

PROJECT 3 SUBMISSION
CREATE A JENKINS PIPELINE

SUBMITTED ON 4th JUNE 2020
By: SHREE IYER

IAM CREDENTIALS

← → ↺ console.aws.amazon.com/iam/home#/users/jenkins ☆ S

aws Services ▾ Resource Groups ▾

shreeni123 ▾ Global ▾ Support ▾

Identity and Access Management (IAM)

- Dashboard
- Access management
 - Groups
 - Users**
 - Roles
 - Policies
 - Identity providers
 - Account settings
- Access reports
 - Access analyzer
 - Archive rules
 - Analyzers
 - Settings
- Credential report
- Organization activity
- Service control policies

User ARN arn:aws:iam::692963223244:user/jenkins

Path /

Creation time 2020-06-03 23:58 EDT

Permissions Groups (1) Tags Security credentials Access Advisor

▼ Permissions policies (4 policies applied)


[Add permissions](#) [+ Add inline policy](#)

Policy name ▾	Policy type ▾	
Attached directly		
▶ IAMUserChangePassword	AWS managed policy	✕
Attached from group		
▶ AmazonEC2FullAccess	AWS managed policy from group jenkins	✕
▶ AmazonS3FullAccess	AWS managed policy from group jenkins	✕
▶ AmazonVPCFullAccess	AWS managed policy from group jenkins	✕
▶ Permissions boundary (not set)		

LOGGED IN PAGE WITH UNIQUE URL

us-east-1.signin.aws.amazon.com

us.iyer@gmail.com... Shree Iyer AWS Web Application - IACProje... Amazon Web Services Sign-In Managing Passwords for IAM Users - AWS... Jira | Issue & Project Tracking S



Sign in as IAM user

Account ID (12 digits) or account alias

IAM user name

Password



Sign in

[Sign in using root user email](#)

[Forgot password?](#)

AWS IoT Greengrass

Deploy ML models optimized to run on AWS IoT Greengrass devices and trained in Amazon SageMaker



English

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AWS UBUNTU 18.04 T2.micro INSTANCE RUNNING -1

h B... Inbox (20,749) - sheenivas.iyer@gmail.com... Shree Iyer AWS Web Application - IACProje... Instances | EC2 Management Console Managing Passwords for IAM Users - AWS... Jira | Issue & Project Tracking Software | At... Migra

Resource Groups

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs
jenkins	i-0f09b67fb33610194	t3.medium	us-east-2b	running	Initializing	None	ec2-3-135-17-222.us-e...	3.135.17.222	-

Connect to your instance

Connection method

- ☒ A standalone SSH client
- ☐ Session Manager
- ☐ EC2 Instance Connect (browser-based SSH connection)

Warning

You may not be able to connect to this instance as ports 22 may need to be open in order to be accessible. Your current security groups don't have ports 22 open.

To access your instance:

- Open an SSH client. (find out how to [connect using PuTTY](#))
- Locate your private key file (ohio.pem). The wizard automatically detects the key you used to launch the instance.
- Your key must not be publicly viewable for SSH to work. Use this command if needed:

```
chmod 400 ohio.pem
```
- Connect to your instance using its Public DNS:

```
ec2-3-135-17-222.us-east-2.compute.amazonaws.com
```

Example:

```
ssh -i "ohio.pem" ubuntu@ec2-3-135-17-222.us-east-2.compute.amazonaws.com
```

Instance: i-0f09b67fb3361

Description Status Ch

Instan

Instance

Instance

Fir

Private

Privat

ec2-3-135-17-222.us-east-2.compute.amazonaws.com

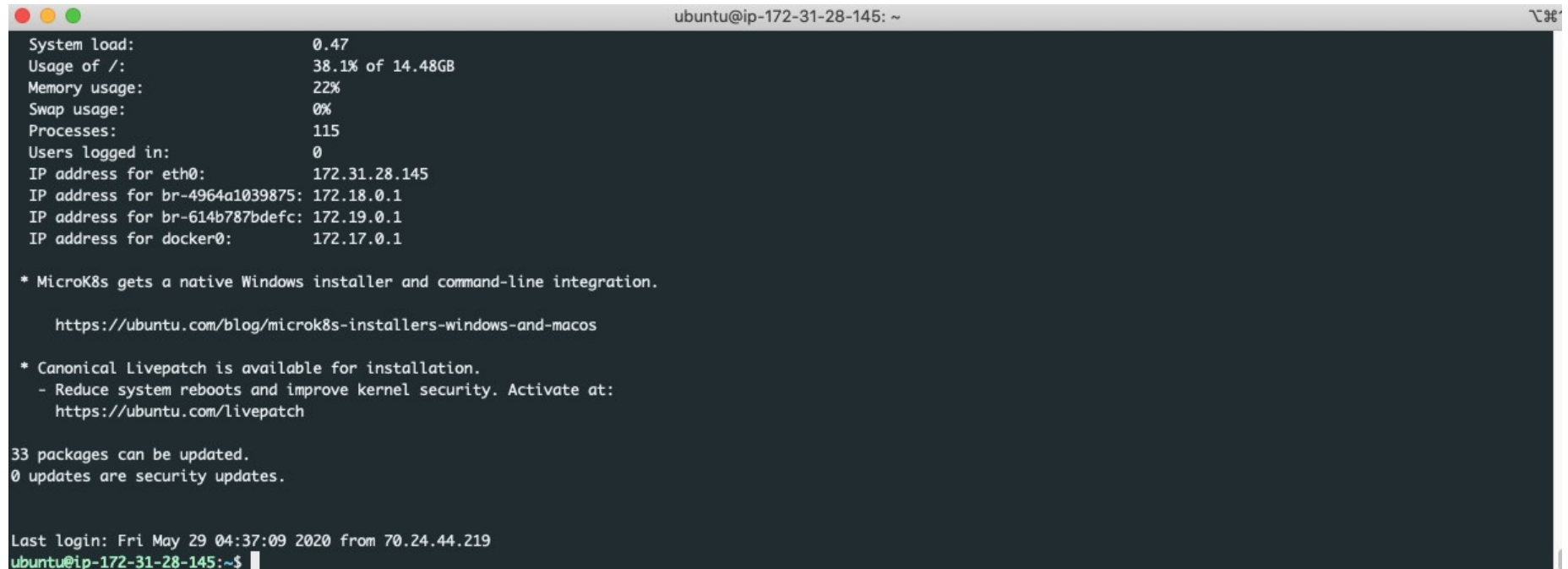
3.135.17.222

-

us-east-2b

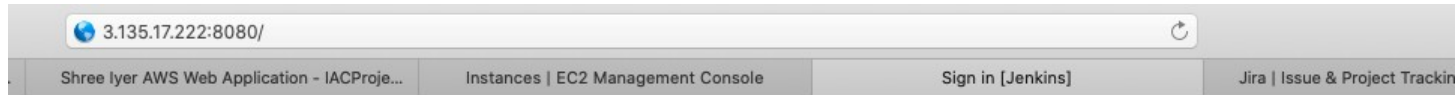
jenkins. [view inbound rules](#). [view outbound rules](#)

SUCCESSFUL SSH INTO UBUNTU EC2 INSTANCE



```
ubuntu@ip-172-31-28-145: ~  
System load:                0.47  
Usage of /:                 38.1% of 14.48GB  
Memory usage:              22%  
Swap usage:                0%  
Processes:                 115  
Users logged in:           0  
IP address for eth0:        172.31.28.145  
IP address for br-4964a1039875: 172.18.0.1  
IP address for br-614b787bdefc: 172.19.0.1  
IP address for docker0:     172.17.0.1  
  
* MicroK8s gets a native Windows installer and command-line integration.  
  
  https://ubuntu.com/blog/microk8s-installers-windows-and-macos  
  
* Canonical Livepatch is available for installation.  
  - Reduce system reboots and improve kernel security. Activate at:  
    https://ubuntu.com/livepatch  
  
33 packages can be updated.  
0 updates are security updates.  
  
Last login: Fri May 29 04:37:09 2020 from 70.24.44.219  
ubuntu@ip-172-31-28-145:~$
```

JENKINS HOMEPAGE ACCESSIBLE VIA PUBLIC IP:8080




Welcome to Jenkins!

Sign in












☐ Keep me signed in

BLUE OCEAN IS ENABLED

← → ↻ ⓘ Not Secure | 3.135.17.222:8080 ☆ ⓘ


 **Jenkins** 🔍 search ⓘ 🔔 monitor **1** 👤 shs 🚪 log out

Jenkins > enable auto refresh

 New Item
 People
 Build History
 Project Relationship
 Check File Fingerprint
 Manage Jenkins
 My Views
 Open Blue Ocean
 Lockable Resources
 Credentials
 New View

Welcome to Jenkins!

Please **create new jobs** to get started.

 [add description](#)

Build Queue —

No builds in the queue.

Build Executor Status —

1	Idle
2	Idle

Page generated: Jun 4, 2020 4:41:11 AM UTC [REST API](#) [Jenkins ver. 2.222.4](#)

BAREBONES PIPELINE IS ADDED

← → ↻ ⓘ Not Secure | ec2-3-135-17-222.us-east-2.compute.amazonaws.com:8080/blue/organizations/jenkins/project3-Jenkinspipeline/activity/ 🔑 ☆ S ⋮

Jenkins Pipelines Executors Administration ↗ Logout

🔑 project3-Jenkinspipeline ☆ ⚙️ Activity Branches Pull Requests

STATUS	RUN	COMMIT	BRANCH	MESSAGE	DURATION	COMPLETED	
✓	1	78a8203	master	Branch indexing	12s	3 minutes ago	↺


1.23.2 · Core 2.222.4 · 6a14f41 · 15th May 2020 05:37 PM

FAILED LINTING


← → ↻ ⓘ Not Secure | ec2-3-135-17-222.us-east-2.compute.amazonaws.com:8080/blue/organizations/jenkins/project3-Jenkinspipeline/detail/master/2/pipeline 🔑 ☆ S ⋮


✕ project3-Jenkinspipeline < 2

Pipeline Changes Tests Artifacts ↺ ✎ ⚙️ ↗ Logout ✕




Branch: master  3s Changes by shreenivas.i
Commit: 2dda2ab 2 minutes ago Branch indexing


Start


Lint HTML 

Upload to AWS 

End

Lint HTML - <1s  [Restart Lint HTML](#)  

 > Check out from version control <1s

 ▼ tidy -q -e index.html — Shell Script <1s

```
1 + tidy -q -e index.html
2 line 7 column 102 - Warning: replacing unexpected script with </script>
3 script returned exit code 1
```

PASSING PIPELINE AFTER FIXING ISSUES

← → ↻ ⓘ Not Secure | ec2-3-135-17-222.us-east-2.compute.amazonaws.com:8080/blue/organizations/jenkins/project3-Jenkinspipeline/detail/master/4/pipeline 🔑 ☆ S

✓ project3-Jenkinspipeline < 4

Pipeline

Changes

Tests

Artifacts

↺

✎

⚙

📁

Logout

×

Branch: master [🔗](#)

🕒 4s

Changes by shreenivas.i

Commit: 2a8df1b

🕒 a few seconds ago

Branch indexing

Start

Lint HTML

Upload to AWS

End

●

●

●

●

✓

✓

Upload to AWS - <1s

🔄 Restart Upload to AWS

🔗

⬇

✓

> echo "Hello World with AWS creds" — Shell Script

<1s

✓

> Copy file to S3

<1s

Index.html PUBLISHED TO S3

aws

Services ▾

Resource Groups ▾

🔍

🔔

jenkins @ 6929-6322-3244 ▾

Global ▾

Support ▾

Amazon S3 > shree-static-jenkins-pipeline

shree-static-jenkins-pipeline

Overview

Properties

PermissionsPublic

Management

Access points

🔍 Type a prefix and press Enter to search. Press ESC to clear.

📁 Upload

+ Create folder

Download

Actions ▾

Versions

Hide

Show

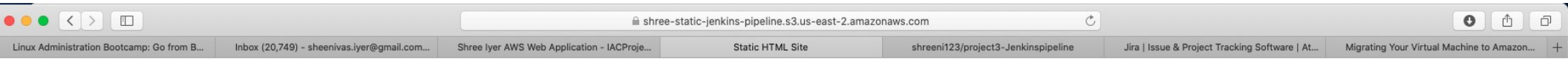
US East (Ohio) 🔄

Viewing 1 to 1

<input type="checkbox"/> Name ▾	Last modified ▾	Size ▾	Storage class ▾
<input type="checkbox"/> 📄 index.html	Jun 4, 2020 1:13:06 AM GMT-0400	245.0 B	Standard

Viewing 1 to 1

Index.html WITH UNIQUE URL



This is the first paragraph in a simple Static HTML site. There is no **CSS** or **JavaScript**.