

Jenkins Pipeline to Deploy Docker Swarm SS.

The screenshot shows the AWS Management Console interface. On the left, there's a sidebar with navigation options like 'EC2 Dashboard', 'Events', 'Tags', 'Limits', and 'Instances'. The main area displays the 'Instances (1/1) Info' page. A table lists the instance 'JenkinsInstance-2' with ID 'i-0df59200f25d76028', state 'Running', type 't2.micro', and public IP 'ec2-44-203-180-54'. Below the table, the 'Instance: i-0df59200f25d76028 (JenkinsInstance-2)' details are shown, including its public IP address, instance state, hostname type, and private IP address.

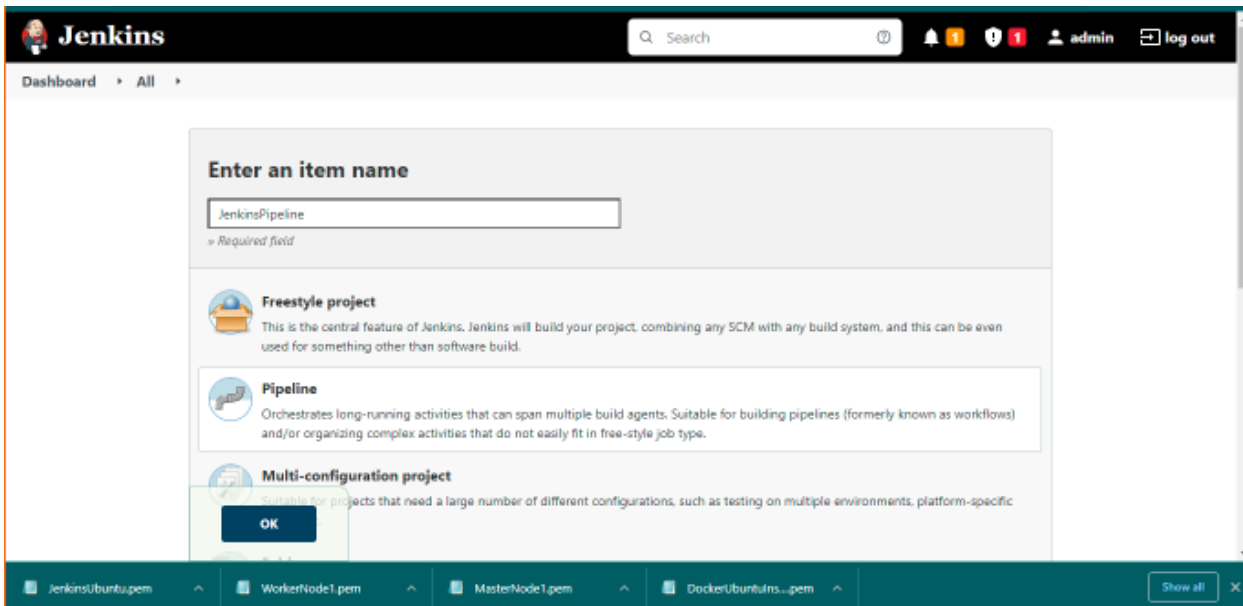
Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
JenkinsInstance-2	i-0df59200f25d76028	Running	t2.micro	2/2 checks passed	No alarms	us-east-1d	ec2-44-203-180-54.compute-1.amazonaws.com

Instance: i-0df59200f25d76028 (JenkinsInstance-2)

Details	Security	Networking	Storage	Status checks	Monitoring	Tags
Instance summary Instance ID: i-0df59200f25d76028 (JenkinsInstance-2) IPv6 address: - Hostname type: IP name: ip-172-31-95-134.ec2.internal Answer private resource DNS name: IPv4 (A)	Public IPv4 address: 44.203.180.54 open address Instance state: Running Private IP DNS name (IPv4 only): ip-172-31-95-134.ec2.internal Instance type: t2.micro	Private IPv4 addresses: 172.31.95.134 Public IPv4 DNS: ec2-44-203-180-54.compute-1.amazonaws.com open address Elastic IP addresses: -				

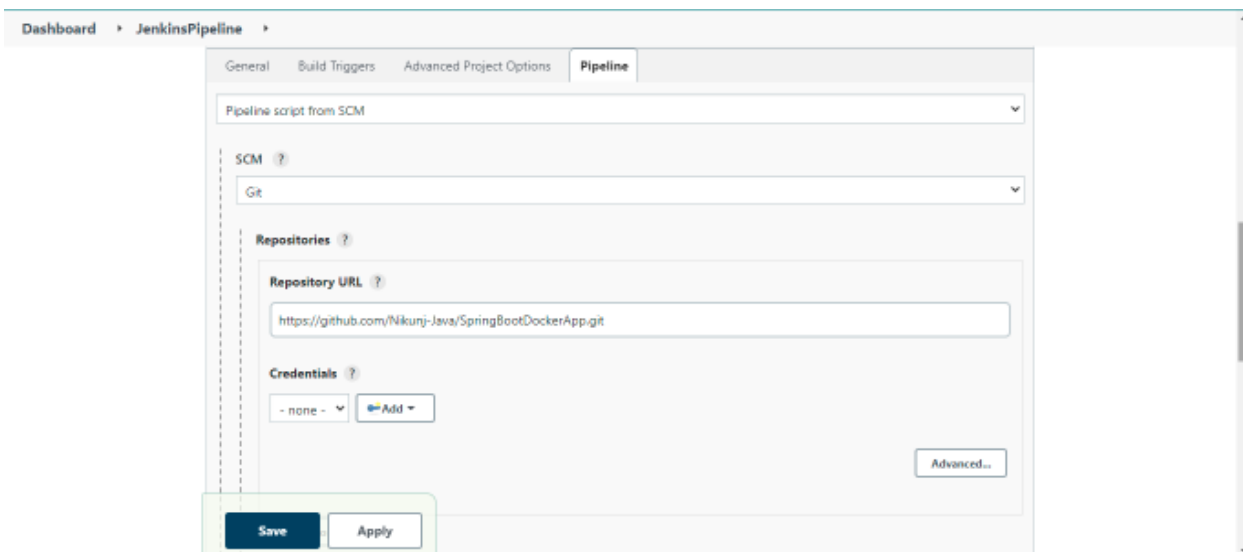
The screenshot shows a terminal window on an Ubuntu instance. The user is running a series of commands to install Jenkins and Docker. The output shows that Jenkins is already installed and up-to-date, and Docker is being installed. The user also sets the initial admin password for Jenkins.

```
ubuntu@ip-172-31-95-134:~$ java -version
openjdk version "11.0.16" 2022-07-19
OpenJDK Runtime Environment (build 11.0.16+8-post-Ubuntu-0ubuntu122.04)
OpenJDK 64-Bit Server VM (build 11.0.16+8-post-Ubuntu-0ubuntu122.04, mixed mode, sharing)
ubuntu@ip-172-31-95-134:~$ sudo apt-get install openjdk-8-jdk
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
openjdk-8-jdk is already the newest version (8u342-b07-0ubuntu1~22.04).
0 upgraded, 0 newly installed, 0 to remove and 45 not upgraded.
ubuntu@ip-172-31-95-134:~$ java -version
openjdk version "11.0.16" 2022-07-19
OpenJDK Runtime Environment (build 11.0.16+8-post-Ubuntu-0ubuntu122.04)
OpenJDK 64-Bit Server VM (build 11.0.16+8-post-Ubuntu-0ubuntu122.04, mixed mode, sharing)
ubuntu@ip-172-31-95-134:~$ sudo apt-get update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 https://download.docker.com/linux/ubuntu jammy InRelease
Ign:5 https://pkg.jenkins.io/debian-stable binary/ InRelease
Hit:6 https://pkg.jenkins.io/debian-stable binary/ Release
Hit:7 https://security.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
ubuntu@ip-172-31-95-134:~$ sudo apt-get install jenkins
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
jenkins is already the newest version (2.361.2).
0 upgraded, 0 newly installed, 0 to remove and 45 not upgraded.
ubuntu@ip-172-31-95-134:~$ sudo service jenkins start
ubuntu@ip-172-31-95-134:~$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword
9623d49663844cf4a771ce452f267b9
ubuntu@ip-172-31-95-134:~$
```



Select pipeline project

Link: <https://github.com/Nikunj-Java/SpringBootDockerApp.git>



Save it click on build now

If you are getting permission denied error in build

Run below code:

```
sudo chmod 777 /var/run/docker.sock
```

click on Build Now

The screenshot shows the Jenkins web interface for a pipeline named "Pipeline JenkinsPipeline". The left sidebar contains navigation options: Status, Changes, Build Now, Configure, Delete Pipeline, Full Stage View, Rename, and Pipeline Syntax. The main content area displays the "Stage View" with a table showing stage times for "Checkout Source Code" (1s) and "Build" (12min 52s). Below this, a "Build History" section shows a list of builds, with the most recent build (#1) dated Oct 7, 2022, 7:01 AM. The "Permalinks" section is also visible at the bottom.

Stage	Average stage times
Checkout Source Code	1s
Build	12min 52s

Build #	Date	Status
#1	Oct 7, 2022, 7:01 AM	No Changes

Goto moba xterm and run below code

Sudo docker images