

Lab -Running a Web App using a Docker Image

```
azureuser@vijaya-docker:~$ sudo docker container ls -a
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS
508203742c1f        jenkins/jenkins:lts   "/usr/bin/tini -- /u..."   3 minutes ago    Up 3 minutes      50000/tcp, 0.0.0.0:81->8080/tcp, [::]:81->8080/tcp   NAMES
                                                               my_jenkins
```

The screenshot shows a Jenkins dashboard. At the top, there's a terminal window showing the command `sudo docker container ls -a` and its output, which lists a single container named `my_jenkins`. Below this is a browser window displaying the Jenkins interface. The browser's address bar shows the URL `20.83.170.225:81`. The Jenkins dashboard has a header with the Jenkins logo and the text "Welcome to Jenkins!". It includes sections for "Build Queue" (empty), "Build Executor Status" (0/2), and a main area with a "Start building your software project" button. There are also links for "Create a job", "Set up a distributed build", "Set up an agent", "Configure a cloud", and "Learn more about distributed builds". The browser's status bar at the bottom shows various open tabs and the current URL.

Nicht sicher 20.83.170.225:81/job/Test/1/

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Jenkins / Test / #1

Status #1 (Feb 2, 2026, 5:17:52 PM)

</> Changes
Console Output
Edit Build Information
Delete build '#1'
Timings
Pipeline Overview
Restart from Stage
Replay
Pipeline Steps
Workspaces

Started by user Vijaya Bhaskar Gagla
This run spent:

- 51 ms waiting;
- 5.8 sec build duration;
- 5.8 sec total from scheduled to completion.

</> No changes.

Jenkins / Test / #1

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Console

```
Started by user Vijaya Bhaskar Gagla
[Pipeline] start of Pipeline
[Pipeline] node
Running on Jenkins in /var/jenkins_home/workspace/Test
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Hello)
[Pipeline] echo
Hello World
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

```
azureuser@vijaya-docker:~$ sudo docker logs my_jenkins
Running from: /usr/share/jenkins/jenkins.war
webroot: /var/jenkins_home/war
2026-02-02 16:47:10.279+0000 [id=1] INFO  winstone.Logger#logInternal: Beginning extraction from war file
2026-02-02 16:47:10.443+0000 [id=1] WARNING o.e.j.e9.nested.ContextHandler#setContextPath: Empty contextPath
2026-02-02 16:47:10.583+0000 [id=1] INFO  org.eclipse.jetty.server.Server#doStart: jetty-12.1.5; built: 2025-12-03T22:18:24.732Z; git: 4905d09d7b6801e
792d7b73946cf7b66e4be25d6; jvm 21.0.9+10-LTS
2026-02-02 16:47:11.725+0000 [id=1] INFO  o.e.j.e.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find org.eclipse.jetty.ee9
.jsp.JettyJspServlet
2026-02-02 16:47:11.864+0000 [id=1] INFO  o.e.j.s.DefaultSessionIdManager#doStart: Session workerName=node0
2026-02-02 16:47:12.876+0000 [id=1] INFO  hudson.WebAppMain#contextInitialized: Jenkins home directory: /var/jenkins_home found at: EnvVars.masterEnvV
ars.get("JENKINS_HOME")
2026-02-02 16:47:13.080+0000 [id=1] INFO  o.e.j.s.handler.ContextHandler#doStart: Started oeje9n.ContextHandler$CoreContextHandler@6d91790b{Jenkins v2
,.541.1,/,b-file:///var/jenkins_home/war/,a=AVAILABLE,h=oeje9n.ContextHandler$CoreContextHandler$CoreToNestedHandler@6e6fce47[STARTED]}
2026-02-02 16:47:13.113+0000 [id=1] INFO  o.e.j.server.AbstractConnector#doStart: Started oejs.serverConnector@7fedfe27{HTTP/1.1, (http/1.1)}{0.0.0.0:
8080}
2026-02-02 16:47:13.116+0000 [id=1] INFO  org.eclipse.jetty.server.Server#doStart: Started oejs.Server@6bcfb05b{STARTING}[12.1.5,st0=0] @2538ms
2026-02-02 16:47:13.119+0000 [id=31] INFO  winstone.Logger#logInternal: Winstone Servlet Engine running: controlPort=disabled
2026-02-02 16:47:13.326+0000 [id=30] INFO  jenkins.model.Jenkins#init: Starting version 2.541.1
2026-02-02 16:47:13.468+0000 [id=38] INFO  jenkins.InitReactorRunner$1#onAttained: Started initialization
2026-02-02 16:47:13.557+0000 [id=38] INFO  jenkins.InitReactorRunner$1#onAttained: Listed all plugins
2026-02-02 16:47:15.644+0000 [id=36] INFO  jenkins.InitReactorRunner$1#onAttained: Prepared all plugins
2026-02-02 16:47:15.653+0000 [id=36] INFO  jenkins.InitReactorRunner$1#onAttained: Started all plugins
2026-02-02 16:47:15.656+0000 [id=39] INFO  jenkins.InitReactorRunner$1#onAttained: Augmented all extensions
2026-02-02 16:47:16.243+0000 [id=39] INFO  jenkins.InitReactorRunner$1#onAttained: System config loaded
2026-02-02 16:47:16.244+0000 [id=36] INFO  jenkins.InitReactorRunner$1#onAttained: System config adapted
2026-02-02 16:47:16.244+0000 [id=36] INFO  jenkins.InitReactorRunner$1#onAttained: Loaded all jobs
2026-02-02 16:47:16.247+0000 [id=38] INFO  jenkins.InitReactorRunner$1#onAttained: Configuration for all jobs updated
2026-02-02 16:47:16.403+0000 [id=37] INFO  jenkins.install.SetupWizard#init:
[LF]>
[LF]> ****
[LF]> ****
[LF]> ****
[LF]> ****
[LF]> Jenkins initial setup is required. An admin user has been created and a password generated.
[LF]> Please use the following password to proceed to installation:
[LF]>
[LF]> 161b22aaa04e40eaaf25ff86b9c8b7a9
[LF]>
[LF]> This may also be found at: /var/jenkins_home/secrets/initialAdminPassword
[LF]>
```