

GOVTECH  
SINGAPORE

# SHIP-HATS 2.0. Migration Briefing

13<sup>th</sup> Feb 2023

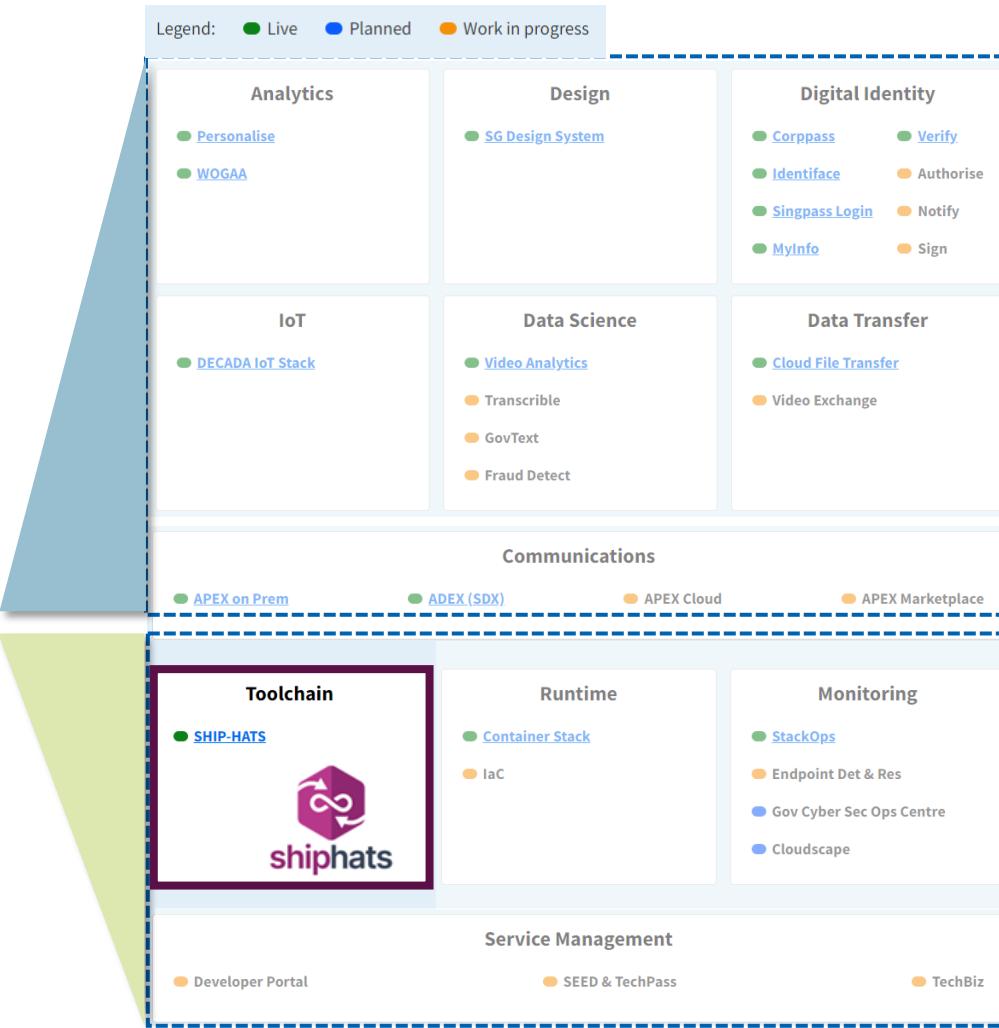
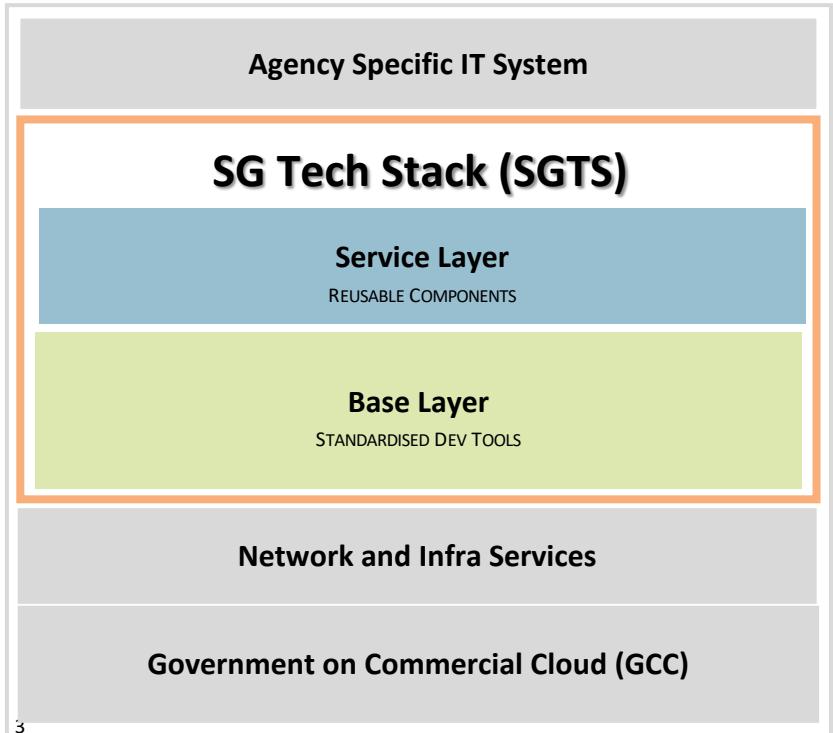


## Agenda

- SHIP-HATS 2.0. Recap
- Migration Steps
- Key dates & Next Steps
- Demo
- Q&A

# Stack – Government-in-a-Box

[www.developer.tech.gov.sg](http://www.developer.tech.gov.sg)



# StackOps and CStack



An infra and app monitoring and logging service based on Elastic Cloud. Upcoming features include compliance with ABLR.



A Container Platform for WOG to embrace GitOps with “Everything-as-Code” based on Kubernetes and fully integrated to SGTS services to simplify compliance

# SHIP-HATS

## 2.0. Recap



# SHIP-HATS 2.0. is Officially GA from 4 Jan 2023



← GI Gitlab Pilot Group 142 members, 3 online ⋮

**Pinned Message**  
Hi all, I'm trying out something just for this pilot...  
to warp, it need to pass some  
configuration like SEED,etc. before  
it is allowed to be connected to the  
network, and like what @twhendry  
mentioned, there is also a particular  
network.  
edited 18:11

**Gerald**  
As in... The runner can communicate  
with the gitlab directly without warp  
using the key you generate when you  
want to provision the runner  
18:12

**G** From what I can tell anyway 18:12

**John L**  
 **Gerald**  
As in... The runner can communicate with t...  
hmmm, can the Ship team help to  
confirm?  
18:14

# Recap: SHIP-HATS 2.0. Key Activity Timelines



# Recap: SHIP-HATS 2.0 Goals



## 1. Faster time to market

- One DevOps Platform
- End-to-End Source Code Management & CI/CD



## 2. Greater Transparency

- Pre-Defined Industry DevOps Metrics and Dashboards, incl DORA
- Value Stream Measurement Capabilities



## 3. Built-In Security

- Compliance Pipelines
- Integrated Security Testing

# Recap: SHIP-HATS 2.0 Tool Summary

SHIP-HATS 2.0*		
STAGE	GitLab Native	Alternative Tool
ACCESS	TechPass & SEED <small>Note!</small>	
PLANNING	GitLab Issues/Wiki	Jira, Confluence
BUILD	GitLab CI/CD GitLab Package Registry GitLab Dependency Scanning	NA Nexus Repo Nexus Intelligence
BUILD TESTING	GitLab SAST	Fortify-on-Demand <sup>new!</sup>
OTHER TESTS	GitLab Code Quality Scanning Tool GitLab DAST GitLab Container Scanning NA	SonarQube Developer Edition (On-Prem) Fortify-on-demand <sup>new!</sup> NA pCloudy Test Farm
DEPLOY & RELEASE	GitLab CI/CD	NA

# SHIP-HATS 2.0 Subscription

- Materials for Subscription
- Indicative Pricing, Pricing Calculator
- Pricing Simulations
- Subscription how-to videos

<https://go.gov.sg/sh2indicative>  
**Accessible via GSIB**

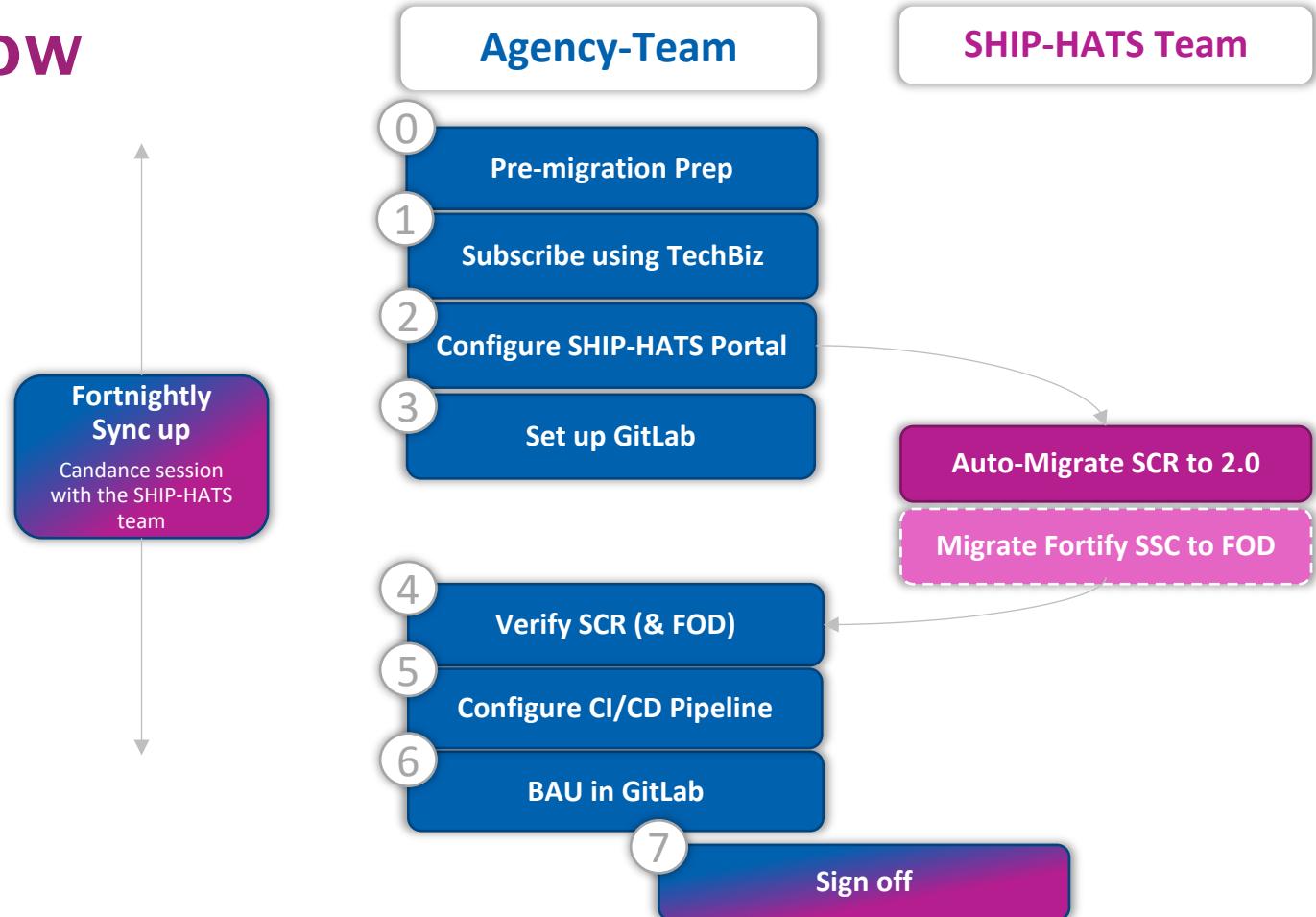
# Migration Steps



# Learnings from Wave 1

1. Onboard via TechBiz early to **focus pipeline creation** during the wave
2. Review the migration checklist holistically so that you can plan subsequent action items accordingly (especially activities involving external parties)
3. Review the effort estimation webinar to size right.

# Migration Activity Flow



# 0 Premigration



## Pre-migration Prep

1. Review Jira Migration ticket

2. Understand Technical Considerations

3. Review Current Tools and Services in SHIP-HATS 1.0 & Subscription Package

4. Raise Internal AOR for 2.0 Tools & Services

5. Raise Vendor SR (as applicable)

6. TechPass & SEED (if applicable)

7. Use Success Criteria template and define your success criteria



Help Center / SHIP HATS 2.0 MIGRATION / SHMIG-82

[GOVTECH] SHIP-HATS Migration for 1905888888-Hive Agile Testing Solution (HATS)



Comment on this request...

### CONTRACT & TECH PREREQUISITES

Don't notify me

Share

Shared with

Siu Min Ang  
Creator

Details 1 week ago 3:52 PM

#### Description

Hi POC,

This Jira ticket will be used to track your migration activities from SHIP-HATS 1.0 to 2.0 as well as to address any questions/issues that you may have.

As you may know, SHIP-HATS 2.0 has GA on 4 Jan 2023. We will be conducting a Kickoff Briefing two weeks prior to the start date of your booked Migration Wave. Do look out for the invite soon. The briefing will cover the processes involved in onboarding to SHIP-HATS 2.0 via TechBiz, along with a brief on the overall Migration process.

Before attending these briefings, we recommend that you can get started to prepare for the migration with the following activities:

1. Add any of your team members involved in the migration to this Jira ticket as participants.
2. If your project includes outsourced vendors, a reminder to ensure that your AOR/CR/SR has been approved prior to the migration period, to ensure that there are no delays to the migration schedule.
3. Do ensure that your team members are onboarded to SEED (<https://docs.developer.tech.gov.sg/docs/security-suite-for-engineering-endpoint-devices/>) and TechPass (<https://docs.developer.tech.gov.sg/docs/techpass-user-guide/onboard-public-officers-using-non-se-machines>) as these are pre-requisites to onboarding to SHIP-HATS 2.0.
4. Define your project onboarding success criteria. If you need help in structuring your success criteria, we have provided a sample version here: <https://docs.developer.tech.gov.sg/docs/ship-hats-migration/files/migration-checklists.xlsx>
  - Please feel free to add/modify the non-critical criteria based on your project requirements.
5. Skill-up on SHIP-HATS 2.0's GitLab platform via the following:
  - SHIP-HATS 2.0 Webinars (<https://docs.developer.tech.gov.sg/docs/ship-hats-webinars>)

## Pre-migration Prep

1. Review Jira Migration ticket
- 2. Understand Technical Considerations**
3. Review Current Tools and Services in SHIP-HATS 1.0 & Subscription Package
4. Raise Internal AOR for 2.0 Tools & Services
5. Raise Vendor SR (as applicable)
6. TechPass & SEED (if applicable)
7. Use Success Criteria template and define your success criteria

## Source code repo size

### < 2 GB Repo

Repos Auto Migrated by SHIP-HATS

### > 2 GB Repo

Agency Project team manages a manual transfer OR  
Reduce repo size before migration

## Shared Runner

**Docker in Docker not supported** in SHIP-HATS 2.0 due to security risk

Use to **Kaniko** as alternative to Docker to build your containers for your pipeline

## Pre-migration Prep

1. Review Jira Migration ticket

2. Understand Technical Considerations

**3. Review Current Tools and Services in SHIP-HATS 1.0 & Subscription Package**

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7. Use Success Criteria template and define your success criteria

### Base plan

- 3 x GitLab Ultimate User License
  - Got more users? You can buy up to 47 additional GitLab Ultimate license as [Add-on](#). If you have more than 50 users (3 Base + 47 Add-ons), you will need to purchase additional Base plan.
  - One subscriber can have more than one Base plan
  - Fair Usage Policy – 1 GitLab license is entitled to up to 10 GB
- Standard support (9:00 AM to 5:30 PM except public holidays)
- pCloudy shared

### Add-ons

Component	What's Included	Notes
GitLab Ultimate	1 x GitLab Ultimate User License	Based on the number of users
Jira/Confluence	1 x Jira/Confluence License	Based on the number of users
Sonatype Nexus IQ & Nexus Repo	1 x Nexus IQ 1 x Nexus Repo User License	Based on the number of users
pCloudy Testing Farm	1 x pCloudy iOS Device (dedicated)  1 x pCloudy Android Device (dedicated)	1 device can be used concurrently across multiple GitLab Projects, and tests can be run in parallel
SonarQube	1 x SonarQube Community Edition App  1 x SonarQube Dev Edition App	1 app can be used for 1 subscription (i.e. shared across GitLab projects)  1 app can be used for 1 subscription (i.e. shared across GitLab projects)
Fortify-on-Demand	1 x FOD App	1 app can be shared across multiple GitLab Projects, but tests cannot be run in parallel.
Additional support	Per hour (after 5:30 PM)	Outside office hours

## Pre-migration Prep

1. Review Jira Migration ticket
2. Understand Technical Considerations
3. Review Current Tools and Services in SHIP-HATS 1.0 & Subscription Package
4. Raise Internal AOR for 2.0 Tools & Services
5. Raise Vendor SR (as applicable)
6. TechPass & SEED (if applicable)
- 7. Use Success Criteria template and define your success criteria**

## Success Criteria

1. Operational Source Code Repository in GitLab
2. Operational FOD Application (if applicable)
3. Operational CI & CD pipeline in GitLab
4. GitLab Dashboards
5. Archival of Project on 1.0 Tools

### Sample Success Criteria

Objective	Acceptance Criteria
1Accept User roles	Agency team accepts that roles defined for developers and Security Team.
2Accept SHIP-HATS 2.0 templates used in setting up the CI/CD pipeline	Agency team is aware of SHIP-HATS 2.0 that the pipeline has been set up as per requirement.
3Accept Compliance Framework applied	Agency team understands that applying DevSecOps best practices.
4Accept Container Scanning capability	Agency team confirms that SAST tests have been completed successfully on the dashboard.
5Accept DAST security test capability	Agency team confirms that SCA tests have been completed successfully on the dashboard.
6Accept Container Scanning capability	Agency team confirms that Container tests are available for review in Security Dashboard.
7Accept DAST security test capability	Agency team confirms that DAST tests are available for review in Security Dashboard.
8Accept pipeline execution across multiple repositories	Agency team has tested and verified the pipeline execution across multiple repositories.
9Accept access control for executing pipelines	Agency team has tested and verified that access control for executing pipelines is working correctly.
10Accept IT Management Dashboard	Agency team has verified that SHIP-HATS 2.0 has been successfully migrated to the new platform.
11Sign off the CI/CD Pipeline	Agency team accepts that the pipeline has been successfully migrated to the new platform.

*Sample Success Criteria available on  
Developer Portal for download!*

1 Subscription using  
TechBiz



## Basics



**TechBiz** is a **subscription & billing** management tool that allows users to **subscribe, manage and report** their Singapore Government Technology Stack (SGTS) resources

### What can you do:

- Submit Subscription Request
- Agency Approvers can approve the request
- Subscription Admin adds users and system details

### Who can access:

- Public officers from Agency using [Non SE – GSIB](#)

### TechBiz Portal Access link:

[portal.techbiz.suite.gov.sg](http://portal.techbiz.suite.gov.sg)

# Use the how-to videos

1

## Subscribe using TechBiz

1. Agency Subscription Admin create Subscription Package on TechBiz Portal
2. Agency Approver approves the subscription account
3. Create systems and users
4. Update details on Jira Migration ticket
5. Verify system on TechBiz

[go.gov.sg/sh2indicative](http://go.gov.sg/sh2indicative)

Accessible via GSIB to review pricing information .

Documents > SHIP-HATS 2.0 > Onboarding how-to videos

-  step-1-create-subscription-pac...
-  step-2-approve-account.mp4
-  step-3-create-system-name.mp4
-  step-4-create-users-and-grant-...

## Subscribe using TechBiz

1. Agency Subscription Admin create Subscription Package on TechBiz Portal

2. Agency Approver approves the subscription account

3. Create systems and users

4. Update details on Jira Migration ticket

5. Verify system on TechBiz

## Update Jira Migration ticket!

1. TechBiz Account ID
2. SHIP-HATS Portal Subscription ID
3. Projects to be mapped (if doing partial migration)

**Note:** Once we have mapped your 1.0. subscription to your 2.0. subscription in the SHIP-HATS Portal, your 1.0. subscription in the SHIP-HATS Portal will be “**frozen**” and you will have to **raise an SR** to make changes to your 1.0. subscription

## 2 Configure SHIP-HATS Portal



2

## Configure SHIP-HATS Portal

1. Access SHIP-HATS Portal

2. Verify Users & Systems

3. Verify Project & Tools

4. Create any new Projects &  
Assign Project Admin

5. Set up GitLab & other tools

# SHIP-HATS Portal Access link:

[portal.ship.gov.sg](http://portal.ship.gov.sg)

The screenshot shows the SHIP-HATS portal interface. At the top, there's a header with a logo, the text "A Singapore Government Agency Website How to identify...", and a "CURRENT ROLE SUBSCRIPTION ADMIN" dropdown. Below the header is a sidebar with links for Dashboard, Workspace, and Users, with "All User Groups" and "All Users" options. The main content area is titled "All Users" and displays a table of users. The first seven users in the table are highlighted with a red box. The columns in the table include Name, Project Role, GitLab, Jira/Confluence, Sonatype, and Last Login. The users listed are KY, NM, CG, DN, HW, JT, and KK, all with various roles and login times.

Name	Project Role	GitLab	Jira/Confluence	Sonatype	Last Login
KY	Subscr Admin	@tech.gov.sg			5 days ago 5:48 PM
NM	Subscr Admin	@tech.gov.sg			Yesterday 1:56 PM
CG		@tech.gov.sg	Project Admin		4 days ago 5:16 PM
DN		hive.gov.sg			5 days ago 3:30 PM
HW		tech.gov.sg	Project Admin		4 days ago 5:23 PM
JT		ech.gov.sg			Yesterday 10:57 PM
KK		@tech.gov.sg			Yesterday 5:23 PM

## Configure SHIP-HATS Portal

1. Access SHIP-HATS Portal

2. Verify Users & Systems

3. Verify Project & Tools

4. Create any new Projects & Assign Project Admin

5. Set up GitLab & other tools

# SHIP-HATS Portal Access link:

[portal.ship.gov.sg](http://portal.ship.gov.sg)



Dashboard

Workspace

Users



### Projects

MOH-Documentation

Project description

This is a project for documentation.

Admin

HW JT

Created on 17 Jan 2023

MOH-NEW PROJ

Project description

NEW PROJ

Admin

GG

Created on 09 Jan 2023

MOH-MY2NDPROJ

Project description

MY2NDPROJ

Admin

HW

Created on 09 Jan 2023

MOH-PROJECT

Project description

PROJECT DESC

Admin

HW

Created on 04 Jan 2023

MOH-Documentation

Manage Project

Manage System

Manage Admins

Delete Project

A Singapore Government Agency Website [How to Identify](#)



Dashboard

Workspace

Users

Workspace / Health hub / MOH-Documentation



NM

Natasha Mahajan

CURRENT ROLE  
SUBSCRIPTION ADMIN

### Project Description

This is a project for documentation.

### Subscribed Tools

GitLab

Create

Nexus IQ

Create

Nexus Repo

Create

pCloudy

Create

### Not Subscribed Tools

Jira Software

Create

Confluence

Create

Fortify on Demand

Create

SonarQube

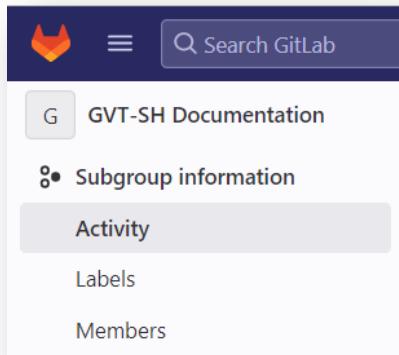
Create

# 3 Configure GitLab



## Access GitLab:

<https://sgts.gitlab-dedicated.com/>



- ✓ Verify user mapping
- ✓ Set up SSH Keys
- ✓ Set up GPG Keys

## Auto-Migrate SCR to 2.0

## Migrate Fortify SSC to FOD

For Bitbucket		
Wave (optional)	Source URL to migrate (.git format)	Destination: Parent Path
Wave1	<a href="https://bitbucket.ship.gov.sg/projects/&lt;project_key&gt;/repos/&lt;repo_name&gt;">https://bitbucket.ship.gov.sg/projects/&lt;project_key&gt;/repos/&lt;repo_name&gt;</a>	<subscription name>/<groupname>
Wave2	<a href="https://bitbucket.ship.gov.sg/scm(ship)/booth-demo.git">https://bitbucket.ship.gov.sg/scm(ship)/booth-demo.git</a>	gvt/ship

< 2 GB Source Repo

Migrated by SHIP-HATS within 2 business days

Your bitbucket structure will be migration to GitLab.

Bitbucket	GitLab
Project	Group
Repository	Project

## 4 Verify SCR (FOD)



## Verify SCR &amp; FOD

## SAMPLE VERIFICATION REPORT

## Instructions

This report is a high level view of the migration with diffs listed between source and destination. The report is meant for engineers to get details and stats without having to rely on other teams to verify all the details about the migration. This report DOES NOT replace User Acceptance Testing. The report will show a color coded 'Overall Accuracy' along with individual endpoint 'Accuracy'. Anything with an accuracy of 90% or above is considered a success, and isn't worth looking at unless something comes up in User Acceptance Testing. Items under 90% accuracy should merit further investigation.

## Project Migration Results

Staged Project's: '13'	Successful Projects: '13'	Overall Accuracy	Result
------------------------	---------------------------	------------------	--------

Project	Accuracy	Result
---------	----------	--------

gitlab-instance-0b248ec6 Monitoring	99.26%	success
-------------------------------------	--------	---------

All Migrated Projects Results

Individual Migrated Project Results

endpoint	accuracy	diff
projects/:id	77.78%	<div style="background-color: #f0f0f0; padding: 5px;"> <span style="font-size: small;">show/hide</span>   <pre>{   "visibility": {     "...": "internal",     "+++": "private"   } }</pre> </div>
Total Number of Merge/Pull Requests	N/A	<div style="background-color: #f0f0f0; padding: 5px;"> <span style="font-size: small;">source: 0</span>   <span style="font-size: small;">destination: 0</span> </div>
Total Number of Branches	N/A	<div style="background-color: #f0f0f0; padding: 5px;"> <span style="font-size: small;">source: 1</span>   <span style="font-size: small;">destination: 1</span> </div>
Total Number of Tags	N/A	<div style="background-color: #f0f0f0; padding: 5px;"> <span style="font-size: small;">source: 1</span>   <span style="font-size: small;">destination: 1</span> </div>
Total Number of Commits	N/A	<div style="background-color: #f0f0f0; padding: 5px;"> <span style="font-size: small;">source: 1</span>   <span style="font-size: small;">destination: 1</span> </div>
Repo Permission Mapping	100.00%	<div style="background-color: #f0f0f0; padding: 5px;"> <span style="font-size: small;">show/hide</span> </div>
Branch Permission Mapping	100.00%	<div style="background-color: #f0f0f0; padding: 5px;"> <span style="font-size: small;">show/hide</span> </div>

Data set verification details

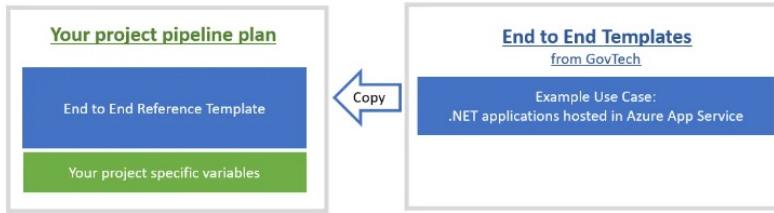
Difference details

# 5 Configure Pipelines

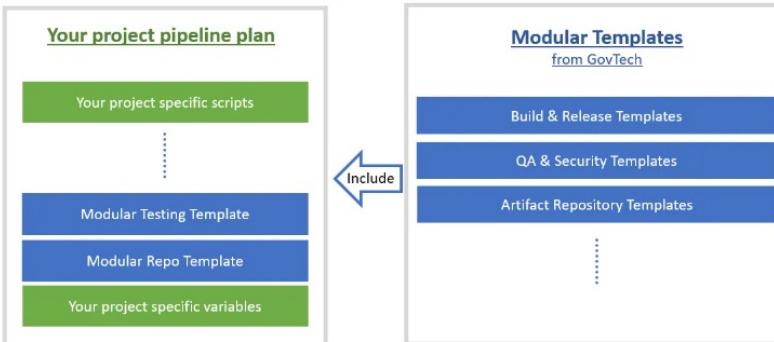


**Pipeline Template list & links available on Developer Portal**

- **End-to-End templates:** An end-to-end CI/CD workflow for a specific use case such as .Net application hosted in Azure App Service, Java application hosted in AWS EC2, etc.



- **Modular templates:** A stand-alone basic template for invoking build, test, deploy tools, etc.



## E2E templates

Template	Description
<a href="#">SHIP-HATS Docker Image CI Pipeline Templates</a>	This template allows you to deliver a compliant CI pipeline for a standard docker application (regardless of language) considering best practices as well as security aspects.
<a href="#">SHIP-HATS Docker Multi Services App E2E Templates</a>	This template allows you to deliver a compliant CI/CD pipeline for a standard docker application (regardless of language) considering best practices as well as security aspects.
<a href="#">SHIP-HATS Docker Single Service App E2E Templates</a>	This template allows you to deliver a compliant CI/CD pipeline for a standard docker application (regardless of language) considering best practices as well as security aspects.
<a href="#">SHIP-HATS Webapp E2E Templates</a>	This template allows you to deliver a compliant CI/CD pipeline for a standard web application (regardless of language) considering best practices as well as security aspects.

## Common templates

Template	Description
<a href="#">Readiness check for web application</a>	This template allows you to check if a web application is ready by querying the URL and searching for a given text in a loop until a give wait duration.
<a href="#">Readiness check for docker service</a>	This template allows you to check if a web application is ready by querying the URL and searching for a given text in a loop until a give wait duration.
<a href="#">AZ CLI invocation</a>	This template allows you to invoke Azure CLI commands.
<a href="#">Depcheck for NPM projects</a>	This template allows you to perform depcheck for your npm project to identify unused dependencies.
<a href="#">AWS identity federation</a>	This template allows you to invoke AWS CLI within the <code>script</code> key.
<a href="#">AWS Secret Retrieval</a>	This template allows you to invoke AWS CLI within the <code>script</code> key.
<a href="#">AWS EKS kubectl</a>	This template allows you to invoke kubectl commands within the <code>script</code> key.

```
gitlab-dcylm | 933 KB

1 include:
2   - local: BUILD.gitlab-ci.yml
3   - local: TEST.gitlab-ci.yml
4   - local: DEPLOY.gitlab-ci.yml
5   - project: "NGO/ovt/ship/ship-hats-templates"
6     ref: "main"
7   file:
8     - ./templates/vars/.gitlab-ci-pipeline-type-vars.yml
9     - ./templates/.gitlab-ci-pipeline-type-variables.yml
10    - ./templates/.gitlab-ci-docker-push.yml
11    - ./templates/vars/.gitlab-ci-pipeline-coe-vars.yml
12    - ./templates/.gitlab-ci-common.yml
13    - ./templates/.gitlab-ci-docker-delete.yml
14
15 .converge_parallel_matrix:#&converge_parallel_matrix # call this if you need to consolidate
16 before_script:
17
18   for file in ./build-job/*_sh; do
19     source $file # file prod_IMAGE_NAME and OUTPUT_BUILD_ARTEFACT as environment
20     OUTPUT_BUILD_ARTEFACTS=$OUTPUT_BUILD_ARTEFACTS$OUTPUT_BUILD_ARTEFACT, # add to
21   done
22
23   for file in ./build-image-job/*_sh; do
24     source $file # file PRODUCT_IMAGE_NAME and OUTPUT_IMAGE_ARTEFACT as environment
25     PRODUCT_IMAGE_NAME=${PROD_IMAGE_NAME}NSPROD_IMAGE_NAME${PROD_IMAGE_NAME}VERSION, # add to
26     OUTPUT_IMAGE_ARTEFACTS=$OUTPUT_IMAGE_ARTEFACTS$OUTPUT_IMAGE_ARTEFACT, # add to
27   done
28
29   - PROD_IMAGE_NAMES=$PROD_IMAGE_NAMES${PROD_IMAGE_NAMES}[-1]
30   - OUTPUT_BUILD_ARTEFACTS=$OUTPUT_BUILD_ARTEFACTS${OUTPUT_BUILD_ARTEFACTS}[-1]
31   - OUTPUT_IMAGE_ARTEFACTS=$OUTPUT_IMAGE_ARTEFACTS${OUTPUT_IMAGE_ARTEFACTS}[-1]
32   - SCM_TARGETS=$OUTPUT_BUILD_ARTEFACTS,$OUTPUT_IMAGE_ARTEFACTS
33
34 stages:
35   - build
36   - static-test
37   - unit-test
38   - publish
39   - sign
40   - deploy-to-prod # to PROD
41
42 image: INXUSREPO_DOCKER_PROXY_HOSTNAME/alpine:latest

gitlab-ci-azure.xml | 755 bytes
```

```
1 include:
2   - local: "/templates/.gitlab-ci-common.yml"
3   - local: "/templates/vars/.gitlab-ci-sonatype-vars.yml"
4
5 .invoke-accli-commands-with-serviceprincipal:
6   image: mcr.microsoft.com/azure-cli
7   tags:
8     - non_privileged
9     - no_root
10    - cstack
11  before_script:
12    - export VARIABLE_NAME=AZ_SERVICEPRINCIPAL_ID
13    - !reference [.check-variable:sh, script]
14    - export VARIABLE_NAME=AZ_SERVICEPRINCIPAL_PASSWORD
15    - !reference [.check-variable:sh, script]
16    - export VARIABLE_NAME=AZ_TENANT_ID
17    - !reference [.check-variable:sh, script]
18    - az login --service-principal --username $AZ_SERVICEPRINCIPAL_ID --password $AZ_SERI
19  after_script:
20    - az logout --username $AZ_SERVICEPRINCIPAL_ID
```

3

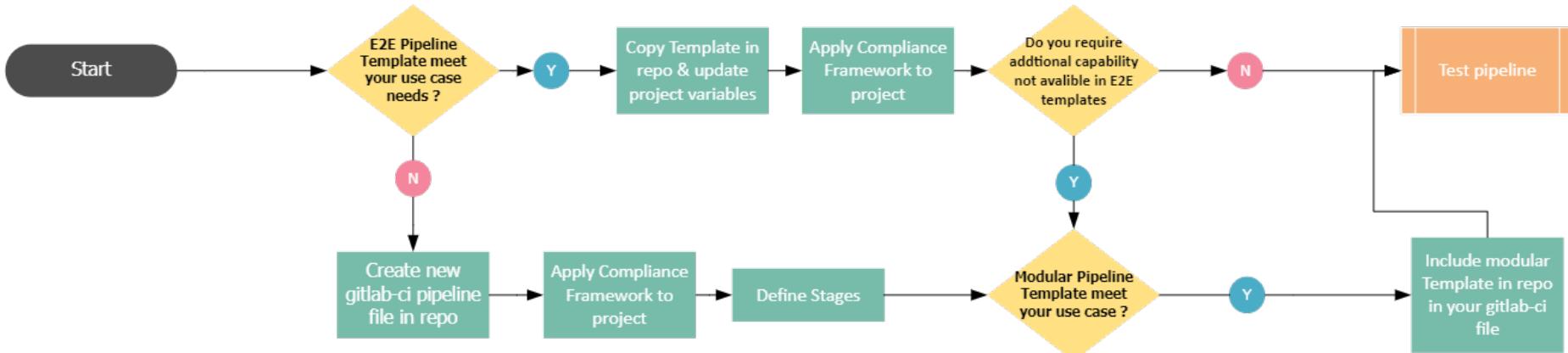
Set up CI/CD Pipeline

4

CD Environment Setup

## TEMPLATE DRIVEN PIPELINE CONFIGURATION

Pipeline Task    Decision    Milestone Activity



# 6 BAU in GitLab



## BAU in GitLab

## DEVELOPER DASHBOARDS

The image shows the GitLab web interface. On the left, there's a sidebar with icons for projects, groups, milestones, snippets, activity, and several dashboard sections: 'Your dashboards' (Environments, Operations, Security), 'Switch to' (Projects, Groups), 'Explore' (Milestones, Snippets, Activity), and a search bar. A large blue arrow points from the 'Your dashboards' section towards the center. In the center, three developer dashboards are displayed: 'Operations Dashboard', 'Security Dashboard', and 'Environments Dashboard'. The 'Operations Dashboard' shows project status for 'GitLab.org / gitlab', 'GitLab.com / GitLab Docs', 'GitLab.org / gitlab-runner', and 'GitLab.org / GitLab Community Edition'. The 'Security Dashboard' includes a 'Vulnerabilities over time' chart and a 'Project security status' table. The 'Environments Dashboard' shows environments 'gprd' and 'gprd-cny' with their respective API logs and deployment history.



Have more  
questions?

- Reach out to us at  
<https://go.gov.sg/she>
- Technical documentation  
<https://go.gov.sg/ship-hats-docs>

# Thank You

