

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

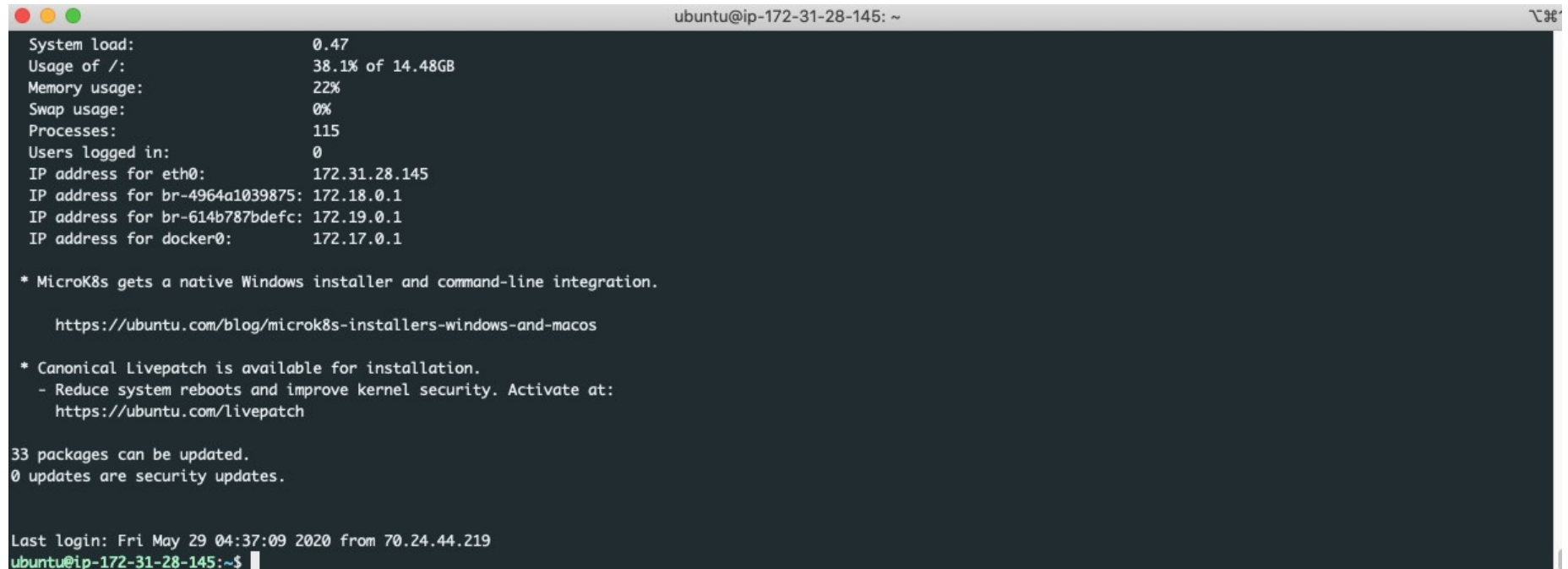
The screenshot displays the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Resource Groups', and user information 'jenkins @ shreeni123'. The left sidebar contains navigation links for 'EC2 Dashboard', 'Events', 'Tags', 'Reports', 'Limits', 'INSTANCES', 'IMAGES', and 'ELASTIC BLOCK STORE'. The main content area shows a list of EC2 instances with a table containing columns: Name, Instance ID, Instance Type, Availability Zone, Instance State, Status Checks, Alarm Status, and Public DNS (IPv4). A single instance named 'jenkins' is listed with ID 'i-0f09b67fb33610194', type 't3.medium', and state 'running'. Below the table, the 'Instance: i-0f09b67fb33610194 (jenkins)' details are shown, including the public DNS 'ec2-3-135-17-222.us-east-2.compute.amazonaws.com'. The 'Description' tab is active, displaying various instance attributes such as Instance ID, Instance state, Instance type, Finding, Private DNS, Private IPs, Secondary private IPs, VPC ID, Subnet ID, Public DNS (IPv4), IPv4 Public IP, IPv6 IPs, Elastic IPs, Availability zone, Security groups, Scheduled events, AMI ID, and Platform details.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
jenkins	i-0f09b67fb33610194	t3.medium	us-east-2b	running	2/2 checks ...	None	ec2-3-135-17-222.us-east-2.compute.amazonaws.com

Instance: **i-0f09b67fb33610194 (jenkins)** Public DNS: **ec2-3-135-17-222.us-east-2.compute.amazonaws.com**

Description		Status Checks	Monitoring	Tags
Instance ID	i-0f09b67fb33610194	Public DNS (IPv4)	ec2-3-135-17-222.us-east-2.compute.amazonaws.com	
Instance state	running	IPv4 Public IP	3.135.17.222	
Instance type	t3.medium	IPv6 IPs	-	
Finding	You may not have permission to access AWS Compute Optimizer.	Elastic IPs		
Private DNS	ip-172-31-28-145.us-east-2.compute.internal	Availability zone	us-east-2b	
Private IPs	172.31.28.145	Security groups	jenkins. view inbound rules. view outbound rules	
Secondary private IPs		Scheduled events	No scheduled events	
VPC ID	vpc-63e62908	AMI ID	ubuntu/images/hvm-ssd/ubuntu-bionic-18.04-amd64-server-20200408 (ami-07c1207a9d40bc3bd)	
Subnet ID	subnet-74a28f0e	Platform details	Linux/UNIX	

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

← → ↻ ⓘ Not Secure | ec2-3-135-17-222.us-east-2.compute.amazonaws.com:8080/login?from=%2F 🔑 ☆ S ⋮



Welcome to Jenkins!

Sign in

☐ Keep me signed in

BLUE OCEAN IS ENABLED

Dashboard [Jenkins] x Pipeline Syntax: Snippet Gener x (5) WhatsApp x static/Jenkinsfile at master · all x +

Not Secure | ec2-3-135-17-222.us-east-2.compute.amazonaws.com:8080

Jenkins

search ? monitor 1 shs log out

Jenkins enable auto refresh

[New Item](#) [add description](#)

[People](#)

[Build History](#)

[Project Relationship](#)

[Check File Fingerprint](#)

[Manage Jenkins](#)

[My Views](#)

[Open Blue Ocean](#)

[Lockable Resources](#)

[Credentials](#)

[New View](#)

S	W	Name ↓	Last Success	Last Failure	Last Duration	Fav
		project3-Jenkinspipeline	6.8 sec - log	N/A	0.78 sec	

Icon: [S](#) [M](#) [L](#)

[Legend](#) [Atom feed for all](#) [Atom feed for failures](#) [Atom feed for just latest builds](#)

Build Queue

No builds in the queue.

Build Executor Status

1 Idle

2 Idle

Page generated: Jun 4, 2020 3:27:07 PM UTC [REST API](#) [Jenkins ver. 2.222.4](#)

BAREBONES PIPELINE IS ADDED - 1

← → ↺ ⓘ 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

BAREBONES PIPELINE IS ADDED - 2

← → ↻ ⓘ Not Secure | ec2-3-135-17-222.us-east-2.compute.amazonaws.com:8080/blue/organizations/jenkins/project3-Jenkinspipeline/detail/master/1/pipeline ☆ S ⋮

✓ **project3-Jenkinspipeline** 1 >

Pipeline

Changes

Tests

Artifacts

↺

✎

⚙

🔗

Logout


×

Branch: master [🔗](#) 12s No changes
Commit: 78a8203 11 hours ago Branch indexing

Start

Build

End



Build - <1s [🔄 Restart Build](#) [🔗](#) [⬇](#)

✓	> Check out from version control	4s
✓	> echo "Hello World" — Shell Script	<1s
✓	> echo "Multiline shell steps works too" ls -lah — Shell Script	<1s

BAREBONES PIPELINE IS ADDED - 1

← → ↻ ⓘ 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 10 hours ago Branch indexing

Start Lint HTML Upload to AWS End

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

✓ Check out from version control <1s

```
1 using credential github
2 > git rev-parse --is-inside-work-tree # timeout=10
3 Fetching changes from the remote Git repository
4 > git config remote.origin.url https://github.com/shreeni123/project3-Jenkinspipeline.git # timeout=10
5 Cleaning workspace
6 > git rev-parse --verify HEAD # timeout=10
7 Resetting working tree
8 > git reset --hard # timeout=10
9 > git clean -fdx # timeout=10
10 Fetching without tags
11 Fetching upstream changes from https://github.com/shreeni123/project3-Jenkinspipeline.git
12 > git --version # timeout=10
13 using GIT_ASKPASS to set credentials GitHub Access Token
14 > git fetch --no-tags --progress -- https://github.com/shreeni123/project3-Jenkinspipeline.git +refs/heads/master:refs/remotes/origin/master # timeout=10
15 Checking out Revision 2dda2ab95fbd5f71d2a7e8331609da512ba9873 (master)
16 > git config core.sparsecheckout # timeout=10
17 > git checkout -f 2dda2ab95fbd5f71d2a7e8331609da512ba9873 # timeout=10
18 > git branch -a -v --no-abbrev # timeout=10
19 > git branch -D master # timeout=10
20 > git checkout -b master 2dda2ab95fbd5f71d2a7e8331609da512ba9873 # timeout=10
21 Commit message: "Added AWS"
22 > git rev-list --no-walk 78a8203f49ab36b8e6b9eff21d9adca2580900df # timeout=10
23 Cleaning workspace
24 > git rev-parse --verify HEAD # timeout=10
25 Resetting working tree
26 > git reset --hard # timeout=10
27 > git clean -fdx # timeout=10
```

✕ 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 - screenshot#1

← → ↺ ⓘ Not Secure | ec2-135-17-222.us-east-2.compute.amazonaws.com:8080/blue/organizations/jenkins/project3-Jenkinspipeline/detail/master/4/pipeline/13 ☆ S

✓ project3-Jenkinspipeline < 4 > Pipeline Changes Tests Artifacts ↺ ↻ ⚙️ 📄 Logout ✕

Branch: master ☐ 4s Changes by shreenivas.i
Commit: 2a8df1b 10 hours ago Branch indexing

Start Lint HTML Upload to AWS End

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

✓ ▾ Check out from version control <1s

```
1 using credential github
2 > git rev-parse --is-inside-work-tree # timeout=10
3 Fetching changes from the remote Git repository
4 > git config remote.origin.url https://github.com/shreeni123/project3-Jenkinspipeline.git # timeout=10
5 Cleaning workspace
6 > git rev-parse --verify HEAD # timeout=10
7 Resetting working tree
8 > git reset --hard # timeout=10
9 > git clean -fdx # timeout=10
10 Fetching without tags
11 Fetching upstream changes from https://github.com/shreeni123/project3-Jenkinspipeline.git
12 > git --version # timeout=10
13 using GIT_ASKPASS to set credentials GitHub Access Token
14 > git fetch --no-tags --progress -- https://github.com/shreeni123/project3-Jenkinspipeline.git +refs/heads/master:refs/remotes/origin/master # timeout=10
15 Checking out Revision 2a8df1bf3cee80543c09eb2b22bc80779a6f3463 (master)
16 > git config core.sparsecheckout # timeout=10
17 > git checkout -f 2a8df1bf3cee80543c09eb2b22bc80779a6f3463 # timeout=10
18 > git branch -a -v --no-abbrev # timeout=10
19 > git branch -D master # timeout=10
20 > git checkout -b master 2a8df1bf3cee80543c09eb2b22bc80779a6f3463 # timeout=10
21 Commit message: "added /strong"
22 > git rev-list --no-walk 2b8cc840749a441d2378efdd76ca45136e8435d8 # timeout=10
23 Cleaning workspace
24 > git rev-parse --verify HEAD # timeout=10
25 Resetting working tree
26 > git reset --hard # timeout=10
27 > git clean -fdx # timeout=10
```

✓ ▾ tidy -q -e index.html -- Shell Script <1s

```
1 + tidy -q -e index.html
```

PASSING PIPELINE AFTER FIXING ISSUES - screenshot#2

← → ↻ ⓘ Not Secure | ec2-3-135-17-222.us-east-2.compute.amazonaws.com:8080/blue/organizations/jenkins/project3-Jenkinspipeline/detail/master/4/pipeline/13 ☆ S

✓ project3-Jenkinspipeline < 4 > Pipeline Changes Tests Artifacts ↺ ↻ ⚙️ 📄 Logout ✕

Branch: master ☐ 4s Changes by shreenivas.i
Commit: 2a8df1b 10 hours ago Branch indexing

Start Lint HTML Upload to AWS End

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

✓ ▾ Check out from version control <1s

```
1 using credential github
2 > git rev-parse --is-inside-work-tree # timeout=10
3 Fetching changes from the remote Git repository
4 > git config remote.origin.url https://github.com/shreeni123/project3-Jenkinspipeline.git # timeout=10
5 Cleaning workspace
6 > git rev-parse --verify HEAD # timeout=10
7 Resetting working tree
8 > git reset --hard # timeout=10
9 > git clean -fdx # timeout=10
10 Fetching without tags
11 Fetching upstream changes from https://github.com/shreeni123/project3-Jenkinspipeline.git
12 > git --version # timeout=10
13 using GIT_ASKPASS to set credentials GitHub Access Token
14 > git fetch --no-tags --progress -- https://github.com/shreeni123/project3-Jenkinspipeline.git +refs/heads/master:refs/remotes/origin/master # timeout=10
15 Checking out Revision 2a8df1bf3cee80543c09eb2b22bc80779a6f3463 (master)
16 > git config core.sparsecheckout # timeout=10
17 > git checkout -f 2a8df1bf3cee80543c09eb2b22bc80779a6f3463 # timeout=10
18 > git branch -a -v --no-abbrev # timeout=10
19 > git branch -D master # timeout=10
20 > git checkout -b master 2a8df1bf3cee80543c09eb2b22bc80779a6f3463 # timeout=10
21 Commit message: "added /strong"
22 > git rev-list --no-walk 2b8cc840749a441d2378efdd76ca45136e8435d8 # timeout=10
23 Cleaning workspace
24 > git rev-parse --verify HEAD # timeout=10
25 Resetting working tree
26 > git reset --hard # timeout=10
27 > git clean -fdx # timeout=10
```

✓ ▾ tidy -q -e index.html -- Shell Script <1s

```
1 + tidy -q -e index.html
```

Index.html PUBLISHED TO S3

aws Services Resource Groups

Amazon S3 > shree-static-jenkins-pipeline

shree-static-jenkins-pipeline

Overview Properties Permissions **Public** Management Access points

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

Upload + Create folder Download Actions Versions Hide Show

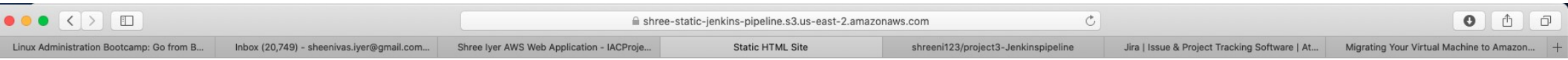
US East (Ohio)

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**.