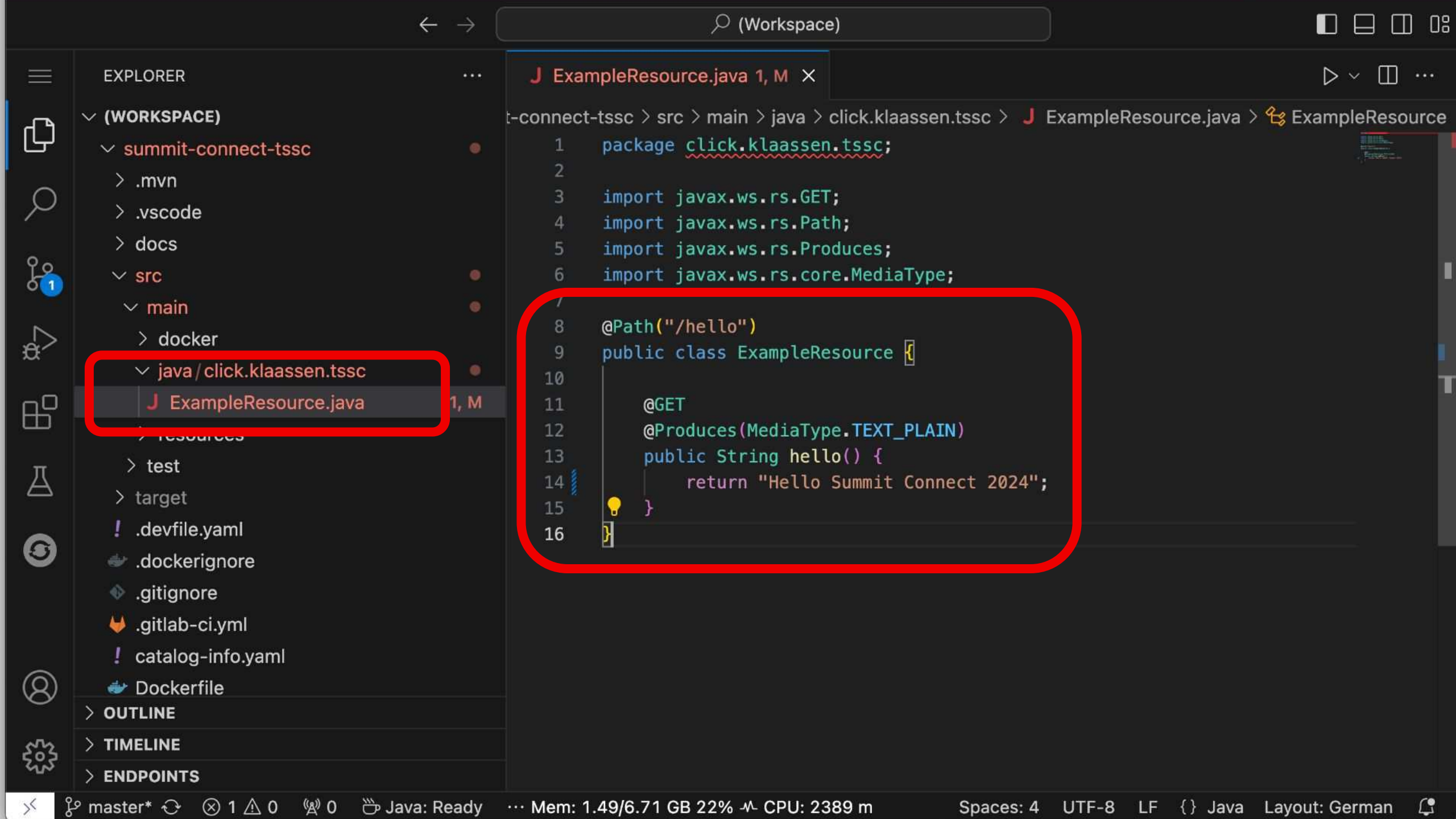
Walkthroughs

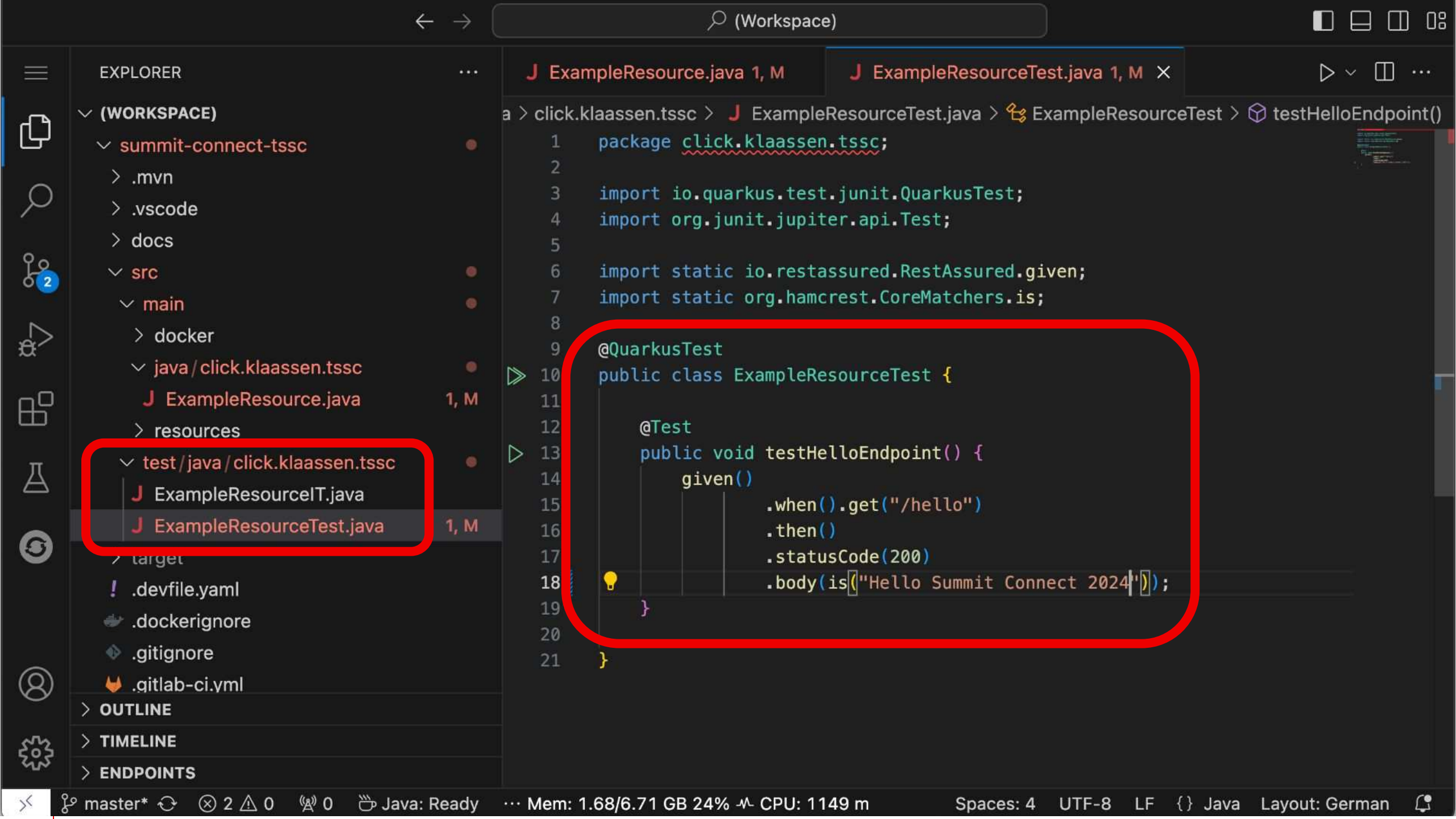
★ Get Started with VS Code for the W...
Customize your editor, learn the basics, and start coding

🔄 Get Started with the Devfile **New**

💡 Learn the Fundamentals

☒ Show welcome page on startup





EXPLORER

▼ (WORKSPACE)

▼ summit-connect-tssc

> .mvn

> .vscode

> docs

▼ src

▼ main

> docker

▼ java/click.klaassen.tssc

ExampleResource.java

1, M

> resources

▼ test/java/click.klaassen.tssc

ExampleResourceIT.java

ExampleResourceTest.java

1, M

> target

! .devfile.yaml

.dockerignore

.gitignore

.gitlab-ci.yml

> OUTLINE

> TIMELINE

> ENDPOINTS

ExampleResource.java 1, M

ExampleResourceTest.java 1, M

click.klaassen.tssc > ExampleResourceTest.java > ExampleResourceTest > testHelloEndpoint()

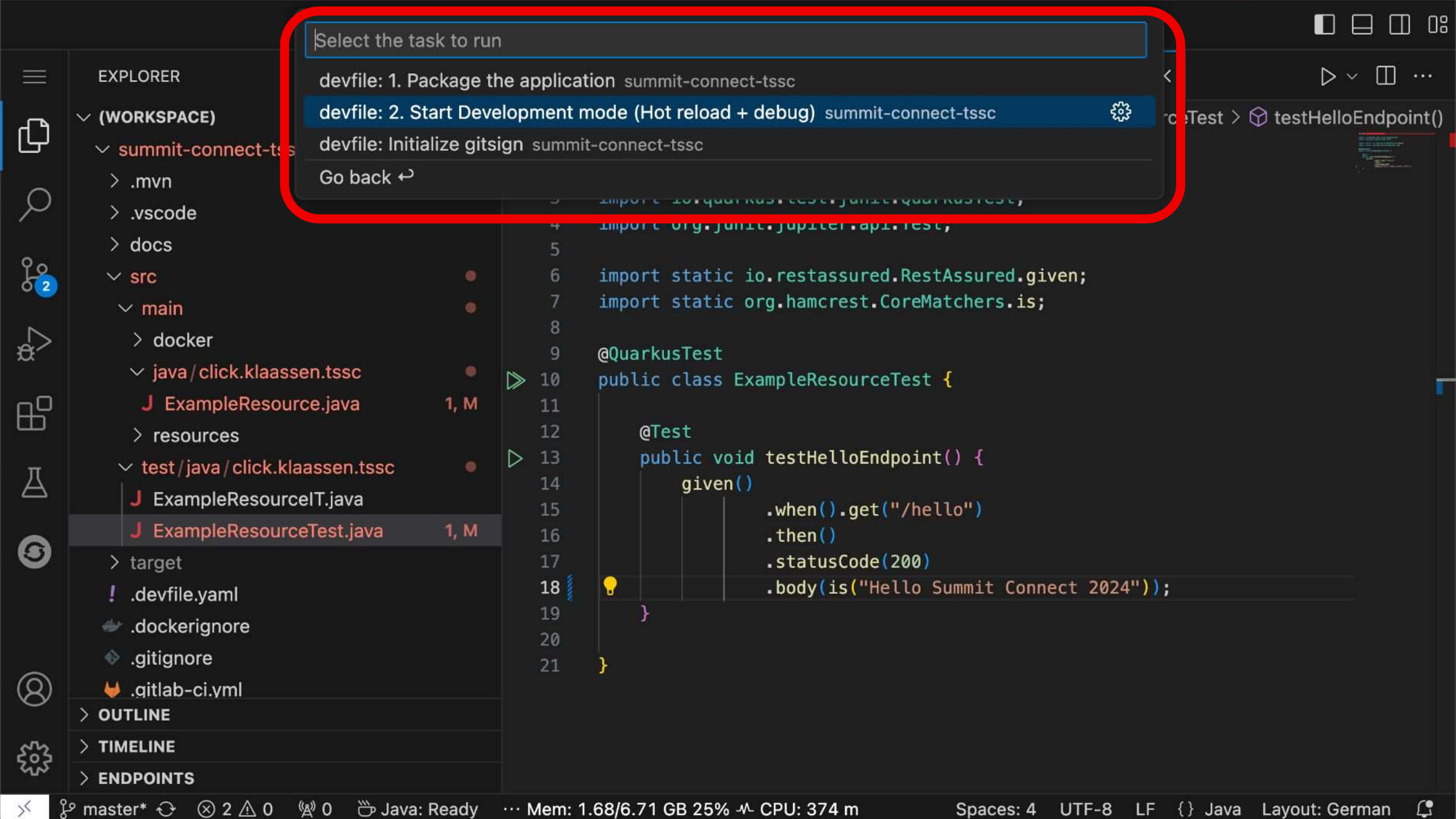
```
1 package click.klaassen.tssc;
2
3 import io.quarkus.test.junit.QuarkusTest;
4 import org.junit.jupiter.api.Test;
5
6 import static io.restassured.RestAssured.given;
7 import static org.hamcrest.CoreMatchers.is;
8
9 @QuarkusTest
10 public class ExampleResourceTest {
11
12     @Test
13     public void testHelloEndpoint() {
14         given()
15             .when().get("/hello")
16             .then()
17             .statusCode(200)
18             .body(is("Hello Summit Connect 2024"));
19     }
20
21 }
```



master* 2 0 0 Java: Ready

Mem: 1.68/6.71 GB 24% CPU: 1149 m

Spaces: 4 UTF-8 LF {} Java Layout: German





1, M

1, M

✚ ◀ ▶ ☒ ⋮ ▼

```
2024-11-18 12:20:25,941 [INFO] ...
. Live Coding activated
2024-11-18 12:20:25,941 [INFO] ...
cdi, resteasy, smallrye...
```

```
Tests paused
Press [r] to resume tests
e options>
```

Process quarkus-dev is now listening on port 8080. Open it ?

Source: Eclipse Che Port

Open In New Tab

Open In Preview



11

> ENDPOINTS

```
Press [r] to resume testing, [o] Toggle test output, [:] for the terminal, [h] for more options>
```



(Workspace)



EXPLORER



PROBLEMS

2

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

OPENSHIFT TERMINAL



✓ (WORKSPACE)

✓ summit-conne...

> .mvn

> .vscode

> docs

✓ src

✓ main

> docker

✓ java / click.k...

J Example... 1, M

> resources

✓ test / java / cli...

J ExampleResourc...

J ExampleR... 1, M

> target

! .devfile.yaml

.dockerignore

.gitignore

.gitlab-ci.yml

> OUTLINE

> TIMELINE

> ENDPOINTS

summit-connect-tssc (master) \$ git status

On branch master

Your branch is up to date with 'origin/master'.

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: openapi.yaml

modified: src/main/java/click.klaassen.tssc/ExampleResource.java

modified: src/test/java/click.klaassen.tssc/ExampleResourceTest.java

Untracked files:

(use "git add <file>..." to include in what will be committed)

openapi.json

no changes added to commit (use "git add" and/or "git commit -a")

summit-connect-tssc (master) \$

devfile: ...

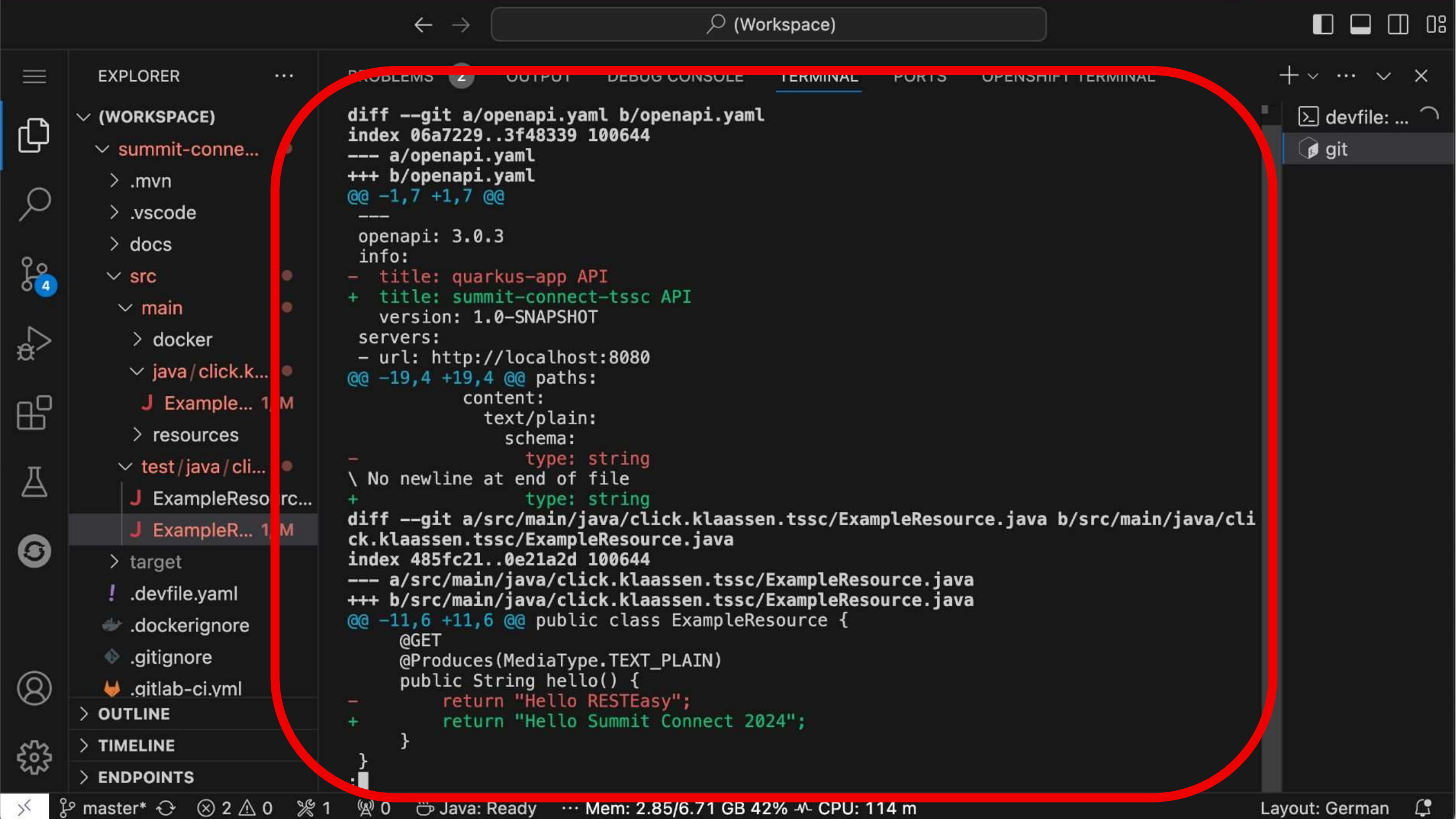
bash



master* 2 0 1 0 Java: Ready Mem: 2.84/6.71 GB 42% CPU: 73 m

Layout: German





```
diff --git a/openapi.yaml b/openapi.yaml
index 06a7229..3f48339 100644
```

```
--- a/openapi.yaml
```

```
+++ b/openapi.yaml
```

```
@@ -1,7 +1,7 @@
```

```
---
```

```
openapi: 3.0.3
```

```
info:
```

```
- title: quarkus-app API
```

```
+ title: summit-connect-tssc API
```

```
version: 1.0-SNAPSHOT
```

```
servers:
```

```
- url: http://localhost:8080
```

```
@@ -19,4 +19,4 @@ paths:
```

```
content:
```

```
text/plain:
```

```
schema:
```

```
- type: string
```

```
\ No newline at end of file
```

```
+ type: string
```

```
diff --git a/src/main/java/click.klaassen.tssc/ExampleResource.java b/src/main/java/click.klaassen.tssc/ExampleResource.java
index 485fc21..0e21a2d 100644
```

```
--- a/src/main/java/click.klaassen.tssc/ExampleResource.java
```

```
+++ b/src/main/java/click.klaassen.tssc/ExampleResource.java
```

```
@@ -11,6 +11,6 @@ public class ExampleResource {
```

```
@GET
```

```
@Produces(MediaType.TEXT_PLAIN)
```

```
public String hello() {
```

```
- return "Hello RESTEasy";
```

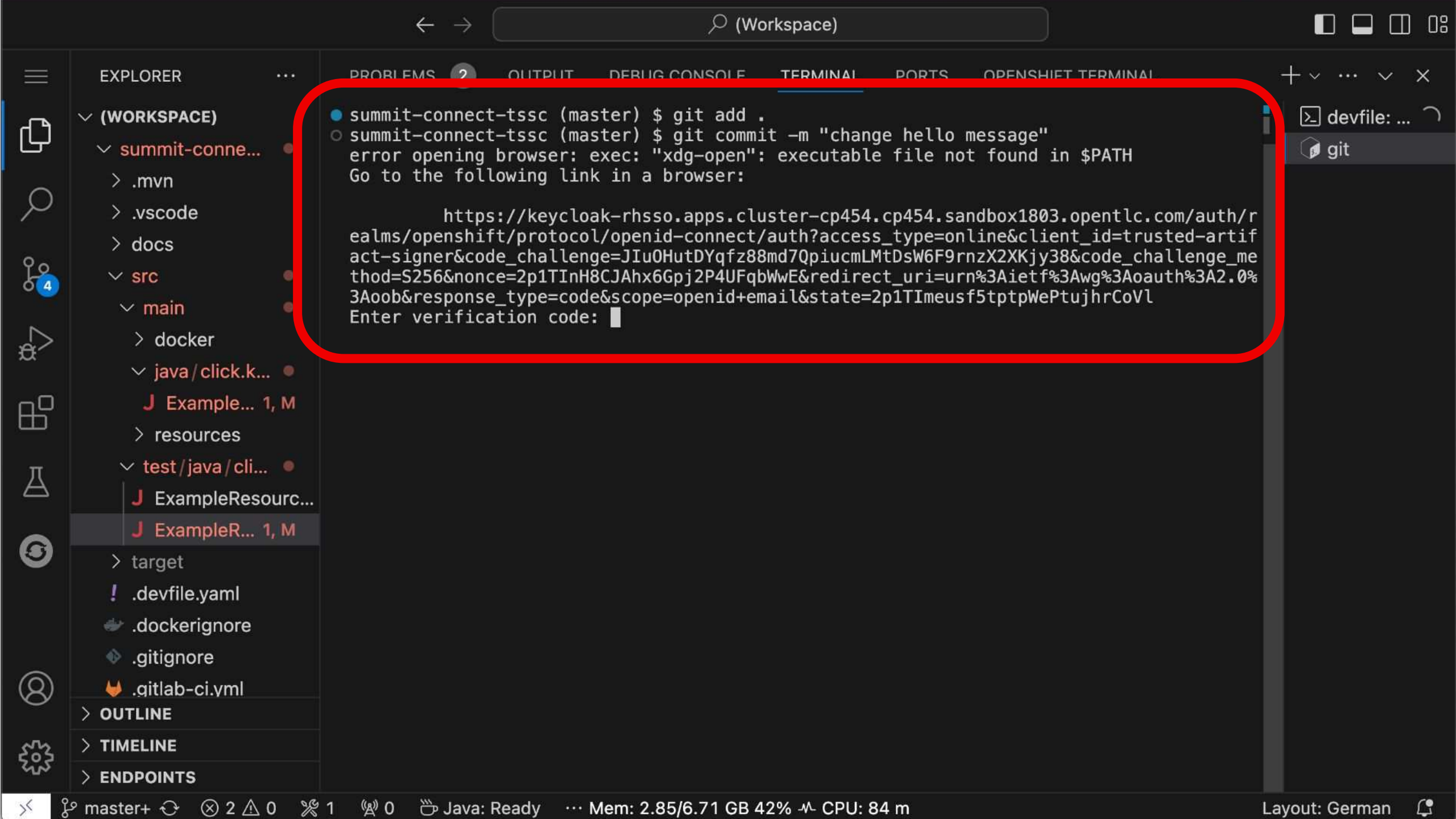
```
+ return "Hello Summit Connect 2024";
```

```
}
```

```
}
```

devfile: ...

git



OPENSIFT AUTHENTICATION REALM

Success code

Please copy this code and paste it into your application:

2aadb371-f399-4381-aba1-6065195bece4.ac5ae2ff-284c-4f59-a82d-169a

OPENSIFT TERMINAL

> ENDPOINTS

```
○ summit-connect-tssc (master) $
```





(Workspace)



EXPLORER



PROBLEMS

2

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

OPENSHIFT TERMINAL



▼ (WORKSPACE)

▼ summit-conne...

> .mvn

> .vscode

> docs

▼ src

▼ main

> docker

▼ java/click.k...

J ExampleRe... 1

> resources

▼ test/java/cli...

J ExampleResourc...

J ExampleRes... 1

> target

! .devfile.yaml

.dockerignore

.gitignore

.gitlab-ci.yml

> OUTLINE

> TIMELINE

> ENDPOINTS



```
summit-connect-tssc (master) $ git commit -m "change hello message"
error opening browser: exec: "xdg-open": executable file not found in $PATH
Go to the following link in a browser:
```

```
https://keycloak-rhssso.apps.cluster-cp454.cp454.sandbox1803.opentlc.com/auth/realms/openshift/protocol/openid-connect/auth?access_type=online&client_id=trusted-artifact-signer&code_challenge=Q03xMXDDne9tQdt2FwVkbq9ca2fnQWF-oCxeLbq8dGk&code_challenge_method=S256&nonce=2p1TPY1VdGvGQnZB0SATutsQb4D&redirect_uri=urn%3Aietf%3Awg%3Aoauth%3A2.0%3Aaob&response_type=code&scope=openid+email&state=2p1TPQnh06GmznKKrUXAH0GgCf0
```

```
Enter verification code:
```

```
tlog entry created with index: 26
```

```
[master 0d67f90] change hello message
```

```
4 files changed, 37 insertions(+), 4 deletions(-)
```

```
create mode 100644 openapi.json
```

```
summit-connect-tssc (master) $ git push
```

```
Enumerating objects: 23, done.
```

```
Counting objects: 100% (23/23), done.
```

```
Delta compression using up to 32 threads
```

```
Compressing objects: 100% (9/9), done.
```

```
Writing objects: 100% (13/13), 2.36 KiB | 2.36 MiB/s, done.
```

```
Total 13 (delta 4), reused 0 (delta 0), pack-reused 0
```

```
To https://gitlab-gitlab.apps.cluster-cp454.cp454.sandbox1803.opentlc.com/development/summit-connect-tssc.git
```

```
0497a40..0d67f90 master -> master
```

```
summit-connect-tssc (master) $
```

devfile: ...

bash



master 2 0 1 0 Java: Ready Mem: 2.82/6.71 GB 42% CPU: 63 m

Layout: German



Cluster

dev-cluster-infra ▼

Status

All ▼

Pipeline Runs

Search



	NAME	VULNERABILITIES	STATUS	TASK STATUS	STARTED	DURATION	ACTIONS
▼	PLR summit-connect-tssc-run-build-5d2pd	-	Running		11/18/2024, 1:24:35 PM	11 seconds	

git-clone 0/1

verify-commit

package

scan-source

build-sign-image



✓ git-clone	31s
✓ verify-commit	21s
✓ package	52s
✓ scan-source	27s
✓ build-sign-image	2m 1s
✓ upload-sbom-to-cyclonedx-repo	11s
✓ upload-sbom-to-tpa	24s
✓ acs-image-scan	11s
✓ acs-image-check	18s
✓ acs-deploy-check	20s
✓ query-rekor-signed-provenance	11s
✓ resync	16s

```
1 STEP-SCAN-CODE
2 + ls -a
3 + echo . . . .devfile.yaml .dockerignore .git .gitignore .gitlab-ci.yml .mvn .vscode Dockerfile README.md catalog-info.yaml docs gitsig
4 . . . .devfile.yaml .dockerignore .git .gitignore .gitlab-ci.yml .mvn .vscode Dockerfile README.md catalog-info.yaml docs gitsign_0.7.1
5 + sonar-scanner -X '-Dsonar.projectKey=summit-connect-tssc' '-Dsonar.sources=/' '-Dsonar.host.url=https://sonarqube-sonarqube.apps.cl
6 12:26:29.462 INFO: Scanner configuration file: /opt/sonar-scanner/conf/sonar-scanner.properties
7 12:26:29.471 INFO: Project root configuration file: NONE
8 12:26:29.490 INFO: SonarScanner 5.0.1.3006
9 12:26:29.491 INFO: Java 17.0.11 Alpine (64-bit)
10 12:26:29.491 INFO: Linux 5.14.0-427.42.1.el9_4.x86_64 amd64
11 12:26:29.586 DEBUG: keyStore is :
12 12:26:29.586 DEBUG: keyStore type is : pkcs12
13 12:26:29.587 DEBUG: keyStore provider is :
14 12:26:29.587 DEBUG: init keystore
15 12:26:29.587 DEBUG: init keymanager of type SunX509
16 12:26:29.660 DEBUG: Create: /opt/sonar-scanner/.sonar/cache
17 12:26:29.660 INFO: User cache: /opt/sonar-scanner/.sonar/cache
18 12:26:29.660 DEBUG: Create: /opt/sonar-scanner/.sonar/cache/_tmp
19 12:26:29.662 DEBUG: Extract sonar-scanner-api-batch in temp...
20 12:26:29.664 DEBUG: Get bootstrap index...
21 12:26:29.664 DEBUG: Download: https://sonarqube-sonarqube.apps.cluster-cp454.cp454.sandbox1803.opentlc.com/batch/index
22 12:26:29.811 DEBUG: Get bootstrap completed
23 12:26:29.813 DEBUG: Download https://sonarqube-sonarqube.apps.cluster-cp454.cp454.sandbox1803.opentlc.com/batch/file?name=sonar-scanner
24 12:26:30.482 DEBUG: Create isolated classloader...
25 12:26:30.490 DEBUG: Start temp cleaning...
26 12:26:30.492 DEBUG: Temp cleaning done
27 12:26:30.492 DEBUG: Execution getVersion
28 12:26:30.505 INFO: Analyzing on SonarQube server 10.6.0.92116
29 12:26:30.505 INFO: Default locale: "en_US", source code encoding: "UTF-8" (analysis is platform dependent)
30 12:26:30.506 DEBUG: Work directory: /workspace/repository/.scannerwork
31 12:26:30.508 DEBUG: Execution execute
32 12:26:30.683 DEBUG: JVM max available memory: 29 GB
```


summit-connect-tssc ☆

Owner
user1

Lifecycle
production



Search

Home

My Group

Catalog

APIs

Learning Paths

Create...

Tech Radar

Docs

Clusters

Orchestrator

Notifications

Administration >

Settings

Overview Topology Issues Pull/Merge Requests **CI** CD Kubernetes Image Registry Api Dependencies Docs

Cluster

dev-cluster-infra

Status

All

Pipeline Runs

Search



NAME	VULNERABILITIES	STATUS	TASK STATUS	STARTED	DURATION	View logs NS
▼ PLR summit-connect-tssc-run-build-5d2pd	3 37 111 87	✓ Succeeded		11/18/2024, 1:24:35 PM	5 minutes 23 seconds	View logs NS



5 rows

1-1 of 1



PLR summit-connect-tssc-run-build-5d2pd

Advanced Cluster Security 1 Issues found

Image Scan

Image Check

Deployment Check

This task returns ACS vulnerability scan results for image: quay-cp454.apps.cluster-cp454.cp454.sandbox1803.opentlc.com/quayadmin/summit-connect-tssc

CVEs by severity

Critical 3

Moderate 111

Important 37

Low 87

CVEs by status

266 vulnerabilities with available fixes

187 vulnerabilities without fixes

Total scan results

238 vulnerabilities

114 components

CVE ID



Filter by compone...



Status



Severity



CVE ID



Severity



Component



Component version

Fixed in version

[CVE-2022-4116](#)

Critical

quarkus

2.11.3.final

2.13.5

[CVE-2023-6267](#)

Critical

quarkus

2.11.3.final

2.13.9

[CVE-2023-6394](#)

Critical

quarkus

2.11.3.final

3.6.0

[RHSA-2022:4797](#)

Important

aopalliance

1.0-20.module+el8.3.0+6804+157bd82e.noarch

0:1.0-20.module+el8.6.0+13337+afcb49ec

[RHSA-2022:4797](#)

Important

apache-commons-cli

1.4-7.module+el8.3.0+6804+157bd82e.noarch

0:1.4-7.module+el8.6.0+13337+afcb49ec

[RHSA-2022:4797](#)

Important

apache-commons-codec

1.13-3.module+el8.3.0+6804+157bd82e.noarch

0:1.13-3.module+el8.6.0+13337+afcb49ec

[RHSA-2022:4797](#)

Important

apache-commons-io

1:2.6-6.module+el8.3.0+6804+157bd82e.noarch

1:2.6-6.module+el8.6.0+13337+afcb49ec

[RHSA-2022:4797](#)

Important

apache-commons-lang3

3.9-4.module+el8.3.0+6804+157bd82e.noarch

0:3.9-4.module+el8.6.0+13337+afcb49ec

Deployment lifecycle

Review deployed components/systems in the namespace using ArgoCD plugin

summit-connect-tssc-dev

Synced Healthy

Instance
main

Server

https://kubernetes.default.svc (in-cluster)

Namespace

NS summit-connect-tssc-dev

Commit

28167bc

initial commit

Resources

6 resources deployed

summit-connect-tssc-dev-
build

Synced Healthy

Instance
main

Server

https://kubernetes.default.svc (in-cluster)

Namespace

NS summit-connect-tssc-dev

Commit

28167bc

initial commit

Resources

42 resources deployed

summit-connect-tssc-preprod

Synced Degraded

Instance
main

Server

https://kubernetes.default.svc (in-cluster)

Namespace

NS summit-connect-tssc-preprod

Commit

28167bc

initial commit

Resources

7 resources deployed

summit-connect-tssc-prod

Synced Degraded

Instance
main

Server

https://kubernetes.default.svc (in-cluster)

Namespace

NS summit-connect-tssc-prod

Commit

28167bc

initial commit

Resources

7 resources deployed

Overview

Topology

Issues

Pull/Merge Requests

CI

CD

Kubernetes

Image Registry

Api

Dependencies

Docs

Cluster

dev-cluster-infra

Display options



-connect-tssc-preprod

D summit-connect-tssc-dev

D quarkus-template

✕

Details

Resources

Pods

P quarkus-
template-
78b4cffd8-
vzk76

Running

[View Logs](#)

Services

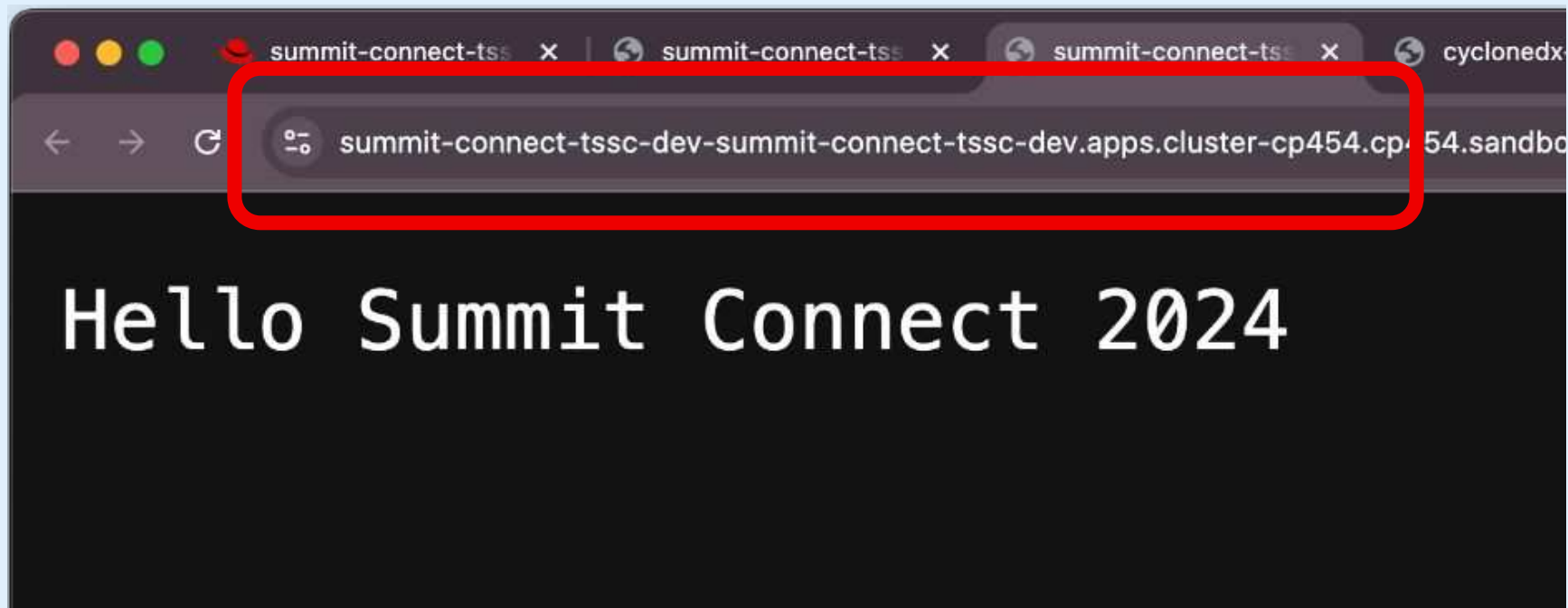
S summit-connect-tssc-dev
Service port: http → Pod port: http

Routes

RT summit-connect-tssc-dev

P quarkus-template-78b4cfff8-vzk76 C quarkus-template Download

```
1 Starting the Java application using /opt/jboss/container/java/run/run-java.sh ...
2 INFO exec java -Dquarkus.http.host=0.0.0.0 -Djava.util.logging.manager=org.jboss.logmanager.LogManager -XX:+UseParallelGC -XX:MinHeapFreeRatio=10 -XX:MaxHeapFreeRatio=20 -XX:GCTimeRati
3 --
4 --/ _ \ / / / _ \ / _ \ / / / / /
5 -/ / / / / _ \ / , / , < / / / \
6 --\ _ \ / / / / / / / / / / /
7 2024-11-18 12:30:07,739 INFO [io.qua.sma.ope.run.OpenApiRecorder] (main) Default CORS properties will be used, please use 'quarkus.http.cors' properties instead
8 2024-11-18 12:30:07,891 INFO [io.quarkus] (main) summit-connect-tssc 1.0-SNAPSHOT on JVM (powered by Quarkus 2.11.3.Final) started in 0.698s. Listening on: http://0.0.0.0:8080
9 2024-11-18 12:30:07,892 INFO [io.quarkus] (main) Profile prod activated.
10 2024-11-18 12:30:07,892 INFO [io.quarkus] (main) Installed features: [cdi, resteasy, smallrye-context-propagation, smallrye-openapi, vertx]
11
```



Homepage





Search or go to...

Project

Issues0

Merge requests0

Manage>

Plan>

Codev

Merge requests0

Repository

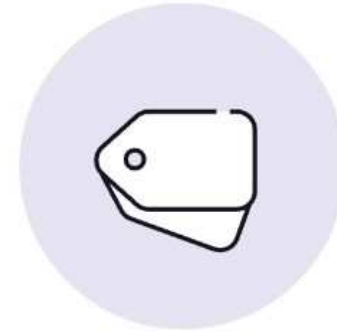
Branches

Commits

Tags

Repository graph

development / summit-connect-tssc / **Tags**



Repository has no tags yet

Use git tag command to add a new one:
`git tag -a v1.4 -m 'version 1.4'`

New tag



Search or go to...

Project

- Plan
- Code
- Merge requests 0
- Repository
- Branches
- Commits
- Tags**
- Repository graph
- Compare revisions
- Snippets
- Build
- Secure

development / summit-connect-tssc / Tags / New tag

New tag

Do you want to create a release with the new tag? You can do that in the [new release page](#).

Tag name

v1.0

Create from

master

Existing branch name, tag, or commit SHA

Message

Optionally, add a message to the tag. Leaving this blank creates a [lightweight tag](#).

Create tag

Cancel

Overview

Topology

Issues

Pull/Merge Request

CI

CD

Kubernetes

Image Registry

Api

Dependencies

Docs

Cluster

dev-cluster-infra ▾

Status

All ▾

Pipeline Runs

Search



	NAME	VULNERABILITIES	STATUS	TASK STATUS	STARTED	DURATION	ACTIONS
▼	PLR summit-connect-tssc-run-promote-z6676	-	🔄 Running		11/18/2024, 3:47:17 PM	12 seconds	
verify-enterprise-contract 0/12 quay-tag-promote patch-deployment							
>	PLR summit-connect-tssc-run-build-5d2pd	3 37 111 87	✅ Succeeded		11/18/2024, 1:24:35 PM	5 minutes 23 seconds	
						5 rows ▾	1-2 of 2 < >

- ✓ verify-enterprise-contract 50s
- ✓ quay-tag-promote 14s
- ✓ patch-deployment 14s

```
1 STEP-PATCH
2 Cloning into 'summit-connect-tssc-gitops'...
3 warning: redirecting to https://gitlab-gitlab.apps.cluster-cp454.cp454.sandbox1803.opentlc.com/development/summit-connect-tssc-gitops.git
4 [master 06ad373] Commit image tag v1.0 to preprod
5 1 file changed, 1 insertion(+), 1 deletion(-)
6 warning: redirecting to https://gitlab-gitlab.apps.cluster-cp454.cp454.sandbox1803.opentlc.com/development/summit-connect-tssc-gitops.git
7 To https://gitlab-gitlab.apps.cluster-cp454.cp454.sandbox1803.opentlc.com/development/summit-connect-tssc-gitops
8 28167bc..06ad373 master -> master
9
10 STEP-SYNC
11 'admin:login' logged in successfully
12 Context 'argocd-server-janus-argocd.apps.cluster-cp454.cp454.sandbox1803.opentlc.com' updated
13
14
```

Cluster

dev-cluster-infra

Status

All

Pipeline Runs

Search

NAME	VULNERABILITIES	STATUS	TASK STATUS	STARTED	DURATION	View logs	NS
✓ PLR summit-connect-tssc-run-promote-z6676		✓ Succeeded		11/18/2024, 3:47:17 PM	1 minute 18 seconds		
✓ verify-enterprise-contract 12/12 ✓ quay-tag-promote 1/1 ✓ patch-deployment 2/2							
PLR summit-connect-tssc-run-build-5d2pd	3 37 111 87	✓ Succeeded		11/18/2024, 1:24:35 PM	5 minutes 23 seconds		

5 rows

1-2 of 2

< >

Cluster

dev-cluster-infra

Display options



D quarkus-template

Details

Resources



Name
quarkus-template

Update strategy
RollingUpdate

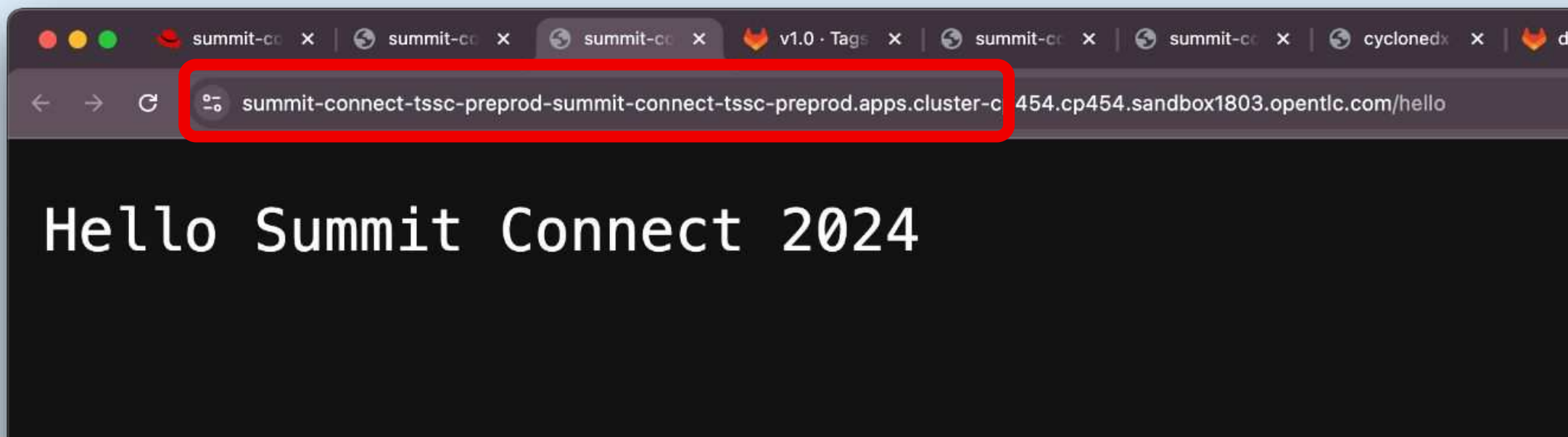
Namespace
summit-connect-tssc-preprod

Max unavailable
25% of 1 pod

Labels
app.kubernetes.io/name=quarkus-template
app.kubernetes.io/manifest=H...

Max surge
25% greater than 1 pod

Progress deadline seconds
600 seconds



summit-connect-tssc ☆

Search

Home

My Group

Catalog

APIs

Learning Paths

Create...

Tech Radar

Docs

Clusters

Orchestrator

Notifications

Administration >

Overview

Topology

Issues

Pull/Merge Requests

CI

CD

Kubernetes

Image Registry

Api

Dependencies

Docs

Quay repository: quayadmin/summit-connect-tssc

Filter

✕

Tag		Last Modified	Security Scan	Size	Expires	Manifest
v1.0		Nov 18, 2024, 3:48 PM	Critical: 3, High: 99, Medium: 172, Low: 15	100 MB	Never	sha256 8c28743
sha256-8c28743bbafe2395f6f123df38ea2216c915dd210e15146ce5bddd946d29d000.att		Nov 18, 2024, 1:30 PM	Unsupported	89.3 kB	Never	sha256 ab3c6a9
sha256-8c28743bbafe2395f6f123df38ea2216c915dd210e15146ce5bddd946d29d000.sig		Nov 18, 2024, 1:28 PM	Unsupported	305 B	Never	sha256 827af70
sha256-8c28743bbafe2395f6f123df38ea2216c915dd210e15146ce5bddd946d29d000.sbom		Nov 18, 2024, 1:28 PM	Unsupported	1.5 MB	Never	sha256 0f61a66a
latest		Nov 18, 2024, 1:28 PM	Critical: 3, High: 99, Medium: 172, Low: 15	100 MB	Never	sha256 8c28743

5 rows

|<

<

1-5 of 5

>

>|

[← Back to repository](#)

Vulnerabilities for sha256:8c28743bba

Filter

X

Advisory	Severity	Package Name	Current Version	Fixed By
GHSA-rhgr-952r-6p8q	Critical	org.apache.maven.shared:maven-shared-utils	3.2.1	3.3.3
GHSA-2f88-5hg8-9x2x	Critical	org.apache.maven:maven-core	3.6.2	3.8.1
GHSA-2f88-5hg8-9x2x	Critical	org.apache.maven:maven-compat	3.6.2	3.8.1
RHSA-2022:4797: maven:3.6 security update (Important)	High	jcl-over-slf4j	1.7.28- 3.module+el8.3.0+6804+157bd82e	0:1.7.28- 3.module+el8.6.0+13337+afcb49ec
RHSA-2022:4797: maven:3.6 security update (Important)	High	httpcomponents-core	4.4.12- 3.module+el8.3.0+6804+157bd82e	0:4.4.12- 3.module+el8.6.0+13337+afcb49ec

5 rows

|<

<

1-5 of 289

>

>|

Dependencies

Application libraries

Language runtimes

Universal base images

Provenance and
attestation of
curated content

Create

Software
composition
analysis

Digitally signed
and verified

 **Red Hat**
Trusted Profile
Analyzer

Build

Artifact building

SBOM generation

Image building

SLSA verify

 **Red Hat**
Trusted Application
Pipeline

Deploy

GitOps

Progressive delivery

Canary rollout

Image scanning

 **Red Hat**
Trusted Application
Pipeline

Run

Open source
software risk
profiles compliance

Images, containers,
clusters, and network

 **Red Hat**
Advanced Cluster
Security
for Kubernetes

Manage

SBOM inventory management | Application risk assessment

 **Red Hat**
Trusted Profile
Analyzer

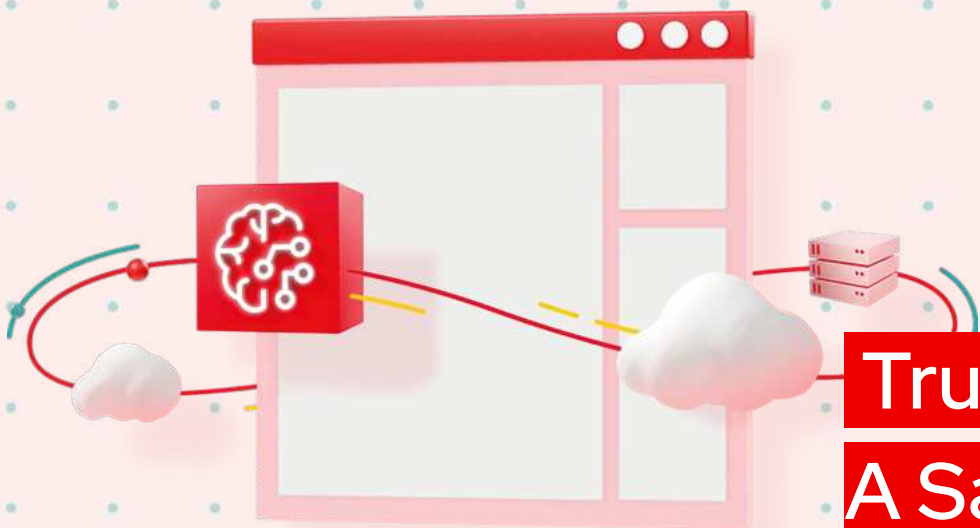
Standardize, share, and store with centralized access controls

 **Red Hat**
Quay



 **Red Hat**
Trusted Software
Supply Chain

 **Red Hat**



Trusted Software Supply Chain: A Sample Implementation



DORA will apply as of 17 January 2025.
Learn how to fortify your software
supply chain while aligning with DORA's
resilience requirements.

red.ht/Trusted-Software-Supply-Chain

/Keep your options open



Session: 15:50 – 16:20



Jetzt Session bewerten!

Einfach QR-Code
scannen, Session
wählen und bewerten.
Vielen Dank!

red.ht/rhsc24-de-s6



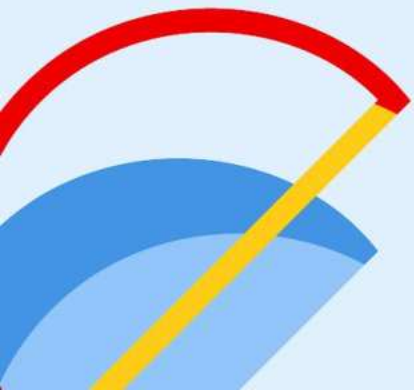
✉ klaassen@redhat.com

🐙 <https://github.com/marcoklaassen>

in <https://www.linkedin.com/in/marco-klaassen>

📍 Hamburg, Germany

Marco Klaassen
Senior Solution Architect
Red Hat





Connect

Thank you



linkedin.com/company/red-hat



facebook.com/redhatinc



youtube.com/user/RedHatVideos



twitter.com/RedHat

Home

Search

Upload SBOM

Upload CSAF

Extend >

Support

Search Results

Search for an SBOM, advisory, or CVE

Clear all filters

Products

- ☐ UBI 7
- ☐ UBI 8
- ☐ UBI 9
- ☐ Red Hat Enterprise Linux 7
- ☐ Red Hat Enterprise Linux 8
- ☐ Red Hat Enterprise Linux 9
- ☐ Ansible
- ☐ AMQ
- ☐ Quarkus

Type

- ☐ Container
- ☐ Product

SBOMs 540

Packages 878012

CVEs 255604

Advisories 3082

1 - 10 of 540 1 of 54

Name	Version	Supplier	Crea...	Depen...	Produc...	Download
RHES-3.5		Unknown	Nov 18, 2024	2735		
RHEL-9.5.0.Z.MAIN		Unknown	Nov 18, 2024	81904		
summit-connect-tssc		Unknown	Nov 18, 2024	422		
my-quarkus-app		Unknown	Nov 18, 2024	421		
my-quarkus-app		Unknown	Nov 18, 2024	421		



Home

Search

Upload SBOM

Upload CSAF

Extend



Support 

sha256:8e93355a861ced808b3f64091275369cc666097c68aa56bde139cd0211836aa0

CycloneDX

To generate a report, SBOM content will be processed by Red Hat's Dependency Analytics Service. The SBOM data will be deleted from the Dependency Analytics Service once the report has been generated. Contact rhtpa-support@redhat.com if you have any questions or concerns.

 Download

Info

Packages

Vulnerabilities ?

Dependency Analytics Report

Metadata

Name

summit-connect-tssc

Version

CycloneDX Version

1.4

Serial Number

urn:uuid:2e9cf88e-b554-4cae-850d-db6e6980dd94

Creation

Created

2024-11-18T12:28:32Z

Statistics

Size

1.40 MiB



Home

Search

Upload SBOM

Upload CSAF

Extend



Support 

sha256:8e93355a861ced808b3f64091275369cc666097c68aa56bde139cd0211836aa0

CycloneDX

To generate a report, SBOM content will be processed by Red Hat's Dependency Analytics Service. The SBOM data will be deleted from the Dependency Analytics Service once the report has been generated. Contact rhtpa-support@redhat.com if you have any questions or concerns.

 Download

Info

Packages

Vulnerabilities ?

Dependency Analytics Report

 Filter

1 - 10 of 423



1 of 43

Name

Versions

Qualifiers

alsa-lib rpm

1.2.5-4.el8

upstream=alsa-lib-1.2.5-4.el8.src.rpm distro=rhel-8.5 arch=x86_64

aopalliance maven

1.0

aopalliance rpm

1.0-20.module+el8.3.0+6804+157bd82e

distro=rhel-8.5 arch=noarch
upstream=aopalliance-1.0-20.module+el8.3.0+6804+157bd82e.src.rpm

apache-commons-cli rpm

1.4-7.module+el8.3.0+6804+157bd82e

arch=noarch
upstream=apache-commons-cli-1.4-7.module+el8.3.0+6804+157bd82e.src.rpm
distro=rhel-8.5

apache-commons-codec rpm

1.13-3.module+el8.3.0+6804+157bd82e

upstream=apache-commons-codec-1.13-3.module+el8.3.0+6804+157bd82e.src.rpm
distro=rhel-8.5 arch=noarch

apache-commons-io rpm

1:2.6-6.module+el8.3.0+6804+157bd82e

upstream=apache-commons-io-2.6-6.module+el8.3.0+6804+157bd82e.src.rpm
arch=noarch distro=rhel-8.5 epoch=1



Home

Search

Upload SBOM

Upload CSAF

Extend

Support

sha256:8e93355a861ced808b3f64091275369cc666097c68aa56bde139cd0211836aa0

CycloneDX

To generate a report, SBOM content will be processed by Red Hat's Dependency Analytics Service. The SBOM data will be deleted from the Dependency Analytics Service once the report has been generated. Contact rhtpa-support@redhat.com if you have any questions or concerns.

Download

Info

Packages

Vulnerabilities

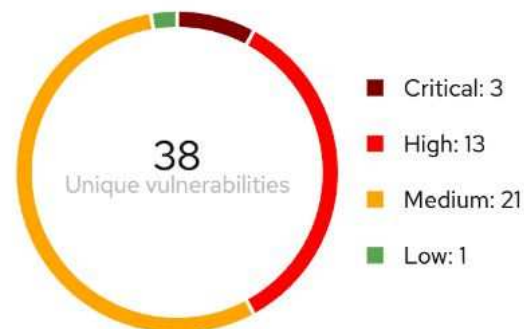
Dependency Analytics Report

Red Hat Overview of security Issues

Vendor Issues

Below is a list of dependencies affected with CVE.

osv





Dashboard

Network

Violations

Compliance

Vulnerability Management

Configuration Management

Risk

Platform Configuration

1
Cluster

6
Nodes

971
Violations

379
Deployments

301
Images

1294
Secrets

Last updated 18.11.2024 at 15:45

Dashboard

Review security metrics across all or select resources

Resources:

All clusters

All namespaces

971 policy violations by severity

[View all](#)



Most recent violations with critical severity



No data was found in the selected resources.

Images at most risk



[View all](#)

Images	Risk priority	Critical CVEs	Important CVEs
devfile/univ... veloper-image	1	0 fixable	35 fixable
openshift4/... be-rbac-proxy	1	0 fixable	10 fixable
ubi9/python-39	2	0 fixable	19 fixable
openshift-pip... tkn-cli-rhel8	2	0 fixable	13 fixable
redhat-appstudio/syft	2	0 fixable	10 fixable
ubi8	2	0 fixable	14 fixable

Deployments at most risk

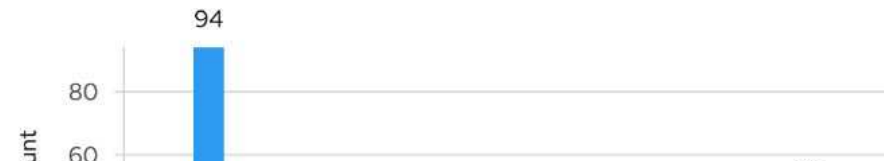
[View all](#)

Deployment	Resource location	Risk priority
gitlab	in "production / gitlab"	1

192 Aging images



[View all](#)





- Dashboard
- Network >
- Violations
- Compliance >
- Vulnerability Management >
- Configuration Management
- Risk
- Platform Configuration >

Deployments

Entity list

Export

All Entities v

1 deployment

Namespace: x summit-connect-tssc-preprod x

Page 1 of 1 < >

Deployment ↑	Cluster	Namespace	Policy Status	Images	Secrets	Service Account
quarkus-template	production	summit-connect-tssc-preprod	Fail	No images	No secrets	summit-connect-tssc-preprod



- Dashboard
- Network >
- Violations
- Compliance >
- Vulnerability Management >
- Configuration Management
- Risk
- Platform Configuration >

Deployments

Entity list

Export All Entities ▾

1 deployment

quarkus-template
Deployment

Created: 11/18/2024 | 1:16:02PM

8 Labels ⓘ

Deployment Type: Deployment

0 Annotations ⓘ

Replicas: 1

production

summit-connect-tssc-preprod

summit-connect-tssc-preprod

Images

0

Secrets

0

Deployment Findings

2 policies failed across this deployment

Page 1 of 1 < >

Policy	Enforcing	Severity	Categories	Lifecycle Stage	Violation Time
O-Trusted-Signature-Policy	Yes	⚠ High	Security Best Practices	Build, Deploy	11/18/2024 1:16:17PM
No CPU request or memory limit specified	No	⚡ Medium	DevOps Best Practices, Docker CIS	Deploy	11/18/2024 1:16:03PM