

# 1.APPLICATION:

CLONE THE BELOW MENTIONED REPO AND DEPLOY THE APPLICATION. (RUN THE APPLICATION IN PORT 80[HTTP])

REPO URL: [HTTPS://GITHUB.COM/RVSP/REACTJS-DEMO.GIT](https://github.com/rvsp/reactjs-demo.git)

## GIT CLONE

```
root@ip-172-31-22-251:~# git clone https://github.com/rvsp/reactjs-demo.git
Cloning into 'reactjs-demo'...
remote: Enumerating objects: 40, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 40 (delta 2), reused 2 (delta 2), pack-reused 36
Receiving objects: 100% (40/40), 175.93 KiB | 12.57 MiB/s, done.
Resolving deltas: 100% (11/11), done.
```

## ARTIACS

```
root@ip-172-31-22-251:~/reactjs-demo# ls
README.md build node_modules package-lock.json package.json public src
```

## SG(HTTP ) PORT 80

Zen Class x DevOps Appli x EC2 Manager x New Tab x rvsp/reactjs-c x React App x www.msftcon x Vodafone Ide x +

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#ModifyInboundSecurityGroupRules:securityGroupId=sg-02a0df5384b300e47

aws Services Search [Alt+S]

EC2

EC2 > Security Groups > sg-02a0df5384b300e47 - launch-wizard-13 > Edit inbound rules

Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules Info

Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info
sgr-06b7a30a9d0659862	HTTP	TCP	80	Custom Q 42.110.87.59/32 X	Delet e
sgr-0389c00393f2ca6c7	SSH	TCP	22	Custom Q 42.110.87.59/32 X	Delet e

Add rule

CloudShell Feedback Language

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Type here to search

35°C Mostly cloudy ENG IN 4:03 PM 5/10/2023

## APPLICATION DEPLOYED

← → ↻ ⚠ Not secure | 54.198.163.168

#	Name
---	------

## 2.DOCKER:

### DOCKERIZE THE APPLICATION BY CREATING A DOCKERFILE CREATE A DOCKER-COMPOSE FILE TO USE THE ABOVE IMAGE

```
root@ip-172-31-88-79:~/reactjs-demo# ls
README.md build node_modules package-lock.json package.json public src
root@ip-172-31-88-79:~/reactjs-demo#
root@ip-172-31-88-79:~/reactjs-demo#
root@ip-172-31-88-79:~/reactjs-demo# |
```

```
root@ip-172-31-88-79:~/reactjs-demo# vim Dockerfile
root@ip-172-31-88-79:~/reactjs-demo# ls
Dockerfile README.md build node_modules package-lock.json package.json public src
root@ip-172-31-88-79:~/reactjs-demo# cat Dockerfile
cat: Dockerfile: No such file or directory
root@ip-172-31-88-79:~/reactjs-demo# cat Dockerfile
FROM nginx:stable
COPY build /usr/share/nginx/html
root@ip-172-31-88-79:~/reactjs-demo#
```

```
root@ip-172-31-88-79:~/reactjs-demo# vim docker-compose.yml
root@ip-172-31-88-79:~/reactjs-demo# ls
Dockerfile README.md build docker-compose.yml node_modules package-lock.json package.json public src
root@ip-172-31-88-79:~/reactjs-demo# cat docker-compose.yml
version: "v1"
services:
  web:
    build: .
    ports:
      - "80:80"
root@ip-172-31-88-79:~/reactjs-demo# |
```

```
root@ip-172-31-88-79:~/reactjs-demo# docker compose up
[+] Building 8.2s (7/7) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 88B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/nginx:stable
=> [internal] load build context
=> => transferring context: 1.28MB
=> [1/2] FROM docker.io/library/nginx:stable@sha256:b1a2c7bcc61be621eae24851a976179bfbcb72591e43c1fb340f7497ff72128ff
=> => resolve docker.io/library/nginx:stable@sha256:b1a2c7bcc61be621eae24851a976179bfbcb72591e43c1fb340f7497ff72128ff
=> => sha256:7b1a24f01896ee101a6871ce943eda9934d4b32787023c04c2c0510068c48c3a 1.57kB / 1.57kB
=> => sha256:8409c6410d365fe098e23426b7617ad45637250df344cd91c4c2f1917f6cd85b 7.90kB / 7.90kB
=> => sha256:b1a2c7bcc61be621eae24851a976179bfbcb72591e43c1fb340f7497ff72128ff 1.86kB / 1.86kB
=> => sha256:9e3ea8720c6de96cc9ad544ddc695a3ab73f5581c5d954e0504cc4f80fb5e5c 31.40MB / 31.40MB
=> => sha256:ee7feb8b89d4dd9660e3c3ed6d06c6590a5c764c9b0fb6cb38d9256b69123e23 25.60MB / 25.60MB
=> => sha256:3726de4affbbf690e81d792226518feddaba53dcb5e785f1a5f97a707e1a99f2 626B / 626B
=> => sha256:4b5188c33a727ad2705dec53565e23d8a4b4b146c106e1b9b58f31922a117c2e 959B / 959B
=> => sha256:3c90f9dd7b85dccc0aeecae53858b426fcad9b4f08263391392b7bfc219be3c 774B / 774B
=> => sha256:2246bda193a8790a140a4ff647f80c35c87557eb42a86f9b25c21324e286734b 1.40kB / 1.40kB
=> => extracting sha256:9e3ea8720c6de96cc9ad544ddc695a3ab73f5581c5d954e0504cc4f80fb5e5c
=> => extracting sha256:ee7feb8b89d4dd9660e3c3ed6d06c6590a5c764c9b0fb6cb38d9256b69123e23
=> => extracting sha256:3726de4affbbf690e81d792226518feddaba53dcb5e785f1a5f97a707e1a99f2
=> => extracting sha256:4b5188c33a727ad2705dec53565e23d8a4b4b146c106e1b9b58f31922a117c2e
=> => extracting sha256:3c90f9dd7b85dccc0aeecae53858b426fcad9b4f08263391392b7bfc219be3c
=> => extracting sha256:2246bda193a8790a140a4ff647f80c35c87557eb42a86f9b25c21324e286734b
=> [2/2] COPY build /usr/share/nginx/html
=> => exporting to image
=> => exporting layers
=> => writing image sha256:4547a3de2658e96164bfeace0f9563edc81169bbf728ee7b2cc48d6926200b17
=> => naming to docker.io/library/reactjs-demo-web
[+] Running 2/2
✔ Network reactjs-demo_default Created
✔ Container reactjs-demo-web-1 Created
Attaching to reactjs-demo-web-1
reactjs-demo-web-1 | /docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
reactjs-demo-web-1 | /docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
reactjs-demo-web-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
reactjs-demo-web-1 | 10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
reactjs-demo-web-1 | 10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
reactjs-demo-web-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
reactjs-demo-web-1 | /docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
reactjs-demo-web-1 | /docker-entrypoint.sh: Configuration complete; ready for start up
reactjs-demo-web-1 | 2023/05/09 10:40:51 [notice] 1#1: using the "epoll" event method
reactjs-demo-web-1 | 2023/05/09 10:40:51 [notice] 1#1: nginx/1.24.0
reactjs-demo-web-1 | 2023/05/09 10:40:51 [notice] 1#1: built by gcc 10.2.1 20210110 (Debian 10.2.1-6)
reactjs-demo-web-1 | 2023/05/09 10:40:51 [notice] 1#1: OS: Linux 5.15.0-1031-aws
reactjs-demo-web-1 | 2023/05/09 10:40:51 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
```

```
root@ip-172-31-88-79:~/reactjs-demo# docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
73517ed11eed   reactjs-demo-web   "/docker-entrypoint..." 13 seconds ago   Up 12 seconds   0.0.0.0:80->80/tcp, :::80->80/tcp   reactjs-demo-web-1
root@ip-172-31-88-79:~/reactjs-demo# |
```

### 3.BASH SCRIPTING:

#### WRITE 2 SCRIPTS

#### BUILD.SH FOR BUILDING DOCKER IMAGES

#### DEPLOY.SH - FOR DEPLOYING THE IMAGE TO SERVER

```
#!/bin/bash
sudo apt-get update &&>/dev/null
sudo git clone https://github.com/rvsp/reactjs-demo.git
sudo apt-get update && apt-get install npm -y &>/dev/null
cd reactjs-demo
sudo npm install &>/dev/null
sudo npm run build &>/dev/null
```

```
#!/bin/bash
docker build -t capstone:v1 .
docker run -d -p 80:80 capstone:v1
```

```
root@ip-172-31-90-201:~/capstone#
root@ip-172-31-90-201:~/capstone# ls
build.sh  deploy.sh  reactjs-demo
root@ip-172-31-90-201:~/capstone# cat build.sh
#!/bin/bash

sudo apt-get update &&>/dev/null
sudo git clone https://github.com/rvsp/reactjs-demo.git
sudo apt-get update && apt-get install npm -y &>/dev/null
cd reactjs-demo
sudo npm install &>/dev/null
sudo npm run build &>/dev/null
root@ip-172-31-90-201:~/capstone#
root@ip-172-31-90-201:~/capstone#
root@ip-172-31-90-201:~/capstone# cat deploy.sh
#!/bin/bash

docker build -t capstone:v1 /root/capstone/reactjs-demo/.
docker run -d -p 80:80 capstone:v1

root@ip-172-31-90-201:~/capstone#
root@ip-172-31-90-201:~/capstone#
root@ip-172-31-90-201:~/capstone# cd reactjs-demo
root@ip-172-31-90-201:~/capstone/reactjs-demo# ls
DockerFile  README.md  build  node_modules  package-lock.json  package.json  public  src
root@ip-172-31-90-201:~/capstone/reactjs-demo#
root@ip-172-31-90-201:~/capstone/reactjs-demo#
root@ip-172-31-90-201:~/capstone/reactjs-demo# docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                               NAMES
51087be40c70   capstone:v1   "/docker-entrypoint..."  4 minutes ago  Up 4 minutes  0.0.0.0:80->80/tcp, :::80->80/tcp   hopeful_almeida
root@ip-172-31-90-201:~/capstone/reactjs-demo#
root@ip-172-31-90-201:~/capstone/reactjs-demo#
root@ip-172-31-90-201:~/capstone/reactjs-demo#
```

## VERSION CONTROL:

### PUSH THE CODE TO GITHUB TO DEV BRANCH (USE DOCKERIGNORE & GITIGNORE FILES)

#### NOTE: USE ONLY CLI FOR RELATED GIT COMMANDS

```
root@ip-172-31-22-251: ~/reactjs-demo
```

```
root@ip-172-31-22-251:~# git clone https://github.com/rvsp/reactjs-demo.git
Cloning into 'reactjs-demo'...
remote: Enumerating objects: 40, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 40 (delta 2), reused 2 (delta 2), pack-reused 36
Receiving objects: 100% (40/40), 175.93 KiB | 5.33 MiB/s, done.
Resolving deltas: 100% (11/11), done.
root@ip-172-31-22-251:~# ls
reactjs-demo  snap
```

```
root@ip-172-31-22-251:~/reactjs-demo# ls
README.md package-lock.json package.json public src
```

```
root@ip-172-31-22-251:~/reactjs-demo# ls
README.md build node_modules package-lock.json package.json public src
```

```
root@ip-172-31-22-251:~/reactjs-demo# vim .gitignore
root@ip-172-31-22-251:~/reactjs-demo# git add .
root@ip-172-31-22-251:~/reactjs-demo# git commit -m "1st commit"
```

```
root@ip-172-31-22-251:~/reactjs-demo# git remote add origin git@github.com:senthilkumarbs11/reactjs.git
```

```
root@ip-172-31-22-251:~/reactjs-demo# git push -u origin master
```

The screenshot shows a web browser with multiple tabs open. The active tab is 'senthilkumarbs11/reactjs' on GitHub. The browser address bar shows 'github.com/senthilkumarbs11/reactjs/tree/master'. The GitHub page displays the repository 'senthilkumarbs11 / reactjs' (Public). The repository has 1 branch and 0 tags. The file list shows the following files and their commit history:

File	Commit	Time
build	1st commit	10 minutes ago
public	Initialize project using Create React App	3 years ago
src	changes	3 years ago
.dockerignore	2nd	1 minute ago
.gitignore	1st commit	10 minutes ago
README.md	Initialize project using Create React App	3 years ago
package-lock.json	1st commit	10 minutes ago
package.json	changes	3 years ago

The right sidebar shows the 'About' section with the text 'No description, website, or topics provided.' and the 'Releases' section with the text 'No releases published' and a link 'Create a new release'. The 'Packages' section shows 'No packages published'.

## DOCKER HUB:

- CREATE 2 REPOS "DEV" AND "PROD" TO PUSH IMAGES.
- "PROD" REPO MUST BE PRIVATE AND "DEV" REPO CAN BE PUBLIC

Browser tabs: Zen Class, DevOps Application Deploy..., EC2 Management Console, senthilkumarbs11/reactjs, Repositories | Docker Hub

Address bar: hub.docker.com/repositories/senthilkumarbs11

Header: Want faster and simpler Kubernetes development? Test out [Telepresence for Docker](#) today.

Navigation: docker hub, Search Docker Hub, Explore, Repositories, Organizations, Help, Upgrade, senthilkumarbs11

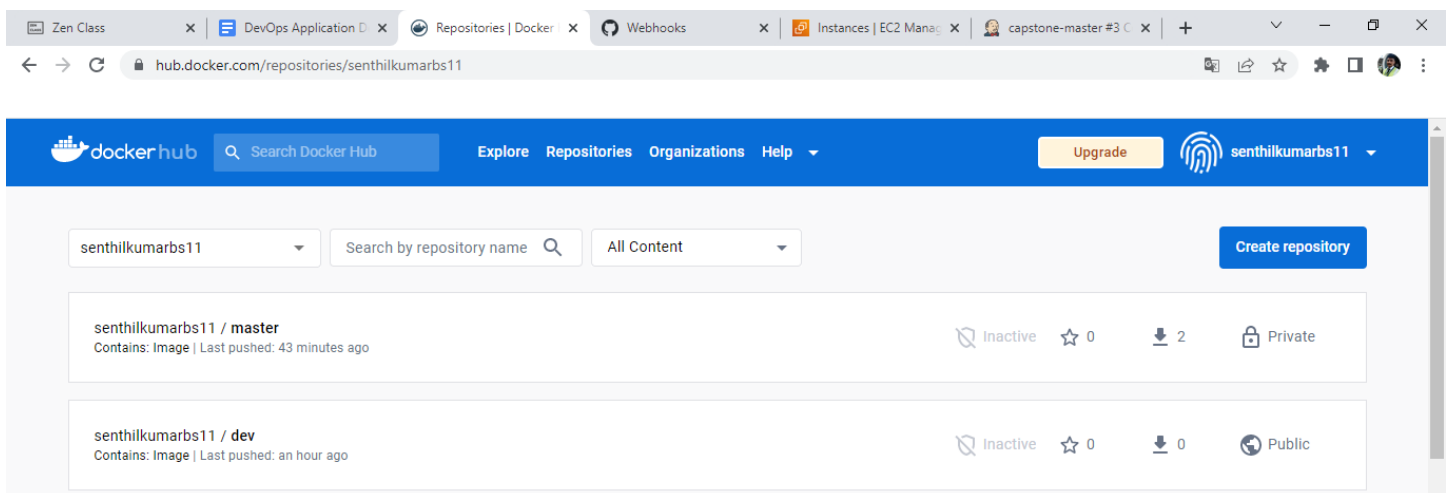
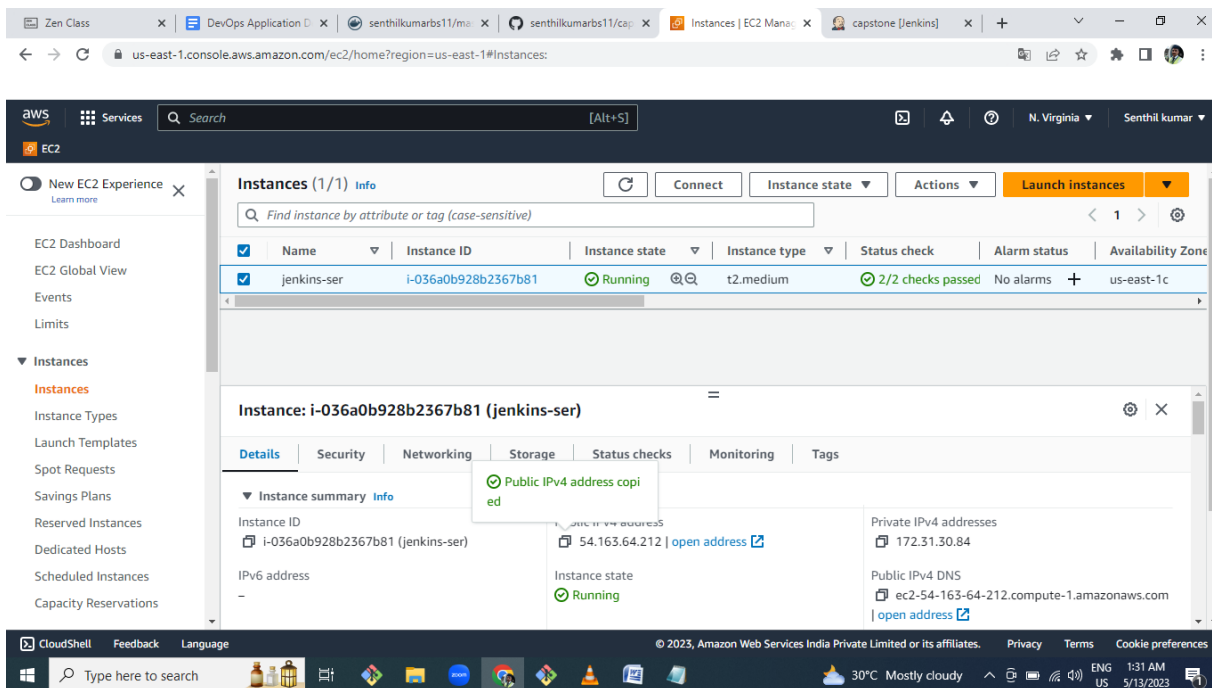
Filters: senthilkumarbs11, Search by repository name, All Content, Create repository

senthilkumarbs11 / <b>prod</b> Contains: No content   Last pushed: a few seconds ago	Inactive	0	0	Private
senthilkumarbs11 / <b>dev</b> Contains: No content   Last pushed: a few seconds ago	Inactive	0	0	Public

## JENKINS:

### INSTALL AND CONFIGURE JENKINS BUILD STEP AS PER NEEDS TO BUILD, PUSH & DEPLOY THE APPLICATION

- CONNECT JENKINS TO THE GITHUB REPO WITH AUTO BUILD TRIGGER FROM BOTH DEV & MASTER BRANCH
- IF CODE PUSHED TO DEV BRANCH, DOCKER IMAGE MUST BUILD AND PUSHED TO DEV REPO IN DOCKER HUB
- IF DEV MERGED TO MASTER, THEN DOCKER IMAGE MUST BE PUSHED TO PROD REPO IN DOCKER HUB



Browser tabs: Zen Class, DevOps Application D, senthilkumarbs11/mo, senthilkumarbs11/cap, Instances | EC2 Mana, Dashboard [Jenkins]

Address bar: Not secure | 54.163.64.212:8080

# Jenkins

Search (CTRL+K) [?] [1] senthil kumar [log out]

Dashboard >

+ New Item [Add description]

People [All +]

Build History

Manage Jenkins

My Views

**Build Queue**  
No builds in the queue.

**Build Executor Status**  
1 Idle  
2 Idle

S	W	Name ↓	Last Success	Last Failure	Last Duration
✓	☀	capstone	16 min #24	1 hr 32 min #19	1 min 4 sec ▶
✓	☁	capstone-master	6 min 39 sec #3	30 min #1	58 sec ▶

Icon: S M L    Icon legend    Atom feed for all    Atom feed for failures    Atom feed for just latest builds

REST API    Jenkins 2.387.3

Windows taskbar: 30°C Mostly cloudy, 1:24 AM, 5/13/2023

## capstone(dev branch) CI/CD pipeline SHELL STEPS

ls

#built

```
npm install
npm run build
ls
```

#creating docker image

```
docker build -t senthilkumarbs11/dev:$version .
docker images
```

#deploy & pushed image

```
docker run -d -p 80:80 --name=capstone$version senthilkumarbs11/dev:$version
sleep 20
docker push senthilkumarbs11/dev:$version
sleep 5
```

#stop & removing container & images

```
docker stop capstone$version
docker rm capstone$version
docker rmi senthilkumarbs11/dev:$version
```

Browser tabs: Zen Class, DevOps Application D, senthilkumarbs11/ma, Webhooks, Instances | EC2 Mana, capstone #24 Console

URL: github.com/senthilkumarbs11/capstone-reactjs/settings/hooks

GitHub interface: Search or jump to..., Pull requests, Issues, Codespaces, Marketplace, Explore

Repository: senthilkumarbs11 / capstone-reactjs (Public)

Navigation: Code, Issues, Pull requests, Projects, Wiki, Security, Insights, Settings

Left sidebar: General, Access, Collaborators, Moderation options, Code and automation (Branches, Tags, Rules, Actions, Webhooks, Environments, Codespaces)

Webhooks section: Add webhook, Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).

Webhook list: ☒ http://54.163.64.212:8080/github-w... (push) [Edit] [Delete]

Windows taskbar: Type here to search, 30°C Mostly cloudy, ENG US, 1:46 AM 5/13/2023

Browser tabs: Zen Class, DevOps Application D, senthilkumarbs11/ma, senthilkumarbs11/cap, Instances | EC2 Mana, capstone #24 Console

URL: 54.163.64.212:8080/job/capstone/24/console

Dashboard > capstone > #24 > Console Output

```
8553b91047da: Waiting
65a5b5771182: Layer already exists
7d243320557e: Layer already exists
ae966f76e0d3: Layer already exists
aeee7e11869b: Layer already exists
20b342b01011: Layer already exists
8dfac7b5c948: Layer already exists
8553b91047da: Layer already exists
latest: digest: sha256:51b533dc10bf362a1dd4e994c9ea1e8473c42dff6608854c68f4f41ac0e30da size: 1780
+ sleep 5
[capstone] $ /bin/sh -xe /tmp/jenkins17584448370307468308.sh
+ docker stop capstonelatest
capstonelatest
+ docker rm capstonelatest
capstonelatest
+ docker rmi senthilkumarbs11/dev:latest
Untagged: senthilkumarbs11/dev:latest
Untagged: senthilkumarbs11/dev@sha256:51b533dc10bf362a1dd4e994c9ea1e8473c42dff6608854c68f4f41ac0e30da
Deleted: sha256:fd6ade82bae8f4668254787a080dfbd64421cddd7eef208d43ac45633343532e
Finished: SUCCESS
```

REST API Jenkins 2.387.3

Windows taskbar: Type here to search, Feels hotter, ENG US, 1:37 AM 5/13/2023



zen Class x DevOps Application D x senthilkumarbs11/dev x senthilkumarbs11/cap x Instances | EC2 Manag x capstone #24 Console x

hub.docker.com/repository/docker/senthilkumarbs11/dev/general

**senthilkumarbs11 / dev**

**Description**  
This repository does not have a description  
Last pushed: 40 minutes ago

**Tags**  
This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
latest		Image	---	40 minutes ago

[See all](#) [Go to Advanced Image Management](#)

**Docker commands**  
To push a new tag to this repository,  
`docker push senthilkumarbs11/dev:tagname`

**Automated Builds**  
Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.  
Available with Pro, Team and Business subscriptions. [Read more about automated builds](#)  
[Upgrade](#)

## capstone-master (MASTER branch) CI/CD pipeline SHELL STEPS

ls

#built

npm install

npm run build

ls

#creating docker image

docker build -t senthilkumarbs11/master:\$version .

docker images

#deploy & pushed image

docker run -d -p 80:80 --name=capstone\$version senthilkumarbs11/master:\$version

sleep 20

docker push senthilkumarbs11/master:\$version

sleep 5

#stop & removing container & images

docker stop capstone\$version

docker rm capstone\$version

docker rmi senthilkumarbs11/master:\$version

Dashboard > capstone-master > #3 > Console Output

```
8dfac7b5c948: Preparing
8553b91047da: Preparing
8dfac7b5c948: Waiting
8553b91047da: Waiting
7d243320557e: Layer already exists
f94a6c93507e: Layer already exists
aeee7e11869b: Layer already exists
20b342b01011: Layer already exists
65a5b5771182: Layer already exists
8dfac7b5c948: Layer already exists
8553b91047da: Layer already exists
latest: digest: sha256:f0d0c7b22999346a965f1f38f9c11d25d72b3f13763be5d9794322574d906dd7 size: 1780
+ sleep 5
[capstone-master] $ /bin/sh -xe /tmp/jenkins14847263638550282678.sh
+ docker stop capstonelatest
capstonelatest
+ docker rm capstonelatest
capstonelatest
+ docker rmi senthilkumarbs11/master:latest
Untagged: senthilkumarbs11/master:latest
Untagged: senthilkumarbs11/master@sha256:f0d0c7b22999346a965f1f38f9c11d25d72b3f13763be5d9794322574d906dd7
Deleted: sha256:a32d47b2cfbee0750f9c26f26a9c0de86e74af240a248133a9103b482259eef7
Finished: SUCCESS
```

## senthilkumarbs11 / master

**Description**

This repository does not have a description

Last pushed: 32 minutes ago

### Tags

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
latest		Image	an hour ago	32 minutes ago

[See all](#) [Go to Advanced Image Management](#)

### Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. [Read more about automated builds](#)

[Upgrade](#)

### README

Repository description is empty. Click [here](#) to edit.

### Docker commands

To push a new tag to this repository,

```
docker push senthilkumarbs11/master:tagname
```

## AWS:

### LAUNCH T2.MICRO INSTANCE AND DEPLOY THE CREATE APPLICATION. CONFIGURE SG AS BELOW:

WHOEVER HAS THE IP ADDRESS CAN ACCESS THE APPLICATION  
LOGIN TO SERVER CAN SHOULD BE MADE ONLY FROM YOUR IP ADDRESS

The screenshot shows the AWS Management Console for the EC2 service. The 'Instances' page displays a single instance named 'capstone' with ID 'i-089b0687234dcbe02'. The instance is in a 'Running' state and is of type 't2.micro'. The instance details section shows the Public IPv4 address as 54.198.163.168 and the Private IPv4 address as 172.31.22.251. The instance is running in the us-east-1c Availability Zone.

The screenshot shows the 'Edit inbound rules' page for the security group 'sg-02a0df5384b300e47'. The page displays two existing inbound rules:

Security group rule ID	Type	Protocol	Port range	Source	Description - optional
sg-r-06b7a30a9d0659862	HTTP	TCP	80	Custom 0.0.0.0/0	
sg-r-0389c00393f2ca6c7	SSH	TCP	22	Custom 157.51.172.66/32	

The 'Add rule' button is visible at the bottom of the page.

## MONITORING:

SETUP A MONITORING SYSTEM TO CHECK THE HEALTH STATUS OF THE APPLICATION. (OPEN-SOURCE)  
SENDING NOTIFICATIONS ONLY IF THE APPLICATION GOES DOWN IS HIGHLY APPRECIABLE

The screenshot shows the AWS Management Console interface. At the top, a green banner indicates that instance `i-08c886b92e218e0a9` has been successfully stopped. Below this, the 'Instances' page displays a table with two instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
jenkins-ser	i-036a0b928b2367b81	Stopped	t2.micro	-	No alarms	us-east-1c
datadog	i-08c886b92e218e0a9	Running	t2.micro	2/2 checks passed	No alarms	us-east-1c

The 'datadog' instance is selected, and its details are shown below. The instance is in the 'Running' state. The public IPv4 address is `54.90.80.210`. The instance summary shows the following details:


- Instance ID: `i-08c886b92e218e0a9` (datadog)
- Public IPv4 address: `54.90.80.210`
- Private IPv4 addresses: `172.31.30.212`
- Instance state: `Running`
- Public IPv4 DNS: `ec2-54-90-80-210.compute-1.amazonaws.com`

The screenshot shows the Datadog Infrastructure List page. The page displays a list of hosts, with the first host `i-0c569e53b5c164760` selected. The host is active and running Linux. The 'Metrics' tab is selected, showing various performance metrics:

- CPU usage (%): 43.54
- Processes memory usage: 17.19
- Load Averages 1-5-15: 0.8, 0.6, 0.4, 0.2

The 'Host Info' section shows the host's name, IP address, and operating system. The 'Metrics' section shows a line graph for CPU usage over time. The 'Processes' section shows a list of running processes and their memory usage. The 'Load Averages' section shows a line graph for load averages over time.

TWO MONITOR TASK ASSIGNED:



Go to...

Watchdog

Service Mgmt

Dashboards

Infrastructure

Monitors

Metrics

Integrations

APM

Welcome, senthill

Get Started

You are 33% done setting up

You have 14 days left in your trial. Upgrade

Views

Monitors

+ Save

Analytics

Settings

+ New Monitor

Manage Monitors

Triggered Monitors

Manage Downtimes

Monitor Quality BETA

Filter monitors

> My Teams

Hide Controls

Showing 1-2 of 2 results

Mute

Resolve

Delete

Edit Tags

Edit Teams

STATUS

MUTED LEFT

NAME ↑

TAGS

TEAM

Triggered

0

OK

CPU OVERLOAD

Alert

0


OK

Server Down

Warn

0

USING STRESS TOOL INCREASED CPU UTILIZATION GOT ALERT NOTIFICATION GOT  
AND SERVERDOWN NOTIFICATION ALSO WHEN SERVER WAS STOPPED



Go to...

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TEAM

Triggered

1

WARN

CPU OVERLOAD

Alert


0

OK

Server Down

Warn

1



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MUTED LEFT

NAME ↑

TAGS

TEAM

Triggered

1

ALERT

CPU OVERLOAD

Alert

1

OK

Server Down

Warn

0

Inbox

Starred

Snoozed

Important

Sent

Drafts 3

Categories

More

Labels +

Personal

Travel

More

Datadog Alerting <alert@datadog.com>

9:34 PM (8 minutes ago)

☆ ↶ ⋮

to me

[P1] Warn: CPU OVERLOAD

CPU LOAD IS VERY HIGH @sparrow.ece@gmail.com

system.cpu.user over host:i-08c886b92e218e0a9 was > 50.0 on average during the last 5m.

Inbox

Starred

Snoozed

Important

Sent

Drafts 3

Categories

More

Labels +

Personal

Travel

More

Triggered: CPU OVERLOAD

Inbox x

🖨️ 📄

Datadog Alerting <alert@datadog.com>

9:36 PM (8 minutes ago)

☆ ↶ ⋮

to me

[P1] Triggered: CPU OVERLOAD

CPU LOAD IS VERY HIGH @sparrow.ece@gmail.com

system.cpu.user over host:i-08c886b92e218e0a9 was > 90.0 on average during the last 5m.

Inbox 1

Starred

Snoozed

Important

Sent

Drafts 3

Categories

More

Labels +

Personal

Triggered: Server Down

Inbox x

🖨️ 📄

Datadog Alerting <alert@datadog.com>

9:50 PM (1 minute ago)

☆ ↶ ⋮

to me

Triggered: Server Down

Dear Team,

kindly look into this issue. @sparrow.ece@gmail.com

