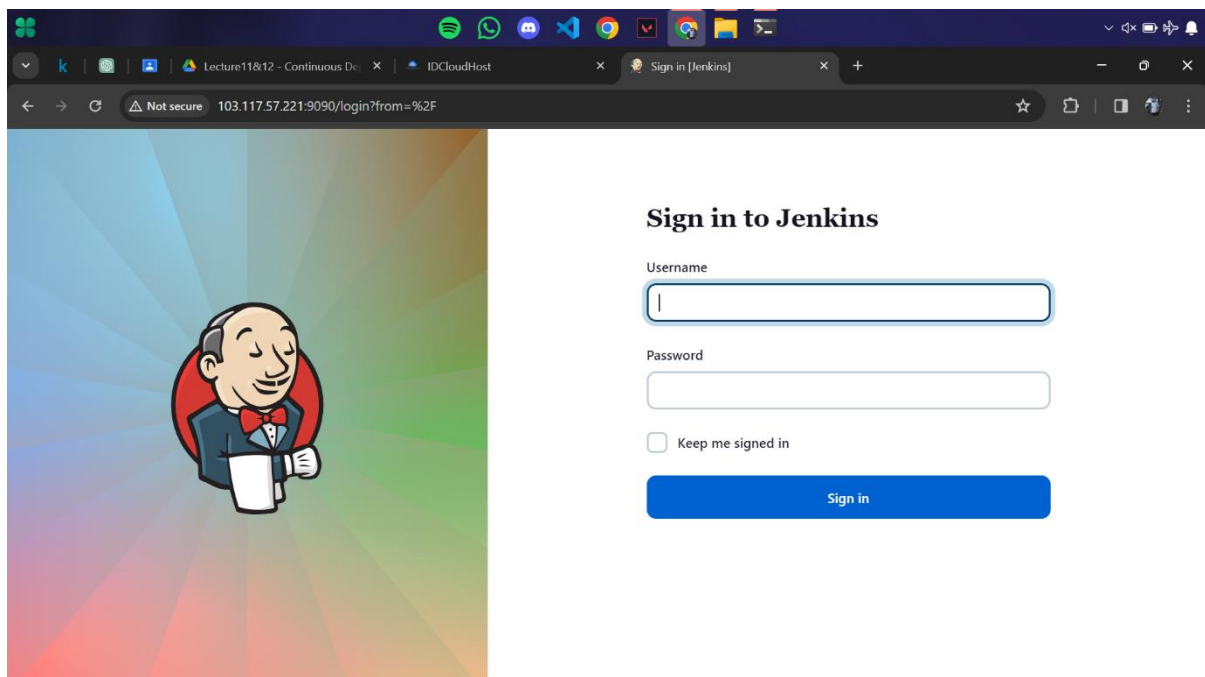


Automated message using Jenkins adalah sebuah proses otomatisasi dari pesan yang akan dikirim yang ada dalam SDLC dimana proses itu menggunakan CI/CD untuk membuat pengotomatisasi memiliki kualitas, keamanan, dan stabilitas maupun untuk mengurangi resiko terjadi sebuah bug.

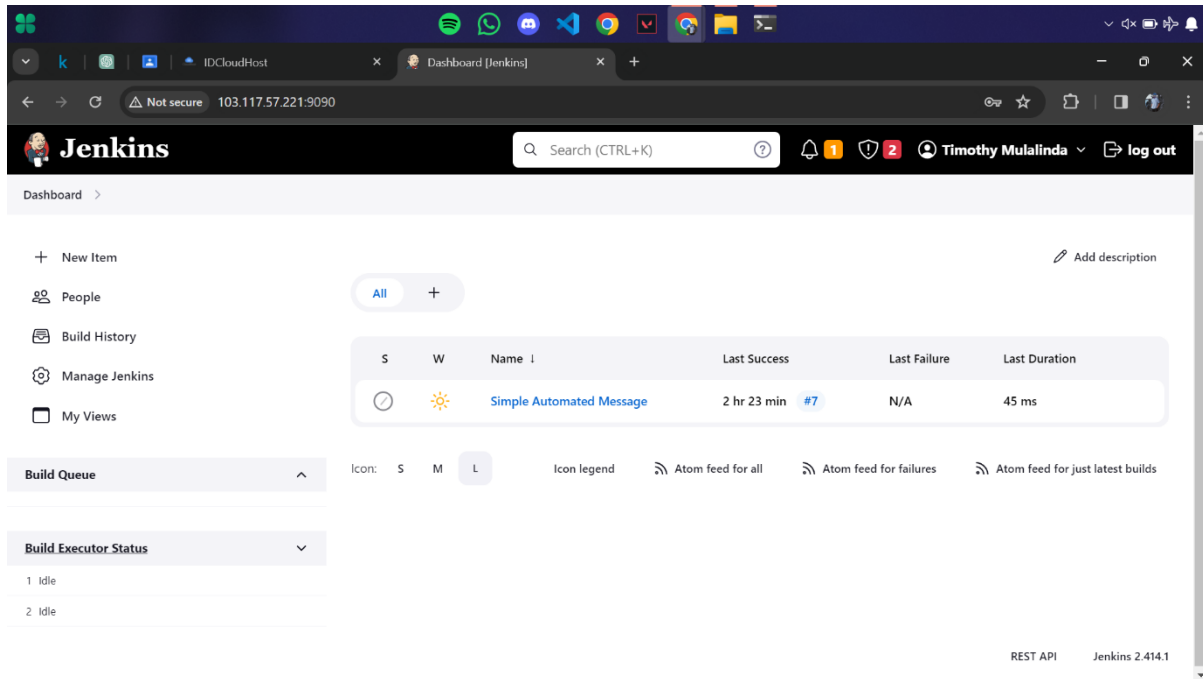
- **RUN JENKINS**

```
root@mot-server: /home/mo x + v
2024-02-22 06:50:47.443+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: jetty-10.0.15; built: 2023-04-11T17:25:14.48
0Z; git: 68017dbd00236bb7e18733bd7585a059610f661d; jvm 11.0.21+9-post-Ubuntu-0ubuntu122.04
2024-02-22 06:50:49.854+0000 [id=1] INFO o.e.j.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find
org.eclipse.jetty.jsp.JettyJspServlet
2024-02-22 06:50:50.011+0000 [id=1] INFO o.e.j.s.DefaultSessionIdManager#doStart: Session workerName=node0
2024-02-22 06:50:51.277+0000 [id=1] INFO hudson.WebAppMain#contextInitialized: Jenkins home directory: /root/.jenkins found at
: $user.home/.jenkins
2024-02-22 06:50:51.967+0000 [id=1] INFO o.e.j.s.handler.ContextHandler#doStart: Started w.@600b0b7{Jenkins v2.414.1/,file://
/root/.jenkins/war/,AVAILABLE}{/root/.jenkins/war}
2024-02-22 06:50:52.019+0000 [id=1] INFO o.e.j.server.AbstractConnector#doStart: Started ServerConnector@3e77aled{HTTP/1.1,(h
ttp/1.1)}{0.0.0.0:9090}
2024-02-22 06:50:52.091+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: Started Server@51b7e5df{STARTING}[10.0.15,st
o=0] @8535ms
2024-02-22 06:50:52.095+0000 [id=23] INFO winstone.Logger#logInternal: Winstone Servlet Engine running: controlPort=disabled
2024-02-22 06:50:52.837+0000 [id=29] INFO jenkins.InitReactorRunner$1#onAttained: Started initialization
2024-02-22 06:50:52.852+0000 [id=29] INFO jenkins.InitReactorRunner$1#onAttained: Listed all plugins
2024-02-22 06:50:54.818+0000 [id=30] INFO jenkins.InitReactorRunner$1#onAttained: Prepared all plugins
2024-02-22 06:50:54.826+0000 [id=29] INFO jenkins.InitReactorRunner$1#onAttained: Started all plugins
2024-02-22 06:50:54.845+0000 [id=30] INFO jenkins.InitReactorRunner$1#onAttained: Augmented all extensions
2024-02-22 06:50:55.657+0000 [id=28] INFO jenkins.InitReactorRunner$1#onAttained: System config loaded
2024-02-22 06:50:55.659+0000 [id=29] INFO jenkins.InitReactorRunner$1#onAttained: System config adapted
2024-02-22 06:50:55.805+0000 [id=28] INFO jenkins.InitReactorRunner$1#onAttained: Loaded all jobs
2024-02-22 06:50:55.808+0000 [id=28] INFO jenkins.InitReactorRunner$1#onAttained: Configuration for all jobs updated
WARNING: An illegal reflective access operation has occurred
WARNING: Illegal reflective access by org.codehaus.groovy.vmplugin.v7.Java7$1 (file:/root/.jenkins/war/WEB-INF/lib/groovy-all-2.4.21.
jar) to constructor java.lang.invoke.MethodHandles$Lookup(java.lang.Class,int)
WARNING: Please consider reporting this to the maintainers of org.codehaus.groovy.vmplugin.v7.Java7$1
WARNING: Use --illegal-access=warn to enable warnings of further illegal reflective access operations
WARNING: All illegal access operations will be denied in a future release
2024-02-22 06:50:56.436+0000 [id=28] INFO jenkins.InitReactorRunner$1#onAttained: Completed initialization
2024-02-22 06:50:56.612+0000 [id=22] INFO hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up and running
```

- **SIGN IN TO JENKINS**



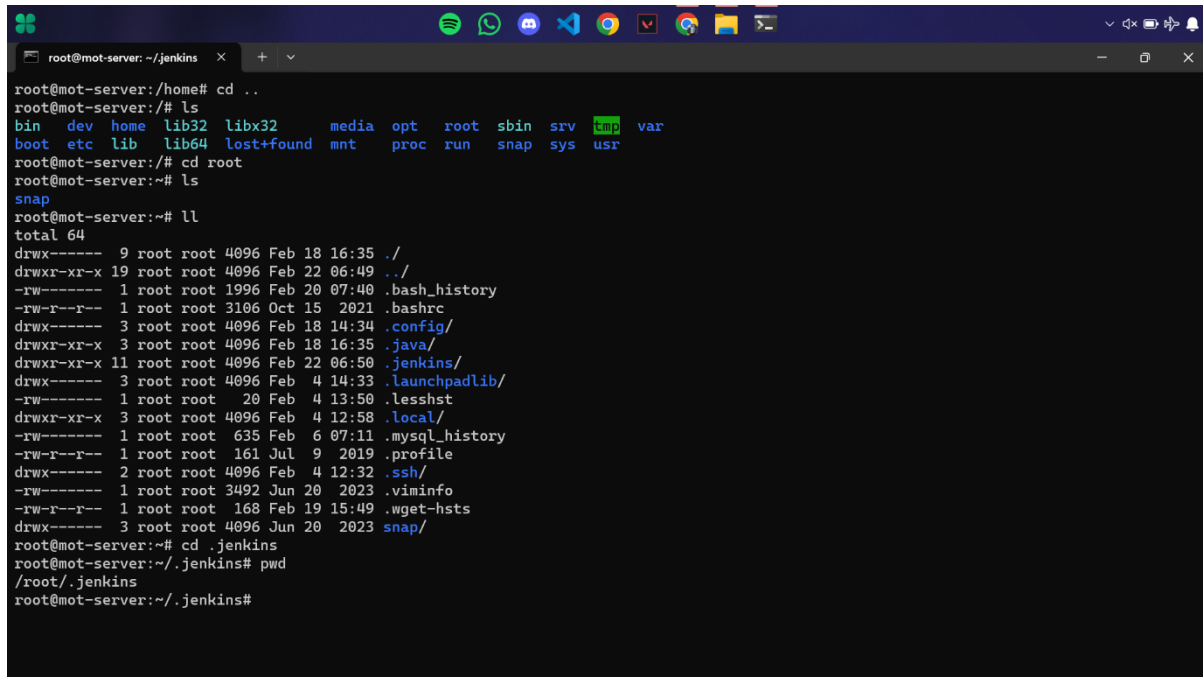
## • DASHBOARD JENKINS



The screenshot shows the Jenkins Dashboard in a web browser. The browser's address bar displays "103.117.57.221:9090". The Jenkins logo and name are at the top left, with a search bar and user profile "Timothy Mulalinda" at the top right. The dashboard includes a sidebar with links: "New Item", "People", "Build History", "Manage Jenkins", and "My Views". The main content area shows a table of builds. The first build is "Simple Automated Message" with a status of "Success" (S), a duration of "2 hr 23 min", and a last success time of "#7". Below the table, there are sections for "Build Queue" (showing 1 idle) and "Build Executor Status" (showing 2 idle). At the bottom right, it says "REST API" and "Jenkins 2.414.1".

S	W	Name	Last Success	Last Failure	Last Duration
🕒	☀️	Simple Automated Message	2 hr 23 min #7	N/A	45 ms

## • JENKINS DATA



The screenshot shows a terminal window with the following commands and output:

```
root@mot-server:~/jenkins$ cd ..
root@mot-server:/# ls
bin  dev  home  lib32  libx32  media  opt  root  sbin  srv  tmp  var
boot  etc  lib  lib64  lost+found  mnt  proc  run  snap  sys  usr
root@mot-server:/# cd root
root@mot-server:~# ls
snap
root@mot-server:~# ll
total 64
drwx----- 9 root root 4096 Feb 18 16:35 ./
drwxr-xr-x 19 root root 4096 Feb 22 06:49 ../
-rw----- 1 root root 1996 Feb 20 07:40 .bash_history
-rw-r--r-- 1 root root 3106 Oct 15 2021 .bashrc
drwx----- 3 root root 4096 Feb 18 14:34 .config/
drwxr-xr-x 3 root root 4096 Feb 18 16:35 .java/
drwxr-xr-x 11 root root 4096 Feb 22 06:50 .jenkins/
drwx----- 3 root root 4096 Feb 4 14:33 .launchpadlib/
-rw----- 1 root root 20 Feb 4 13:50 .lessht
drwxr-xr-x 3 root root 4096 Feb 4 12:58 .local/
-rw----- 1 root root 635 Feb 6 07:11 .mysql_history
-rw-r--r-- 1 root root 161 Jul 9 2019 .profile
drwx----- 2 root root 4096 Feb 4 12:32 .ssh/
-rw----- 1 root root 3492 Jun 20 2023 .viminfo
-rw-r--r-- 1 root root 168 Feb 19 15:49 .wget-hsts
drwx----- 3 root root 4096 Jun 20 2023 .snap/
root@mot-server:~# cd .jenkins
root@mot-server:~/.jenkins# pwd
/root/.jenkins
root@mot-server:~/.jenkins#
```

- **CREATE JOB**

Dashboard > All >

**Enter an item name**

Simple Automated Message

*» Required field*

**Freestyle project**  
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.

OK

REST API    Jenkins 2.414.1

- **KONFIGURASI JOB**

Dashboard > Simple Automated Message > Configuration

**Configure**

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

☐ Build after other projects are built ?

☐ Build periodically ?

☐ Poll SCM ?

**Build Steps**

**Execute shell** ?

Command

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

```
echo "Hallo, ini adalah pesan sederhana dari Class DevOps !!! "
```

Save    Apply

## • KONFIGURASI JOB (2)

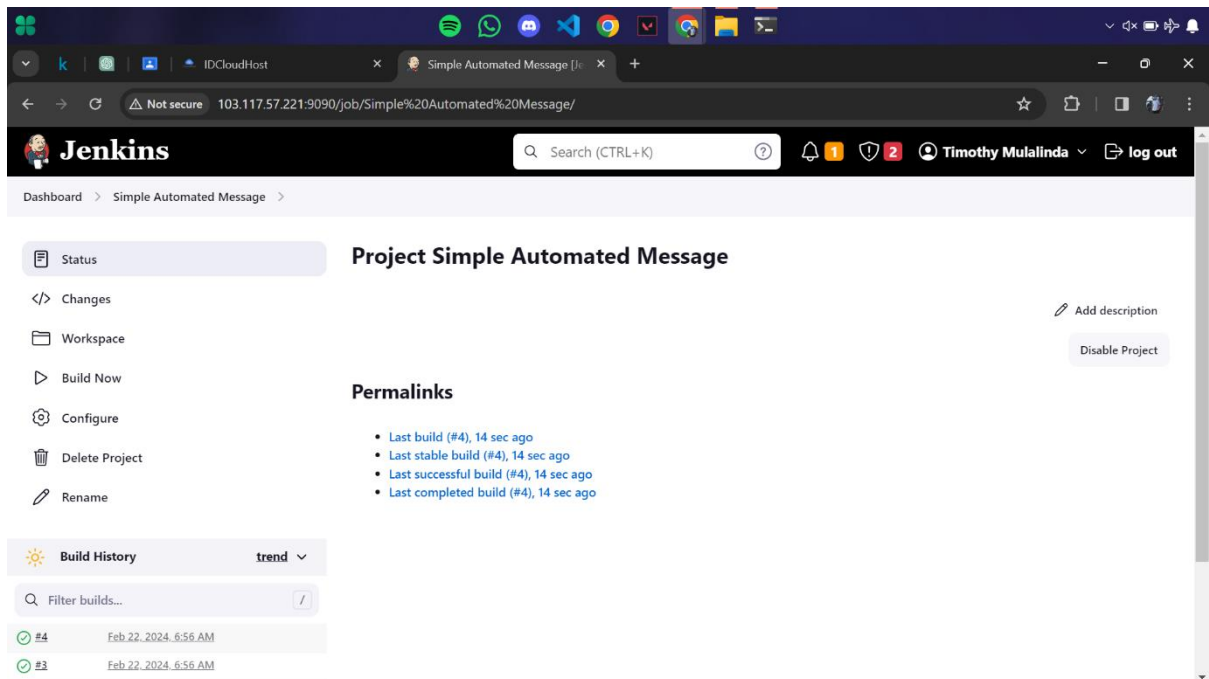
The screenshot shows the Jenkins 'Configure' page for a job named 'Simple Automated Message'. The left sidebar contains a menu with 'General', 'Source Code Management', 'Build Triggers', 'Build Steps', and 'Post-build Actions'. The 'Build Triggers' tab is selected. Under 'Build Triggers', the 'Build periodically' checkbox is checked, and the 'Schedule' field contains the cron expression `*/* 2 * * *`. A warning message states: 'Spread load evenly by using `"H/2 * * *"` rather than `"*/2 * * *"`'. Below this, the 'Poll SCM' checkbox is unchecked. The 'Build Steps' section is empty. At the bottom, there are 'Save' and 'Apply' buttons.

## • RUN JOB JENKINS

The screenshot shows the Jenkins Dashboard. The top navigation bar includes the Jenkins logo, a search bar, and a user profile for 'Timothy Mulalinda' with a 'log out' button. The left sidebar has a 'New Item' button and a list of links: 'People', 'Build History', 'Manage Jenkins', and 'My Views'. The main content area displays a table of jobs. The table has columns for 'S' (Status), 'W' (Weather icon), 'Name', 'Last Success', 'Last Failure', and 'Last Duration'. One job is listed: 'Simple Automated Message' with a status of 'Success' (green checkmark), a weather icon, and a duration of '56 ms'. Below the table, there is a 'Build Queue' section showing 1 idle executor and a 'Build Executor Status' section showing 2 idle executors. At the bottom right, the text 'REST API Jenkins 2.414.1' is visible.

S	W	Name	Last Success	Last Failure	Last Duration
✓	☀	Simple Automated Message	0.73 sec #4	N/A	56 ms

## • VIEW JOB JENKINS OUTPUT



**Jenkins** Search (CTRL+K) Timothy Mulalinda log out

Dashboard > Simple Automated Message >

**Project Simple Automated Message**

Add description  
Disable Project

**Permalinks**

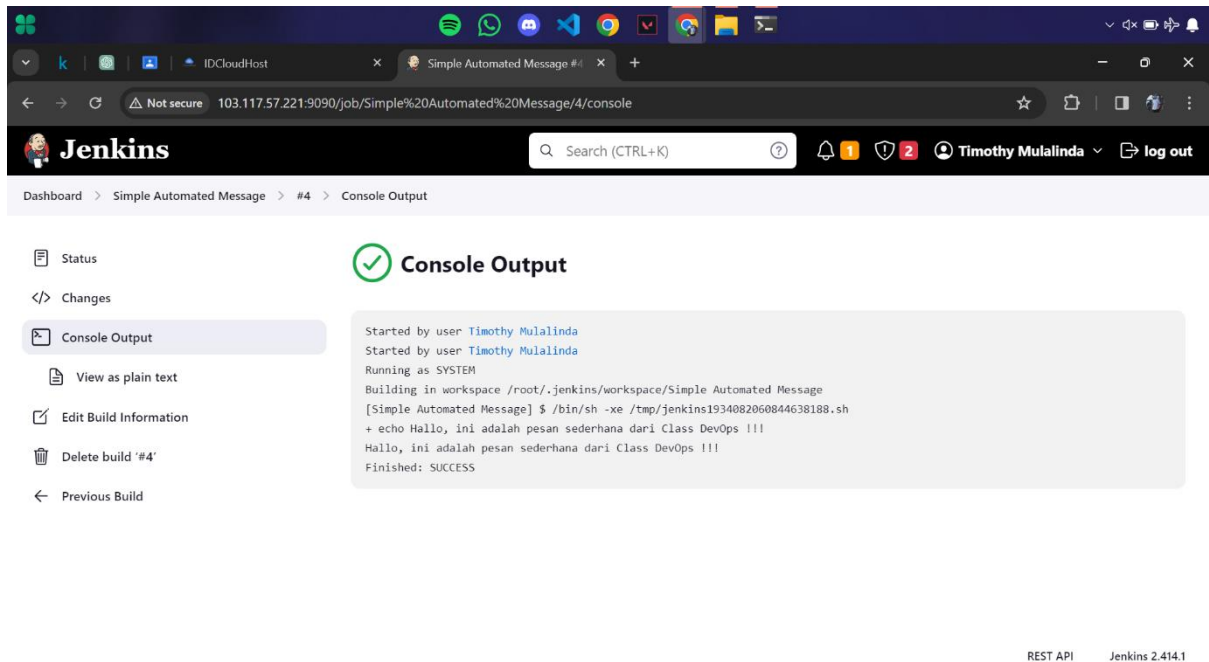
- Last build (#4), 14 sec ago
- Last stable build (#4), 14 sec ago
- Last successful build (#4), 14 sec ago
- Last completed build (#4), 14 sec ago

**Build History** trend

Filter builds...

Status	Build Number	Timestamp
Success	#4	Feb 22, 2024, 6:56 AM
Success	#3	Feb 22, 2024, 6:56 AM

## • CONSOLE OUTPUT



**Jenkins** Search (CTRL+K) Timothy Mulalinda log out

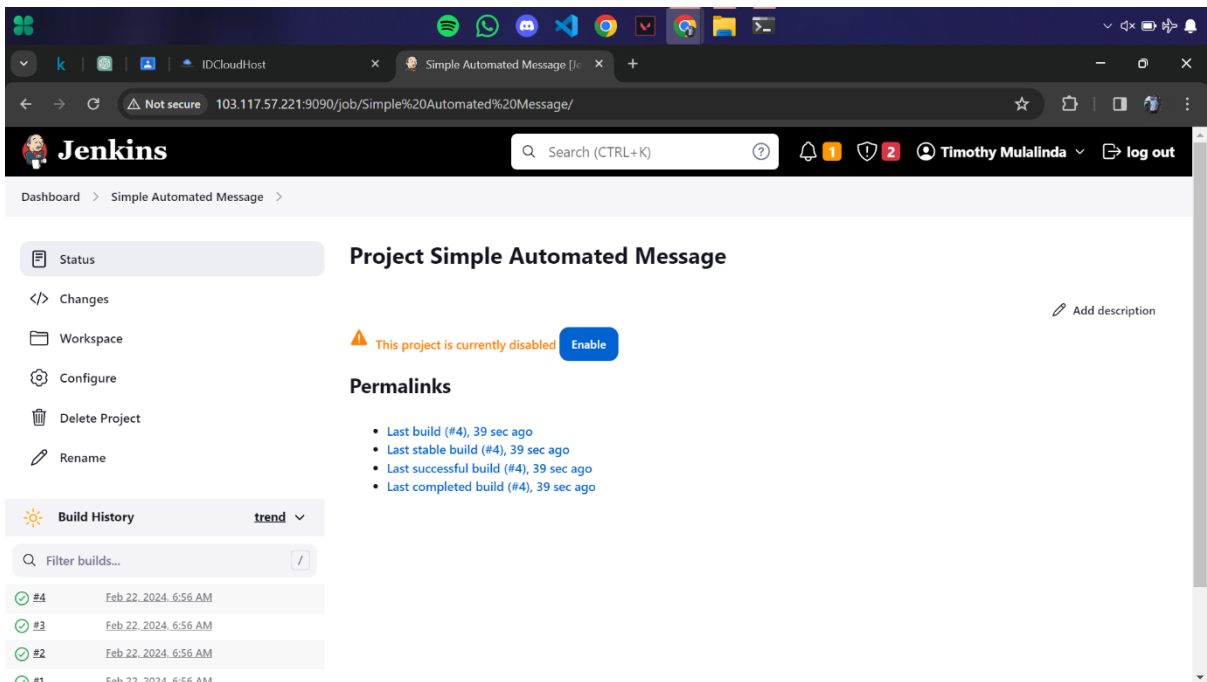
Dashboard > Simple Automated Message > #4 > Console Output

**Console Output**

Started by user Timothy Mulalinda  
Started by user Timothy Mulalinda  
Running as SYSTEM  
Building in workspace /root/.jenkins/workspace/Simple Automated Message  
[Simple Automated Message] \$ /bin/sh -xe /tmp/jenkins1934082060844638188.sh  
+ echo Hallo, ini adalah pesan sederhana dari Class DevOps !!!  
Hallo, ini adalah pesan sederhana dari Class DevOps !!!  
Finished: SUCCESS

REST API Jenkins 2.414.1

## • DISABLE JOB



The screenshot shows the Jenkins web interface for a project named 'Simple Automated Message'. The project is currently disabled, as indicated by a yellow warning triangle and the text 'This project is currently disabled' with an 'Enable' button. The left sidebar contains navigation links: Status, Changes, Workspace, Configure, Delete Project, and Rename. The 'Build History' section shows a list of builds, all of which are successful and completed at 6:56 AM on Feb 22, 2024. The 'Permalinks' section provides links to the last build, last stable build, last successful build, and last completed build, all of which are build #4.

**Project Simple Automated Message**

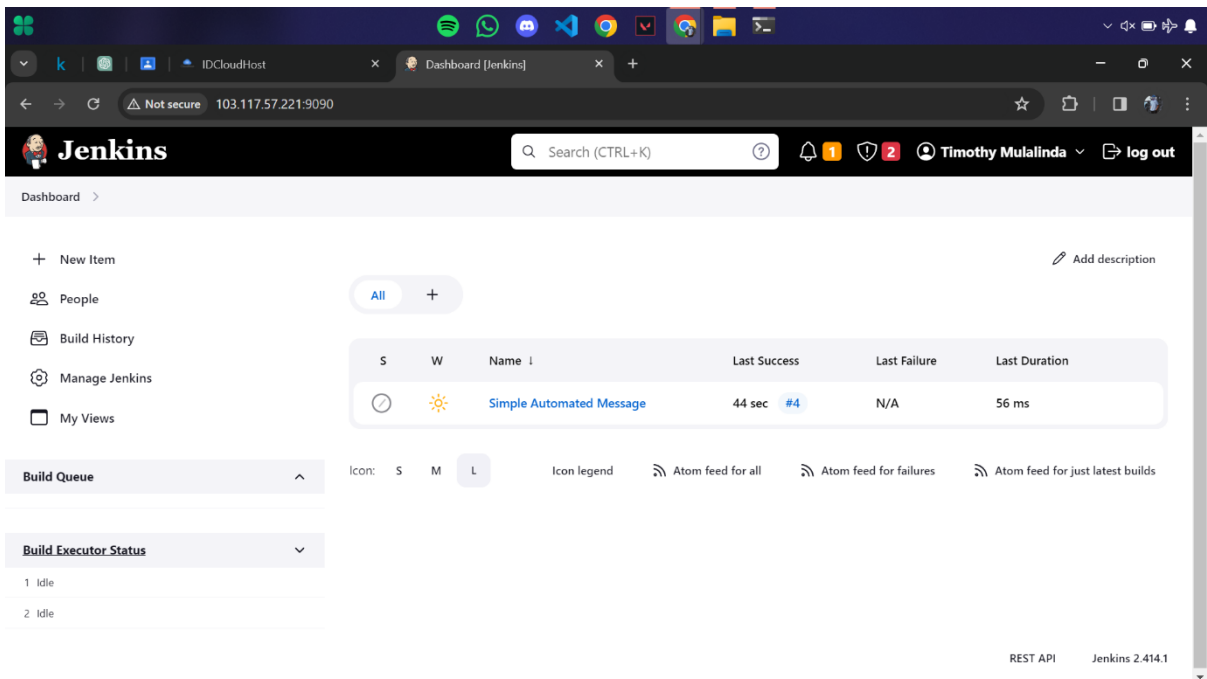
This project is currently disabled [Enable](#)

**Permalinks**

- Last build (#4), 39 sec ago
- Last stable build (#4), 39 sec ago
- Last successful build (#4), 39 sec ago
- Last completed build (#4), 39 sec ago

**Build History** trend

Build	Time
#4	Feb 22, 2024, 6:56 AM
#3	Feb 22, 2024, 6:56 AM
#2	Feb 22, 2024, 6:56 AM
#1	Feb 22, 2024, 6:56 AM



The screenshot shows the Jenkins Dashboard. The 'Simple Automated Message' job is listed in the 'Build Queue' section. The job is currently in the 'Queue' state, as indicated by the 'S' icon. The 'Build Queue' section shows the job's status and duration. The 'Build Executor Status' section shows that there are 2 idle executors available.

**Dashboard**

**Build Queue**

S	W	Name	Last Success	Last Failure	Last Duration
🕒	☀️	Simple Automated Message	44 sec #4	N/A	56 ms

**Build Executor Status**

Executor	Status
1	Idle
2	Idle