



Submitted by:

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BATCH - 1 DevOps

Submitted to:

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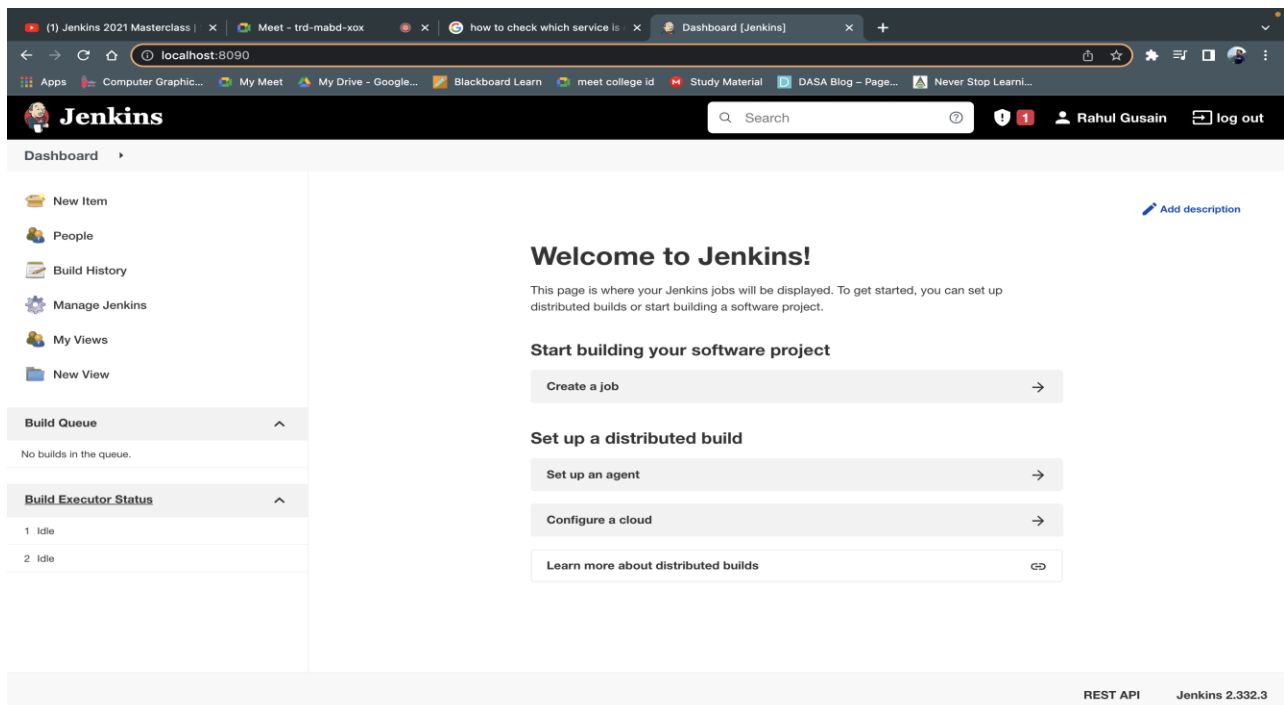
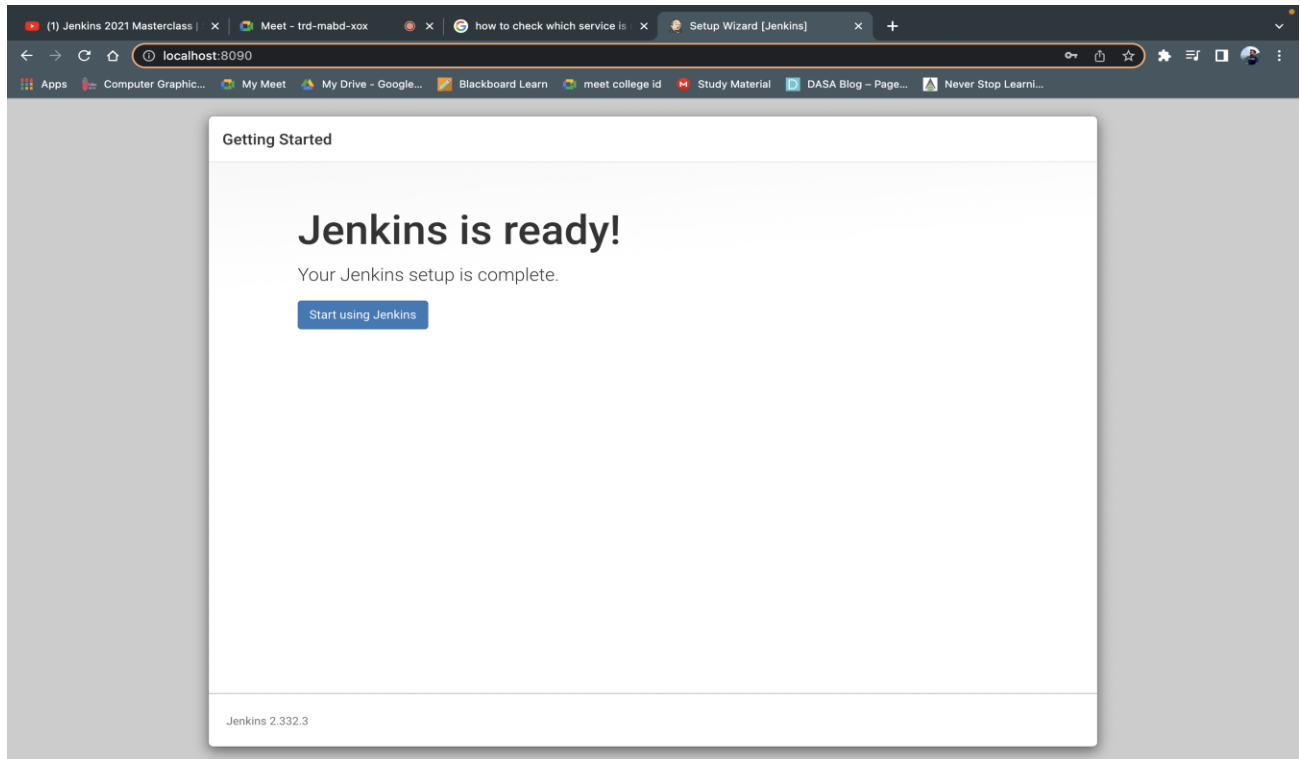
CI - CD Lab

Jenkins and Github Actions

CLI Commands:

```
Rahuls-MacBook-Air:~ rahulgusain$ java -jar jenkins.war
Running from: /Users/rahulgusain/jenkins.war
webroot: $user.home/.jenkins
2022-12-04 08:32:31.011+0000 [id=1] INFO org.eclipse.jetty.util.log.Log#initialized: Logging initialized @2245ms to org.eclipse.jetty.ut
il.log.JavaUtilLog
2022-12-04 08:32:31.123+0000 [id=1] INFO winstone.Logger#logInternal: Beginning extraction from war file
2022-12-04 08:32:33.414+0000 [id=1] WARNING o.e.j.s.handler.ContextHandler#setContextPath: Empty contextPath
2022-12-04 08:32:33.475+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: jetty-9.4.43.v20210629; built: 2021-06-30T11:07:22.254
Z; git: 526006ecfa3af7f1a27ef3a288e2bef7ea9dd7e8; jvm 1.8.0_331-b09
2022-12-04 08:32:33.834+0000 [id=1] INFO o.e.j.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find org.eclips
e.jetty.jsp.JettyJspServlet
2022-12-04 08:32:33.908+0000 [id=1] INFO o.e.j.s.s.DefaultSessionIdManager#doStart: DefaultSessionIdManager workerName=node0
2022-12-04 08:32:33.908+0000 [id=1] INFO o.e.j.s.s.DefaultSessionIdManager#doStart: No SessionScavenger set, using defaults
2022-12-04 08:32:33.910+0000 [id=1] INFO o.e.j.server.session.HouseKeeper#startScavenging: node0 Scavenging every 60000ms
2022-12-04 08:32:34.812+0000 [id=1] INFO hudson.WebAppMain#contextInitialized: Jenkins home directory: /Users/rahulgusain/.jenkins found
at: $user.home/.jenkins
2022-12-04 08:32:41.592+0000 [id=1] INFO o.e.j.s.handler.ContextHandler#doStart: Started w.@6b739528{Jenkins v2.332.3,,file:///Users/ra
hulgusain/.jenkins/war/,AVAILABLE}{/Users/rahulgusain/.jenkins/war}
2022-12-04 08:32:41.616+0000 [id=1] INFO o.e.j.server.AbstractConnector#doStop: Stopped ServerConnector@a8ef162{HTTP/1.1, (http/1.1)}{0.
0.0.0:8080}
2022-12-04 08:32:41.616+0000 [id=1] INFO o.e.j.server.session.HouseKeeper#stopScavenging: node0 Stopped scavenging
2022-12-04 08:32:41.623+0000 [id=1] INFO hudson.WebAppMain#contextDestroyed: Shutting down a Jenkins instance that was still starting up
java.lang.Throwable: reason
    at hudson.WebAppMain.contextDestroyed(WebAppMain.java:386)
    at org.eclipse.jetty.server.handler.ContextHandler.callContextDestroyed(ContextHandler.java:1074)
    at org.eclipse.jetty.servlet.ServletContextHandler.callContextDestroyed(ServletContextHandler.java:584)
    at org.eclipse.jetty.server.handler.ContextHandler.contextDestroyed(ContextHandler.java:1037)
    at org.eclipse.jetty.servlet.ServletHandler.doStop(ServletHandler.java:319)
    at org.eclipse.jetty.util.component.AbstractLifecycle.stop(AbstractLifecycle.java:94)
    at org.eclipse.jetty.util.component.ContainerLifecycle.stop(ContainerLifecycle.java:180)
    at org.eclipse.jetty.util.component.ContainerLifecycle.doStop(ContainerLifecycle.java:201)
    at org.eclipse.jetty.server.handler.AbstractHandler.doStop(AbstractHandler.java:108)
    at org.eclipse.jetty.security.SecurityHandler.doStop(SecurityHandler.java:437)
    at org.eclipse.jetty.security.ConstraintSecurityHandler.doStop(ConstraintSecurityHandler.java:423)
    at org.eclipse.jetty.util.component.AbstractLifecycle.stop(AbstractLifecycle.java:94)
    at org.eclipse.jetty.util.component.ContainerLifecycle.stop(ContainerLifecycle.java:180)
    at org.eclipse.jetty.util.component.ContainerLifecycle.doStop(ContainerLifecycle.java:201)
    at org.eclipse.jetty.server.handler.AbstractHandler.doStop(AbstractHandler.java:108)
    at org.eclipse.jetty.session.SessionHandler.doStop(SessionHandler.java:520)
    at org.eclipse.jetty.util.component.AbstractLifecycle.stop(AbstractLifecycle.java:94)
    at org.eclipse.jetty.util.component.ContainerLifecycle.stop(ContainerLifecycle.java:180)
    at org.eclipse.jetty.util.component.ContainerLifecycle.doStop(ContainerLifecycle.java:201)
    at org.eclipse.jetty.server.handler.AbstractHandler.doStop(AbstractHandler.java:108)
    at org.eclipse.jetty.server.handler.ContextHandler.stopContext(ContextHandler.java:1060)
```

Jenkins Terminal:



Dashboard > Jenkins CLI

- New Item
- People
- Build History
- Manage Jenkins
- My Views
- New View

Build Queue

No builds in the queue.

Build Executor Status

- 1 Idle
- 2 Idle

Jenkins CLI

You can access various features in Jenkins through a command-line tool. See [the documentation](#) for more details of this feature. To get started, download [jenkins-cli.jar](#), and run it as follows:

```
java -jar jenkins-cli.jar -s http://localhost:8090/ -webSocket help
```

Available Commands

Name ↓	Description
add-job-to-view	Adds jobs to view.
build	Builds a job, and optionally waits until its completion.
cancel-quiet-down	Cancel the effect of the "quiet-down" command.
clear-queue	Clears the build queue.
connect-node	Reconnect to a node(s)
console	Retrieves console output of a build.
copy-job	Copies a job.
create-credentials-by-xml	Create Credential by XML

localhost:8080/job/Job1/configure

Dashboard > Job1 >

Configuration

- General
- Source Code Management
- Build Triggers
- Build Environment
- Build Steps**
- Post-build Actions

Build Steps

Execute Windows batch command ?

Command

See [the list of available environment variables](#)

```
dir
git --version
docker --version
```

Advanced...

Add build step ▾

Post-build Actions

Save

Apply

Dashboard > Job1 >

Project Job1

[Add description](#)

[Disable Project](#)

[Back to Dashboard](#)

[Status](#)

[Changes](#)

[Workspace](#)

[Build Now](#)

[Configure](#)

[Delete Project](#)

[Rename](#)

[Build History](#) [trend](#) v

Filter builds...

#1 Nov 1, 2022, 11:04 PM

[Atom feed for all](#) [Atom feed for failures](#)

REST API Jenkins 2.361.1

Dashboard > Job1 > #1

Console Output

[Back to Project](#)

[Status](#)

[Changes](#)

[Console Output](#)

[View as plain text](#)

[Edit Build Information](#)

[Delete build '#1'](#)

```
Started by user Akshat Singhal
Running as SYSTEM
Building in workspace C:\Users\drsap\.jenkins\workspace\Job1
[Job1] $ cmd /c call C:\Users\drsap\AppData\Local\Temp\jenkins15053261180381339194.bat

C:\Users\drsap\.jenkins\workspace\Job1>dir
Volume in drive C is OS
Volume Serial Number is 1067-E843

Directory of C:\Users\drsap\.jenkins\workspace\Job1

01-11-2022 23:04 <DIR>      .
01-11-2022 23:04 <DIR>      ..
               0 File(s)      0 bytes
               2 Dir(s)  454,856,699,904 bytes free

C:\Users\drsap\.jenkins\workspace\Job1>git --version
git version 2.36.0.windows.1

C:\Users\drsap\.jenkins\workspace\Job1>docker --version
Docker version 20.10.17, build 100c701

C:\Users\drsap\.jenkins\workspace\Job1>exit 0
```