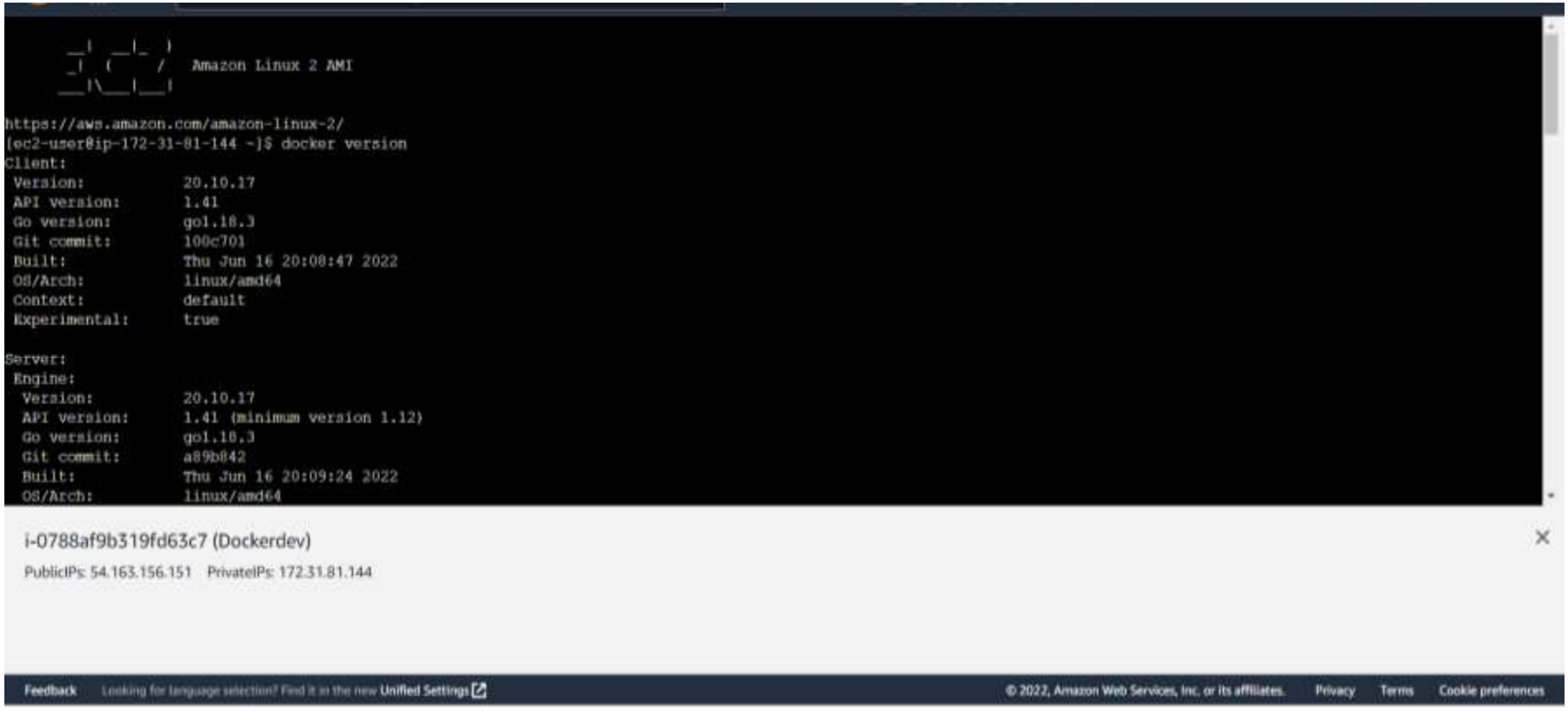
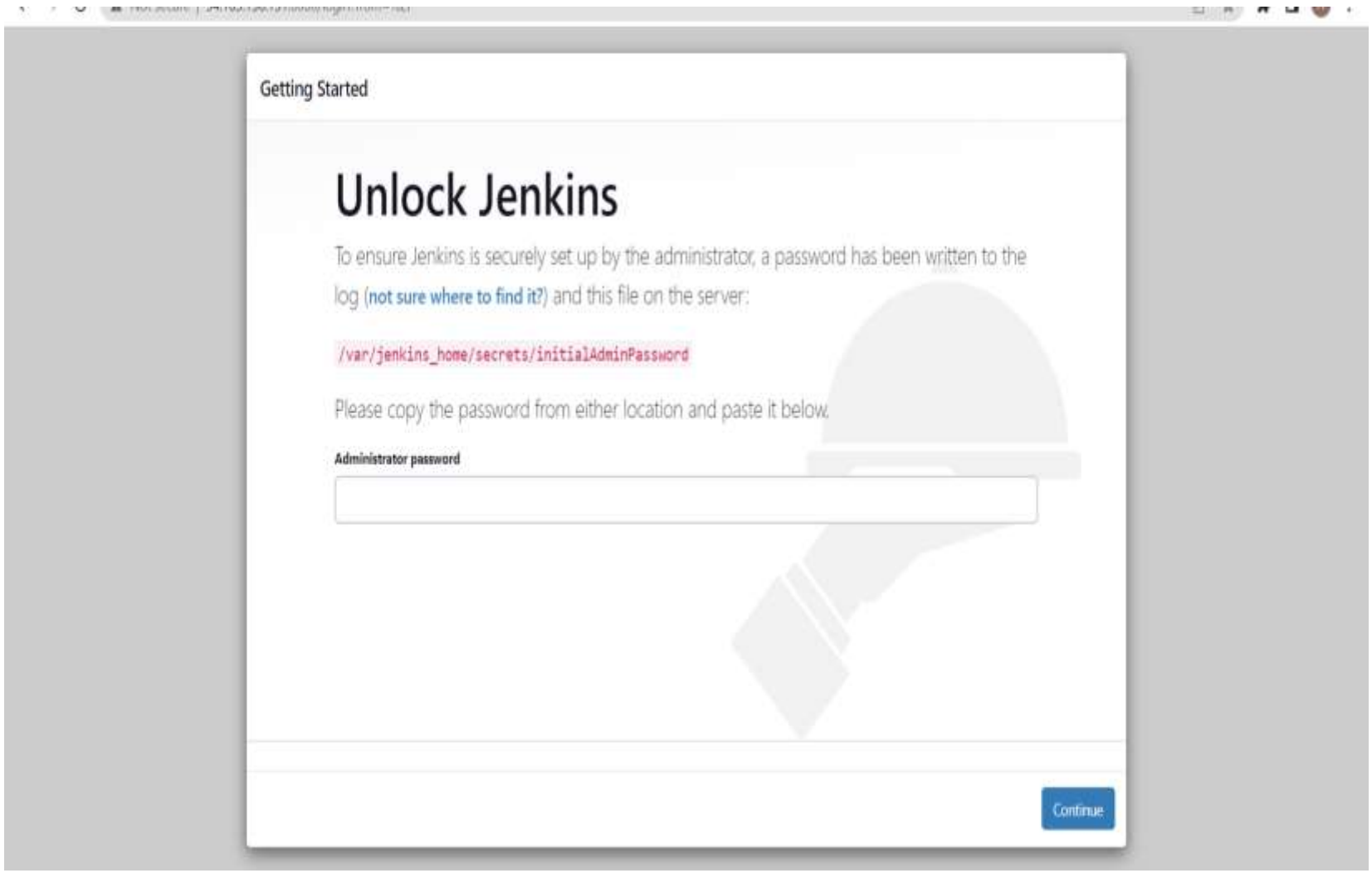
Setting Up Jenkins Pipeline to Deploy Docker Swarm

Output

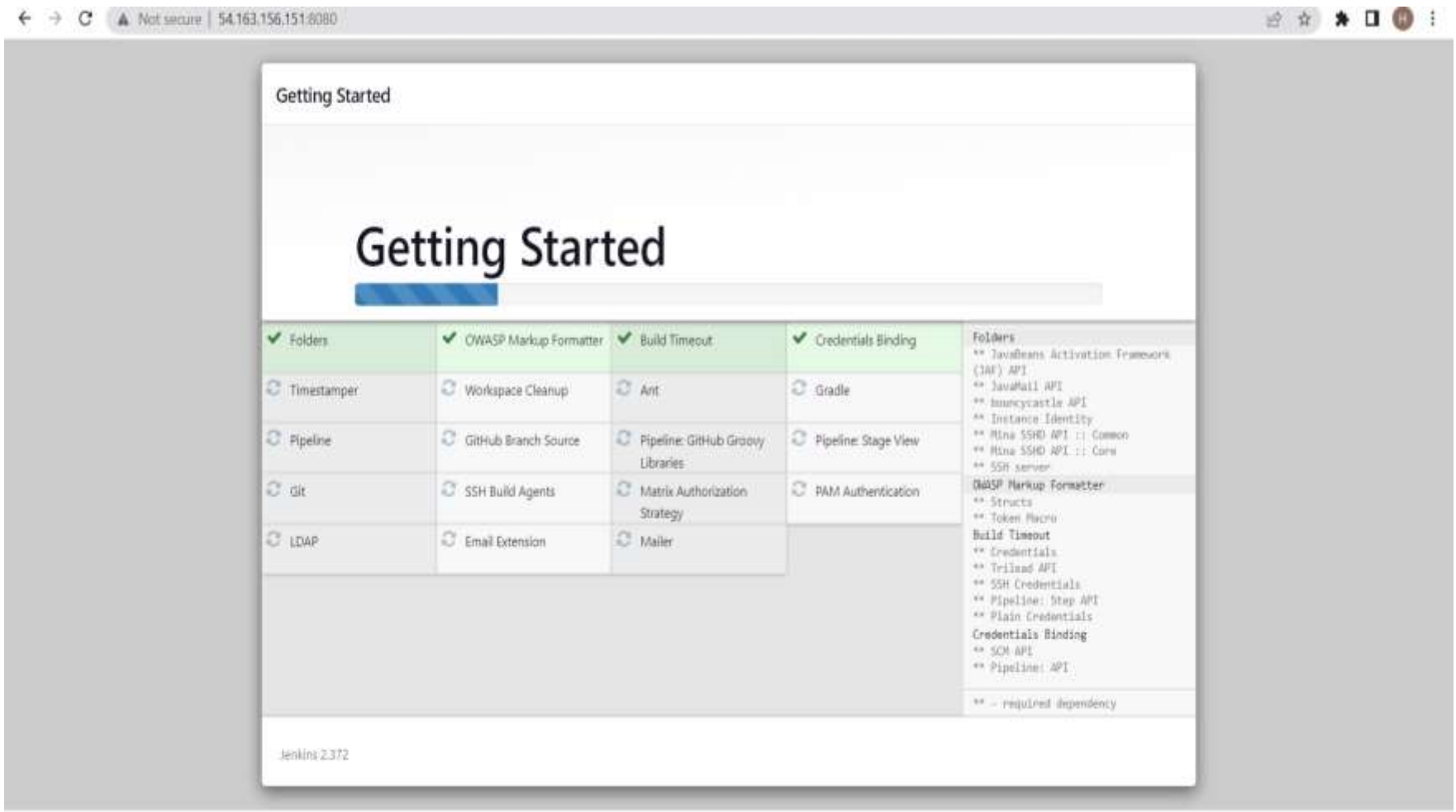
Jenkins setup

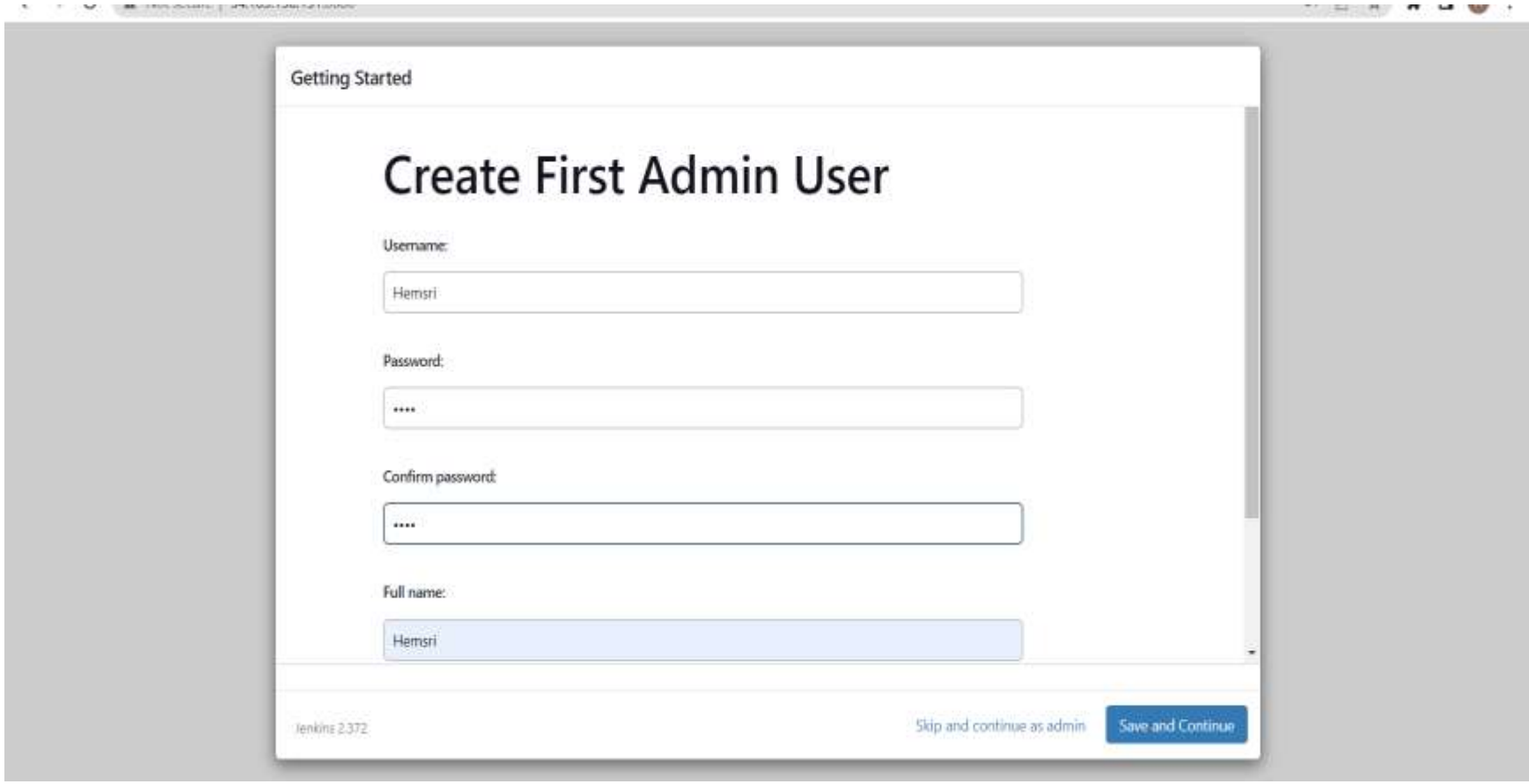


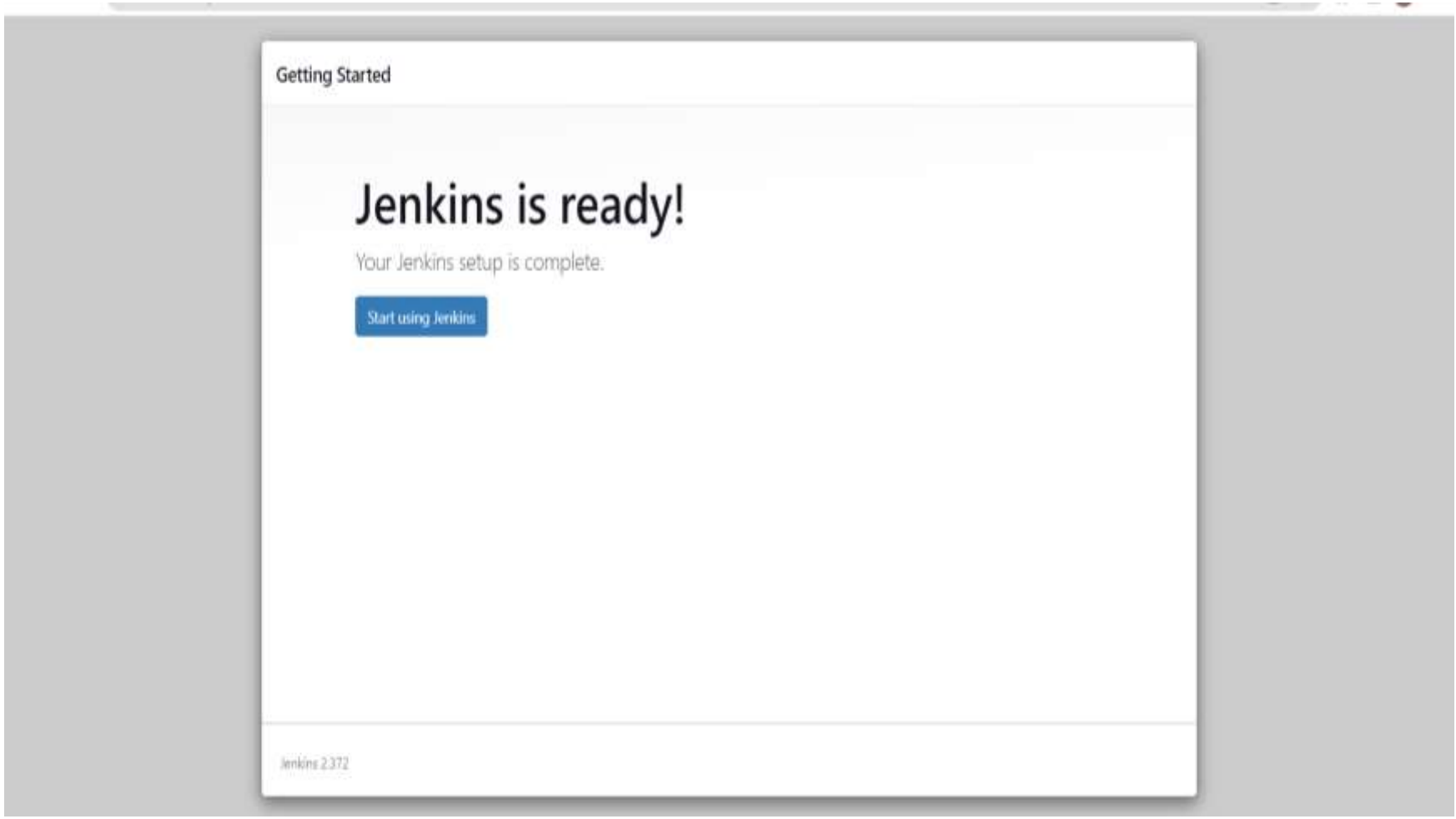

Getting Started
Unlock Jenkins
To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:
/var/jenkins_home/secrets/initialAdminPassword
Please copy the password from either location and paste it below.
Administrator password
Continue

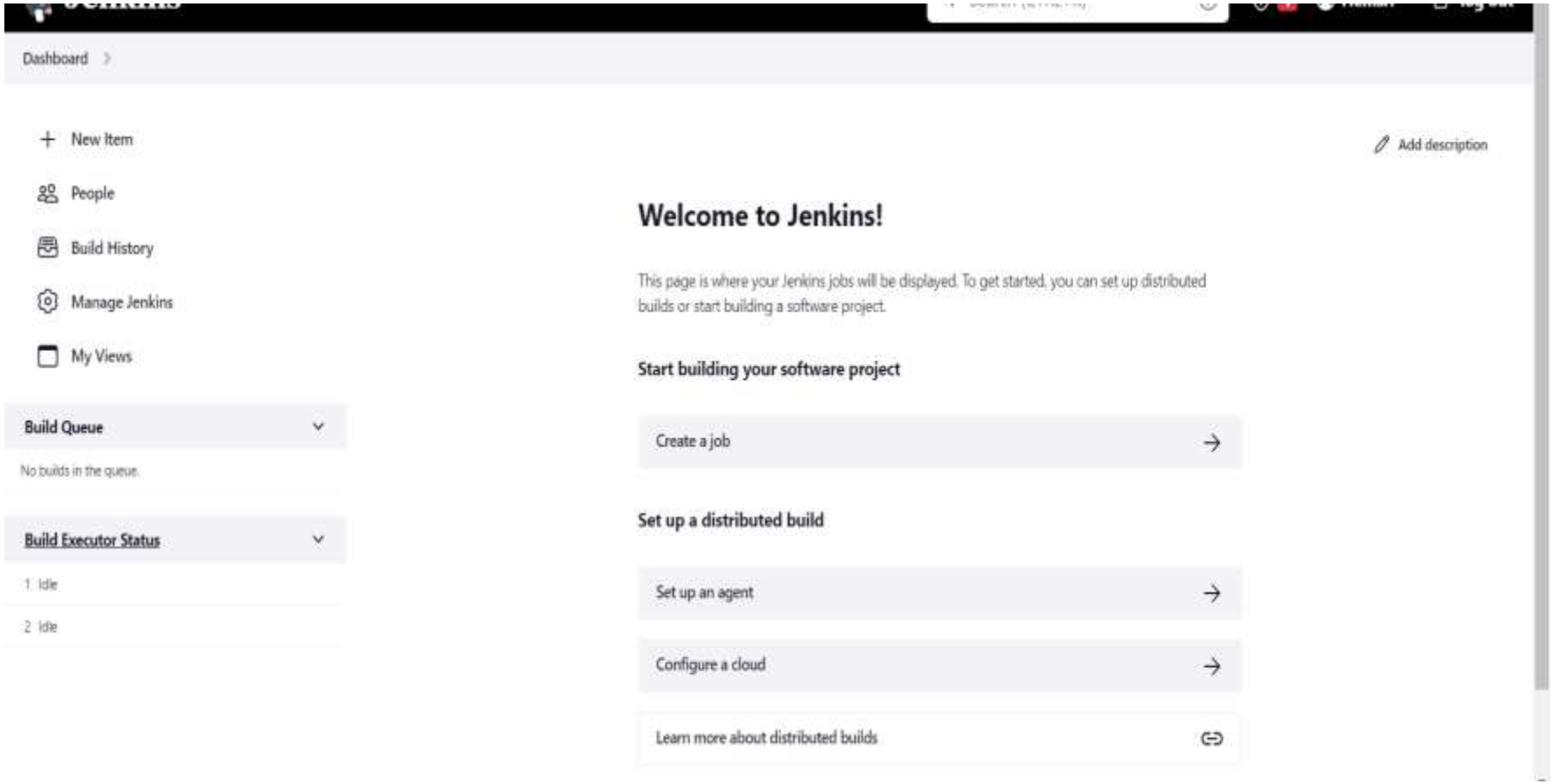

Not secure | 54.163.156.151:8080/login?from=%2F
Getting Started
Unlock Jenkins
To ensure Jenkins is securely set up by the administrator, a password has been written to the log (not sure where to find it?) and this file on the server:
/var/jenkins_home/secrets/initialAdminPassword
Please copy the password from either location and paste it below.
Administrator password
Continue


Not secure | 54.163.156.151:8080
Getting Started
Customize Jenkins
Plugins extend Jenkins with additional features to support many different needs.
Install suggested plugins
Install plugins the Jenkins community finds most useful.
Select plugins to install
Select and install plugins most suitable for your needs.
Jenkins 2.372
54.163.156.151:8080/#

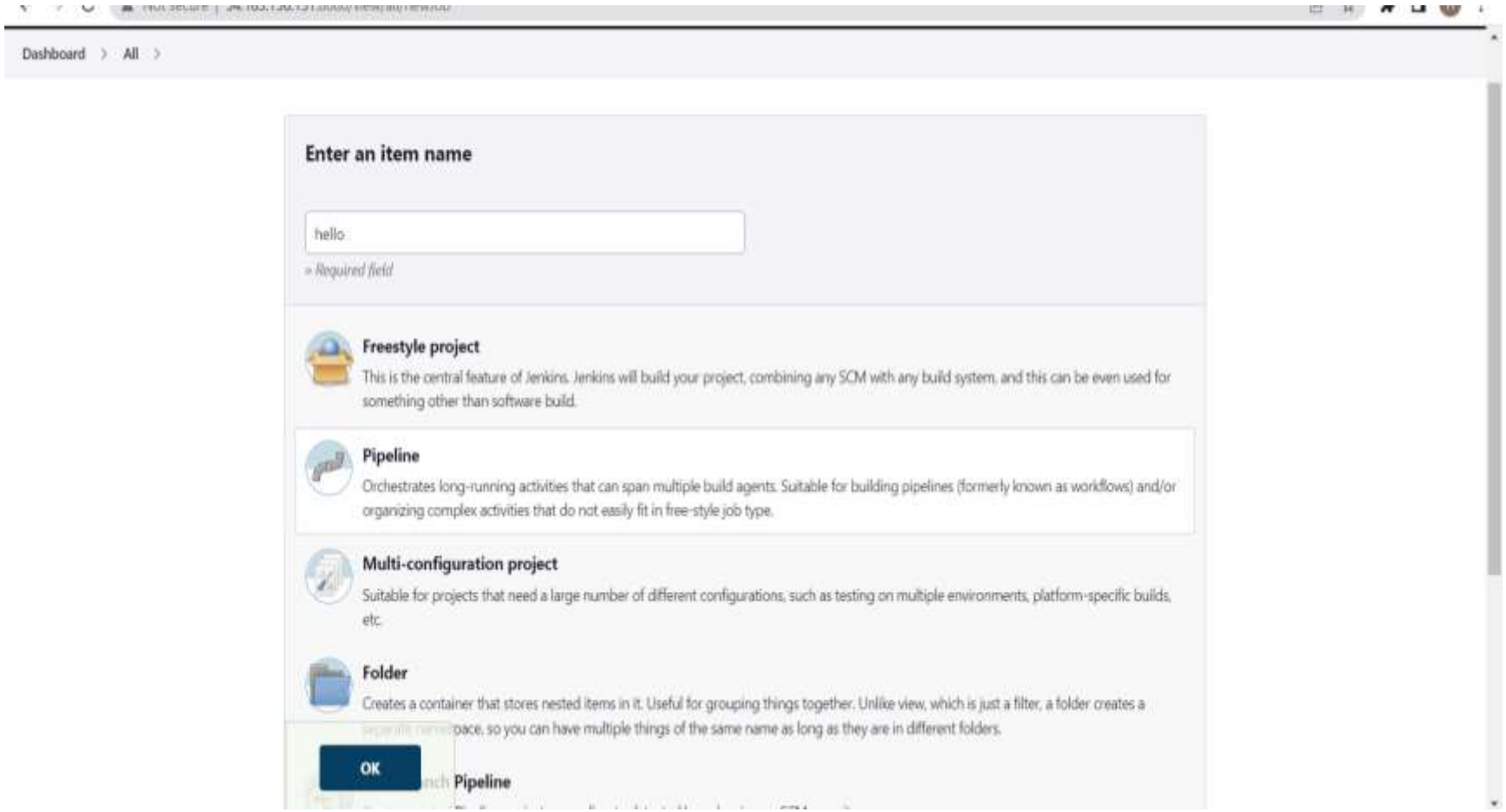

Not secure | 54.163.156.151:8080
Getting Started
Getting Started
Folders
OWASP Markup Formatter
Build Timeout
Credentials Binding
Timestamper
Workspace Cleanup
Ant
Gradle
Pipeline
GitHub Branch Source
Pipeline: GitHub Groovy Libraries
Pipeline: Stage View
Git
SSH Build Agents
Matrix Authorization Strategy
PAM Authentication
LDAP
Email Extension
Mailer
Folders
** JavaBeans Activation Framework (JAF) API
** JavaMail API
** bouncycastle API
** Instance Identity
** Mina SSHD API :: Common
** Mina SSHD API :: Core
** SSH server
OWASP Markup Formatter
** Structs
** Token Macro
Build Timeout
** Credentials
** Trilead API
** SSH Credentials
** Pipeline: Step API
** Plain Credentials
Credentials Binding
** SCM API
** Pipeline: API
** - required dependency
Jenkins 2.372

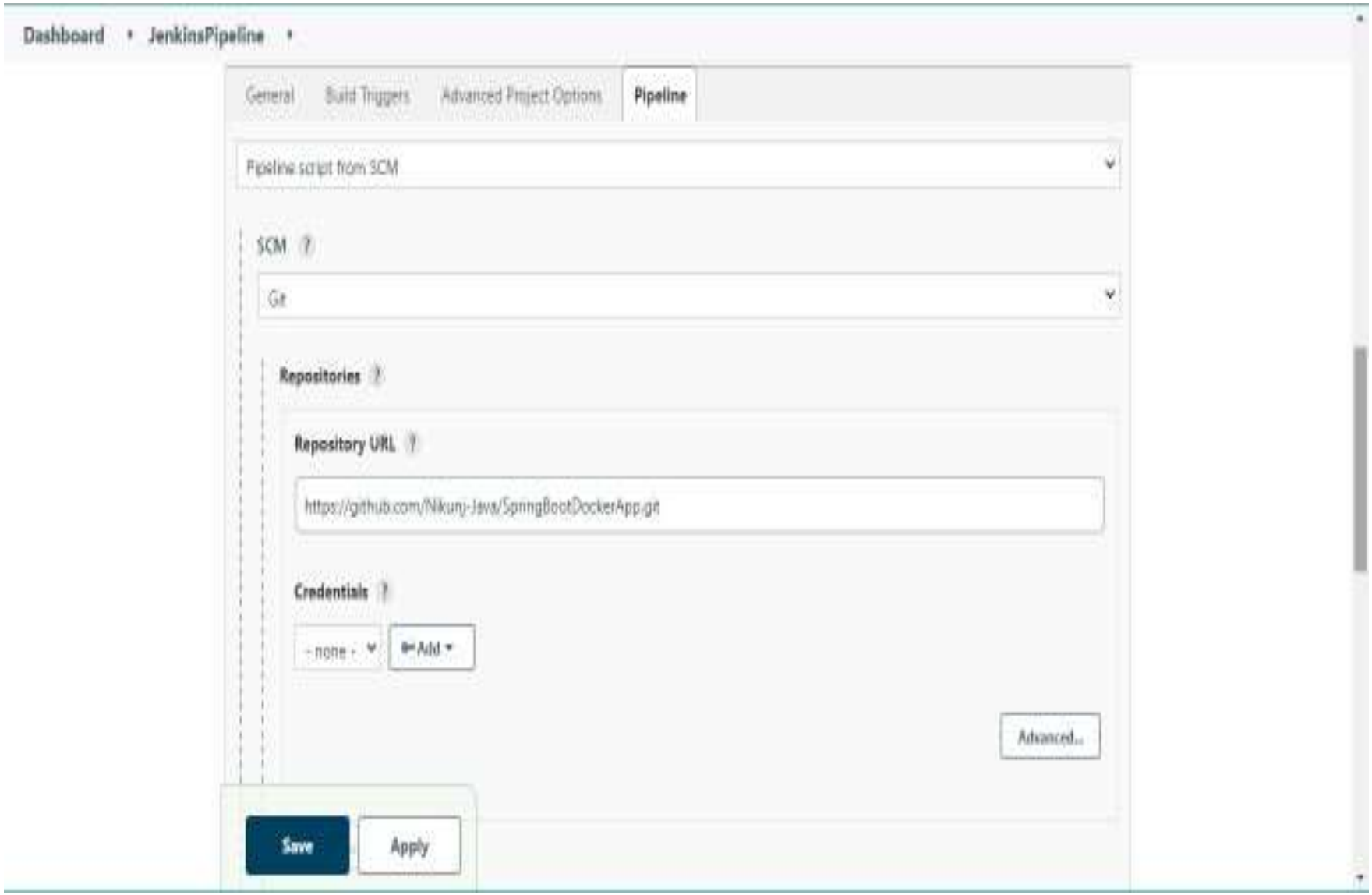

Getting Started
Create First Admin User
Username:
Hemsri
Password:
Confirm password:
Full name:
Hemsri
Jenkins 2.372
Skip and continue as admin
Save and Continue

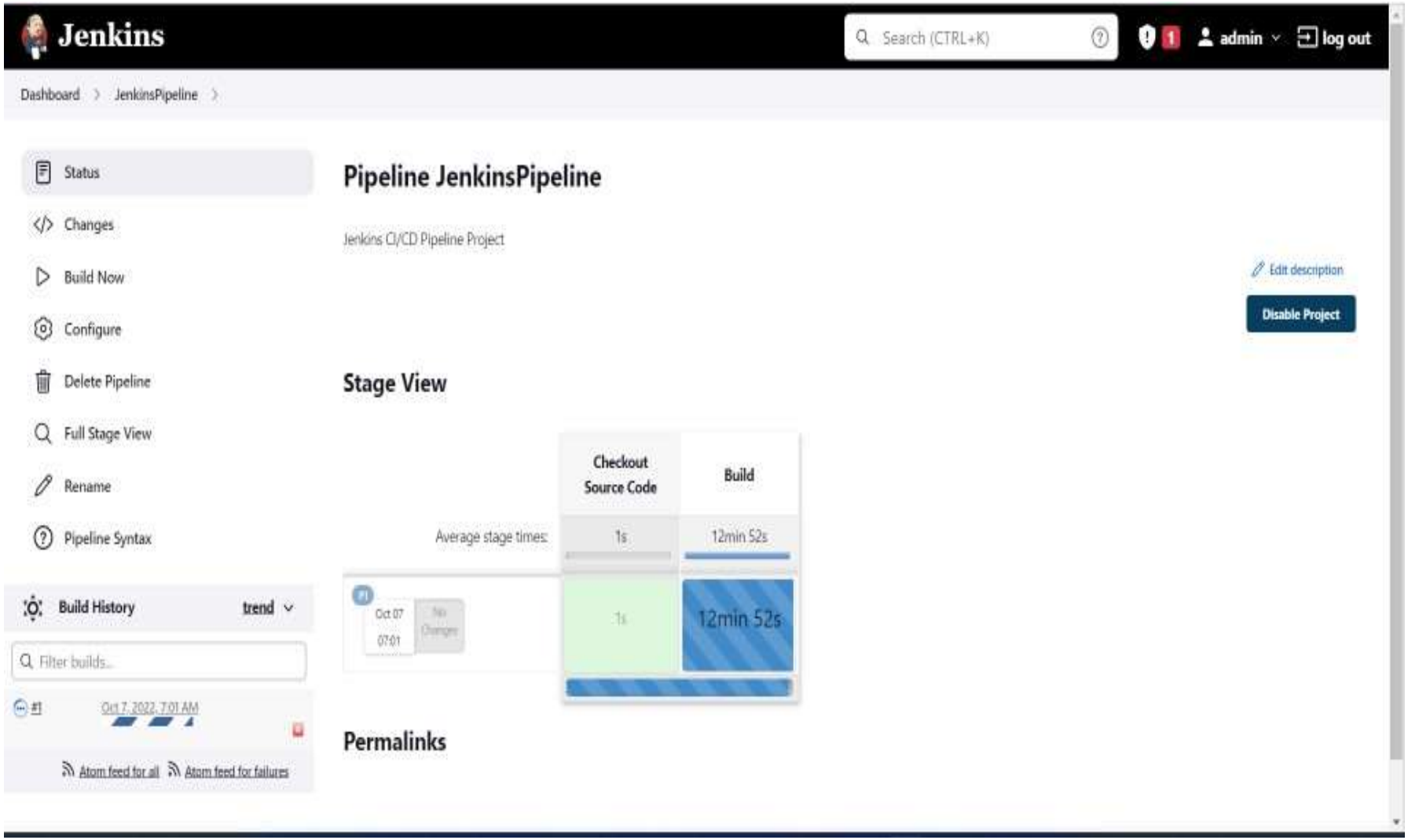

Getting Started
Jenkins is ready!
Your Jenkins setup is complete.
Start using Jenkins
Jenkins 2.372


Dashboard
New Item
People
Build History
Manage Jenkins
My Views
Build Queue
No builds in the queue.
Build Executor Status
1 Idle
2 Idle
Add description
Welcome to Jenkins!
This page is where your Jenkins jobs will be displayed. To get started, you can set up distributed builds or start building a software project.
Start building your software project
Create a job
Set up a distributed build
Set up an agent
Configure a cloud
Learn more about distributed builds

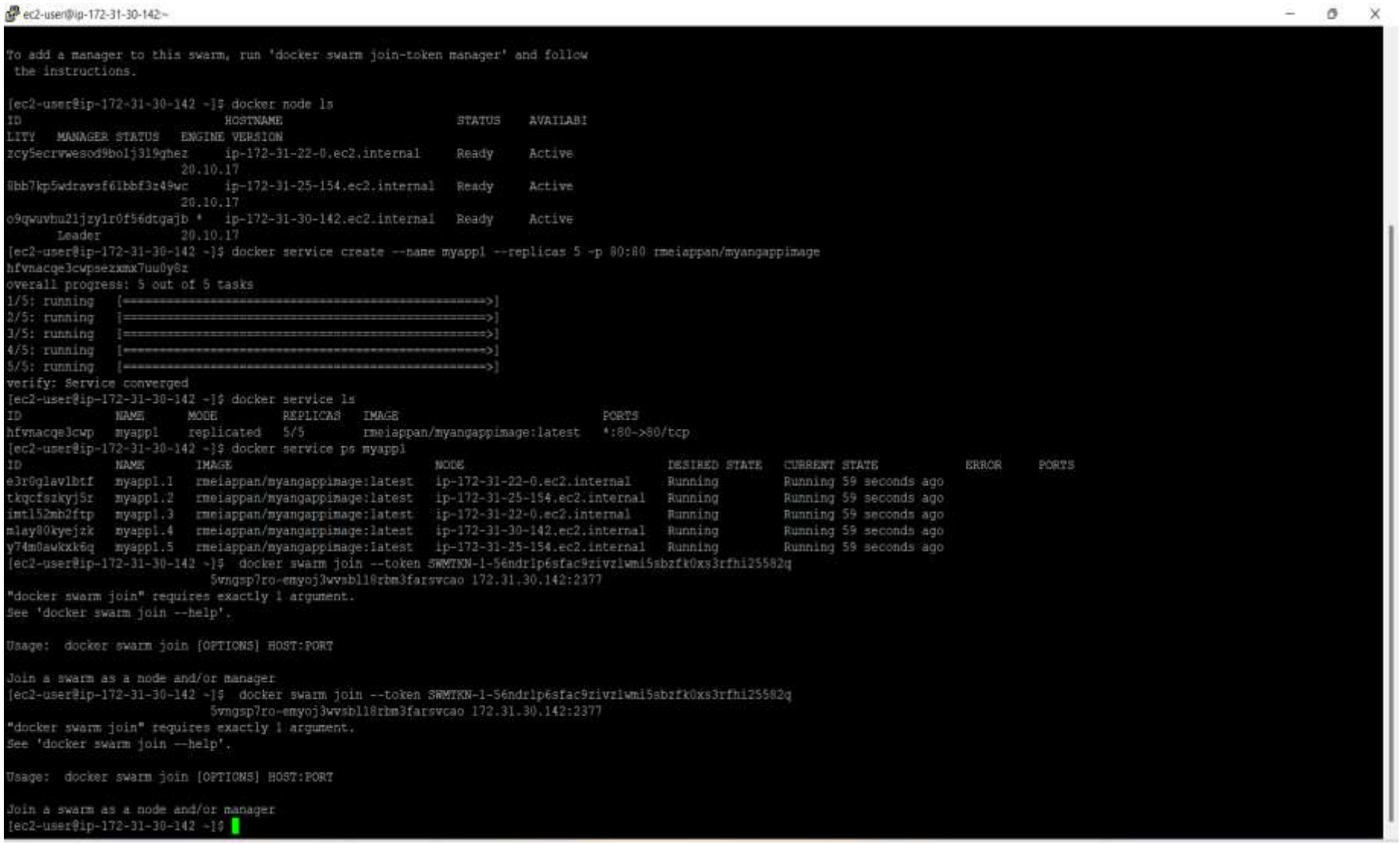
}]

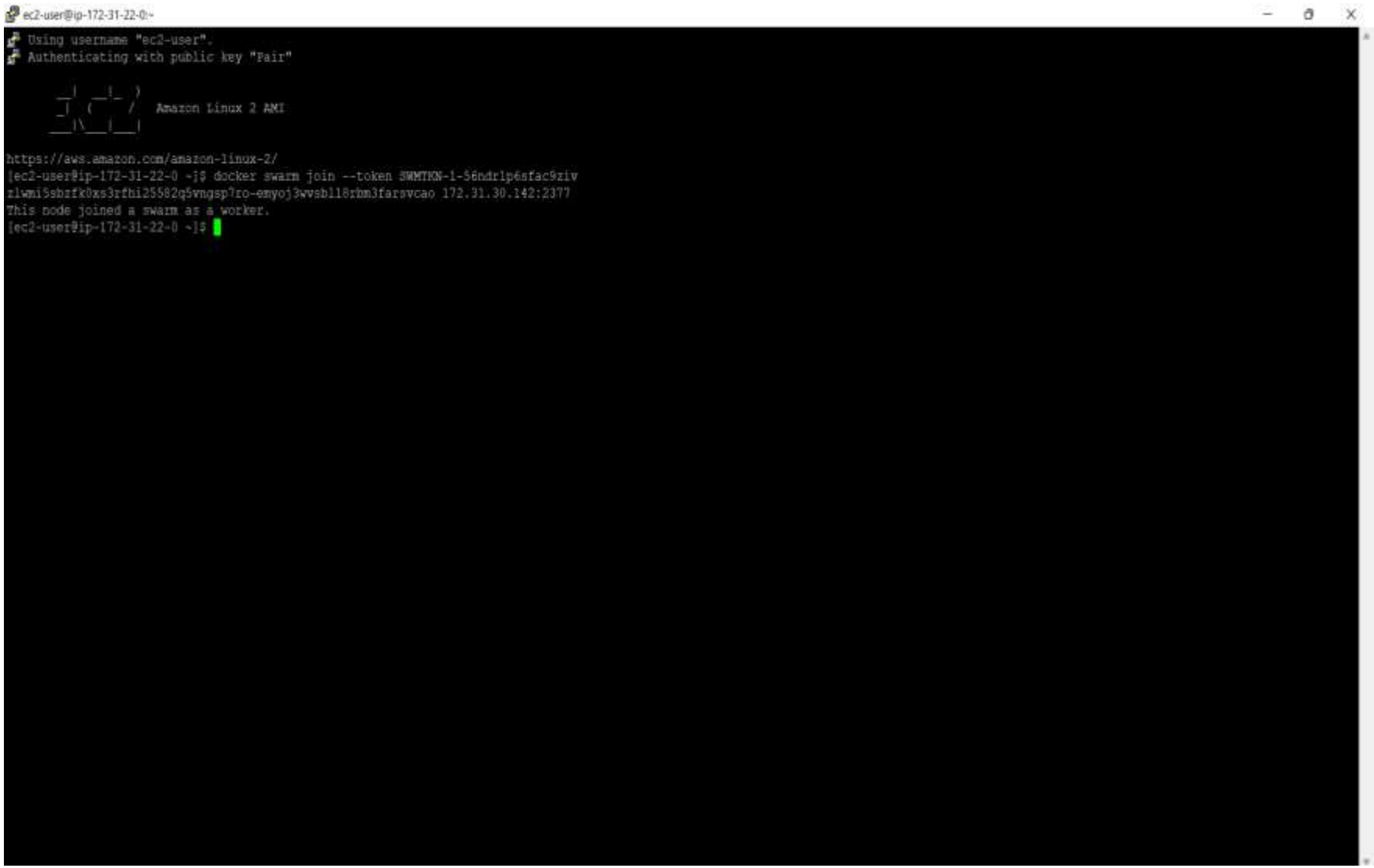

Dashboard > All >
Enter an item name
hello
» Required field
Freestyle project
This is the central feature of Jenkins. Jenkins will build your project, combining any SCM with any build system, and this can be even used for something other than software build.
Pipeline
Orchestrates long-running activities that can span multiple build agents. Suitable for building pipelines (formerly known as workflows) and/or organizing complex activities that do not easily fit in free-style job type.
Multi-configuration project
Suitable for projects that need a large number of different configurations, such as testing on multiple environments, platform-specific builds, etc.
Folder
Creates a container that stores nested items in it. Useful for grouping things together. Unlike view, which is just a filter, a folder creates a
pace, so you can have multiple things of the same name as long as they are in different folders.
OK
Pipeline


Dashboard
JenkinsPipeline
General
Build Triggers
Advanced Project Options
Pipeline
Pipeline script from SCM
SCM
Git
Repositories
Repository URL
https://github.com/Nikunj-Java/SpringBootDockerApp.git
Credentials
- none -
Add
Advanced...
Save
Apply

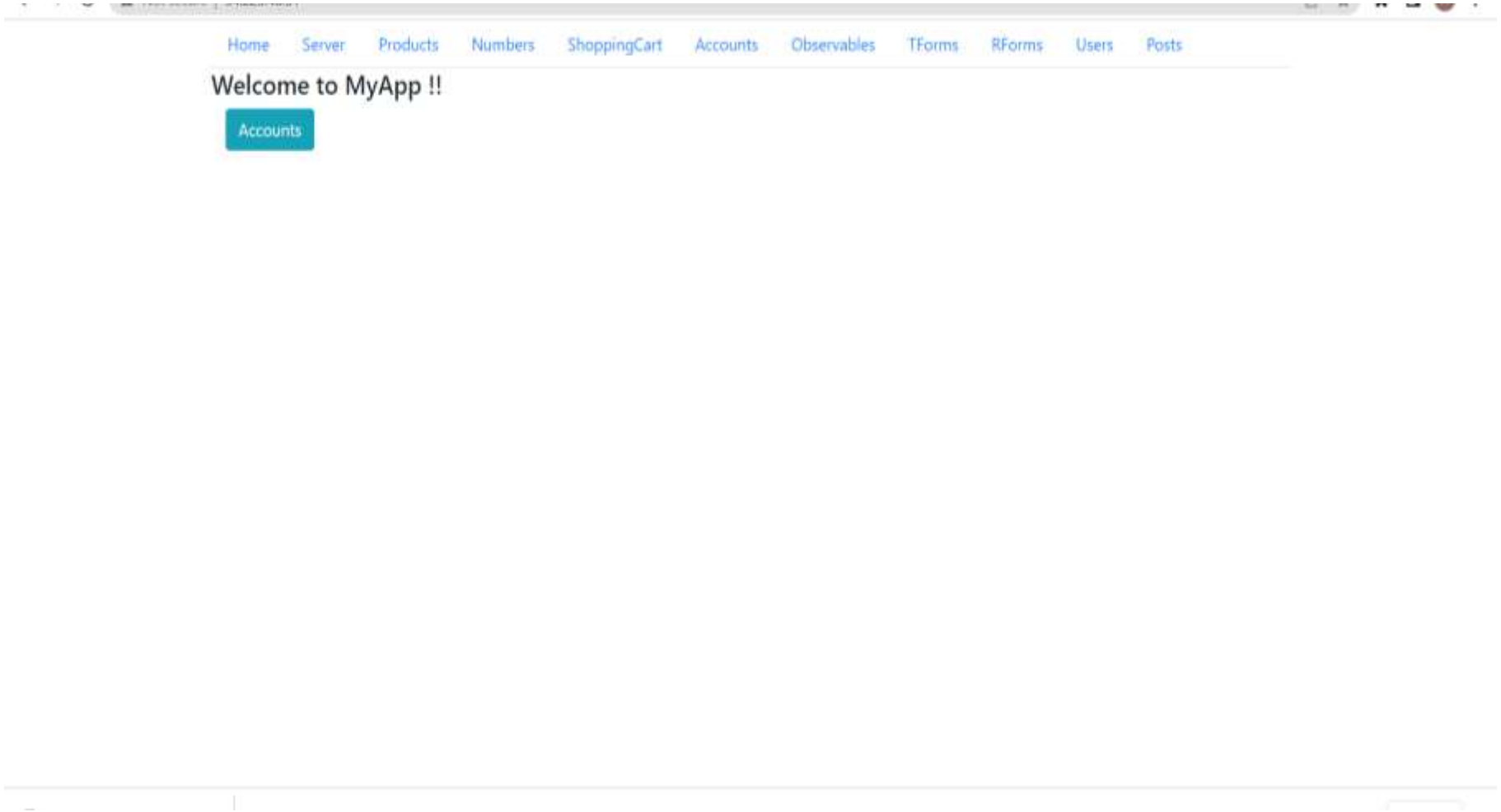

Jenkins
Search (CTRL+K)
admin
log out
Dashboard
JenkinsPipeline
Status
Changes
Build Now
Configure
Delete Pipeline
Full Stage View
Rename
Pipeline Syntax
Build History
trend
Filter builds...
#1
Oct 7, 2022, 7:01 AM
Atom feed for all
Atom feed for failures
Pipeline JenkinsPipeline
Jenkins CI/CD Pipeline Project
Edit description
Disable Project
Stage View
Checkout Source Code
Build
Average stage times:
1s
12min 52s
Oct 07
07:01
1s
12min 52s
Permalinks

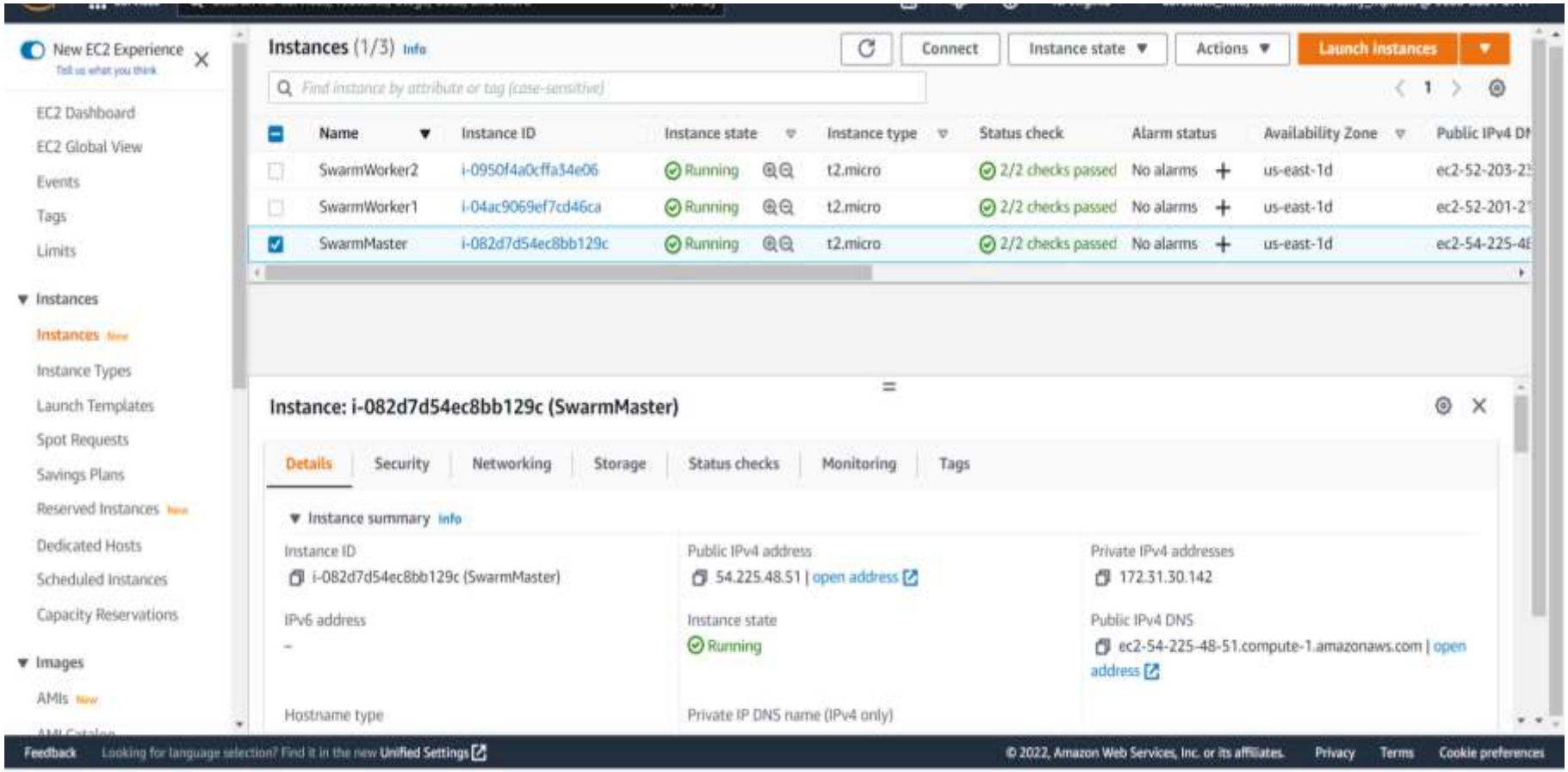
Docker Swarm




ec2-user@ip-172-31-22-0:~
Using username "ec2-user".
Authenticating with public key "Pair"
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-22-0 ~]$ docker swarm join --token SWMTKN-1-56ndrlp6sfac9ziv
zlwmi5sbzfk0xs3rfhi25582q5vngsp7ro-emyoj3wvsbl18rbm3farsvcao 172.31.30.142:2377
This node joined a swarm as a worker.
[ec2-user@ip-172-31-22-0 ~]$


ec2-user@ip-172-31-25-154:~
Using username "ec2-user".
Authenticating with public key "Pair"
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-25-154 ~]$ docker swarm join --token SWMTKN-1-5ëndrlpésfac9z
ivzlwmi5sbzfx0xs3rfhi25582q5vngsp7ro-emyoj3wvsbl18rbm3farsvcao 172.31.30.142:237
7
This node joined a swarm as a worker.
[ec2-user@ip-172-31-25-154 ~]$


Home
Server
Products
Numbers
ShoppingCart
Accounts
Observables
TForms
RForms
Users
Posts
Welcome to MyApp !!
Accounts


New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Scheduled Instances
Capacity Reservations
Images
AMIs New
Instances (1/3) Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DN
SwarmWorker2 i-0950f4a0cffa34e06 Running t2.micro 2/2 checks passed No alarms us-east-1d ec2-52-203-2
SwarmWorker1 i-04ac9069ef7cd46ca Running t2.micro 2/2 checks passed No alarms us-east-1d ec2-52-201-2
SwarmMaster i-082d7d54ec8bb129c Running t2.micro 2/2 checks passed No alarms us-east-1d ec2-54-225-4
Instance: i-082d7d54ec8bb129c (SwarmMaster)
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-082d7d54ec8bb129c (SwarmMaster)
IPv6 address
-
Hostname type
Public IPv4 address
54.225.48.51 | open address
Instance state
Running
Private IP DNS name (IPv4 only)
Private IPv4 addresses
172.31.30.142
Public IPv4 DNS
ec2-54-225-48-51.compute-1.amazonaws.com | open address
Feedback
Looking for language selection? Find it in the new Unified Settings
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Terms
Cookie preferences