

aws

Services

Search

[Alt+S]

EC2

S3

Elastic Container Registry

Mumbai

Narendiran R

```
ubuntu@ip-172-31-34-240:~$ ls
My-Project  build.sh  capstone  deploy.sh  dockerignore  dockerignore.sh  gitignore  gitignore.sh  package-lock.json  reactapp  reactjs-Project
ubuntu@ip-172-31-34-240:~$ cd capstone
ubuntu@ip-172-31-34-240:~/capstone$ ls
Dockerfile  Jenkinsfile  README.md  build.sh  deploy.sh  docker-compose.yml  package-lock.json  package.json  public  src
ubuntu@ip-172-31-34-240:~/capstone$ cat Dockerfile
# Use the official Node.js image as the base image
FROM node:l4-alpine AS builder

# Set the working directory
WORKDIR /app

# Copy package.json and package-lock.json
COPY package*.json ./

# Install dependencies
RUN npm install

# Copy the rest of the application files
COPY . .

# Build the React application
RUN npm run build

# Use a lightweight web server to serve the production build
```

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```
# Start the Nginx web server
CMD ["nginx", "-g", "daemon off;"]
ubuntu@ip-172-31-34-240:~/capstone$ vi build.sh
ubuntu@ip-172-31-34-240:~/capstone$ vi deploy.sh
ubuntu@ip-172-31-34-240:~/capstone$ docker build -t project .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
             Install the buildx component to build images with BuildKit:
             https://docs.docker.com/go/buildx/

Sending build context to Docker daemon  937.5kB
Step 1/10 : FROM node:14-alpine AS builder
--> 0dac3dc27b1a
Step 2/10 : WORKDIR /app
--> Using cache
--> 156e710ac2ef
Step 3/10 : COPY package*.json ./
--> Using cache
--> 3aefalcef8b2
Step 4/10 : RUN npm install
--> Using cache
--> 0a8710276524
Step 5/10 : COPY . .
--> 953647071703
Step 6/10 : RUN npm run build
--> Running in b5ab546a9fed
```

aws

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Elastic Container Registry

```
Removing intermediate container b5ab546a9fed
--> c98f3842ae7f
Step 7/10 : FROM nginx:alpine
--> b135667c9898
Step 8/10 : COPY --from=builder /app/build /usr/share/nginx/html
--> Using cache
--> 2063146f415a
Step 9/10 : EXPOSE 80
--> Using cache
--> 9bf3dad5b3d5
Step 10/10 : CMD ["nginx", "-g", "daemon off;"]
--> Using cache
--> 973568c9db67
Successfully built 973568c9db67
Successfully tagged project:latest
ubuntu@ip-172-31-34-240:~/capstone$ docker-compose up -d
Creating network "capstone_default" with the default driver
Creating capstone_web_1 ... done
ubuntu@ip-172-31-34-240:~/capstone$ docker-compose down
Stopping capstone_web_1 ... done
Removing capstone_web_1 ... done
Removing network capstone_default
ubuntu@ip-172-31-34-240:~/capstone$ chmod +x build.sh
Command 'chmod' not found, did you mean:
  command 'chmod' from deb coreutils (8.32-4.1ubuntu1)
```

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Narendiran R

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Elastic Container Registry

```
ubuntu@ip-172-31-34-240:~/capstone$ docker-compose down
Stopping capstone_web 1 ... done
Removing capstone_web 1 ... done
Removing network capstone_default
ubuntu@ip-172-31-34-240:~/capstone$ chmod +x build.sh
Command 'chmod' not found, did you mean:
  command 'chmod' from deb coreutils (8.32-4.1ubuntu1)
Try: sudo apt install <deb name>
ubuntu@ip-172-31-34-240:~/capstone$ chmod +x build.sh
Command 'chmod' not found, did you mean:
  command 'chmod' from deb coreutils (8.32-4.1ubuntu1)
Try: sudo apt install <deb name>
ubuntu@ip-172-31-34-240:~/capstone$ docker ps
CONTAINER ID   IMAGE      COMMAND                  CREATED        STATUS        PORTS        NAMES
ubuntu@ip-172-31-34-240:~/capstone$ docker images
REPOSITORY    TAG        IMAGE ID      CREATED        SIZE
<none>        <none>     c98f3842ae7f  3 minutes ago  320MB
<none>        <none>     593ea415d2c1  8 days ago    320MB
<none>        <none>     e6c21daa3529  9 days ago    320MB
<none>        <none>     616614d2cec1  9 days ago    120MB
<none>        <none>     eb3511f592da  9 days ago    912MB
<none>        <none>     aa949d4275b7  11 days ago   1.11GB
<none>        <none>     c6f705690b9a  11 days ago   913MB
<none>        <none>     6add83221ada  11 days ago   913MB
<none>        <none>     99ef5a6c5501  11 days ago   913MB
```

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Elastic Container Registry

```
ubuntu@ip-172-31-34-240:~/capstone$ chmod +x build.sh
Command 'chmod' not found, did you mean:
  command 'chmod' from deb coreutils (8.32-4.1ubuntu1)
Try: sudo apt install <deb name>
ubuntu@ip-172-31-34-240:~/capstone$ chmod +x build.sh
ubuntu@ip-172-31-34-240:~/capstone$ ./build.sh
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
             Install the buildx component to build images with BuildKit:
             https://docs.docker.com/go/buildx/

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--> 3aefalcef8b2
Step 4/10 : RUN npm install
--> Using cache
--> 0a8710276524
Step 5/10 : COPY . .
--> Using cache
--> 953647071703
```

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```
Step 5/10 : COPY . .
--> Using cache
--> 953647071703
Step 6/10 : RUN npm run build
--> Using cache
--> c98f3842ae7f
Step 7/10 : FROM nginx:alpine
--> b135667c9898
Step 8/10 : COPY --from=builder /app/build /usr/share/nginx/html
--> Using cache
--> 2063146f415a
Step 9/10 : EXPOSE 80
--> Using cache
--> 9bf3dad5b3d5
Step 10/10 : CMD ["nginx", "-g", "daemon off;"]
--> Using cache
--> 973568c9db67
Successfully built 973568c9db67
Successfully tagged project:latest
Removing network capstone_default
WARNING: Network capstone_default not found.
Creating network "capstone_default" with the default driver
Creating capstone_web_1 ... done
ubuntu@ip-172-31-34-240:~/capstone$
ubuntu@ip-172-31-34-240:~/capstone$
```

#	Name
---	------

```
ubuntu@ip-172-31-35-195:~$ ls
capstone-project
ubuntu@ip-172-31-35-195:~$ cd capstone-project
ubuntu@ip-172-31-35-195:~/capstone-project$ ls
Dockerfile Jenkinsfile README.md build.sh deploy.sh docker-compose.yml package-lock.json package.json public src
ubuntu@ip-172-31-35-195:~/capstone-project$ docker pull narendiranr2/dev:latest
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Post "http://%2Fvar%2Frun%2Fdocker.sock/images/create?fromImage=narendiranr2%2Fdev&tag=latest": dial unix /var/run/docker.sock: connect: permission denied
ubuntu@ip-172-31-35-195:~/capstone-project$ sudo chmod 777 /var/run/docker.sock
ubuntu@ip-172-31-35-195:~/capstone-project$ docker pull narendiranr2/dev:latest
latest: Pulling from narendiranr2/dev
96526aa774ef: Pull complete
740091335c74: Pull complete
da9c2e764c5b: Pull complete
ade17ad21ef4: Pull complete
4e6f462c8a69: Pull complete
1324d9977cd2: Pull complete
1b9b96da2c74: Pull complete
153aef7ca07f: Pull complete
241cae4414e6: Pull complete
Digest: sha256:ed217e03a7587a087bcd785b0467c89a31e7e0cffb177aca44d7dfa4c4b6ea2
Status: Downloaded newer image for narendiranr2/dev:latest
docker.io/narendiranr2/dev:latest
ubuntu@ip-172-31-35-195:~/capstone-project$
```



## Configure

-  General
-  Advanced Project Options
-  Pipeline


## General

Enabled 

Description

main

Plain text [Preview](#)

- ☐ Discard old builds 
- ☐ Do not allow concurrent builds
- ☐ Do not allow the pipeline to resume if the controller restarts

☒ GitHub project

Project url 


https://github.com/NARENDIR/capstone-project.git/

## Configure

 General

 Advanced Project Options

 Pipeline

☐ Throttle builds ?

### Build Triggers

☐ Build after other projects are built ?

☐ Build periodically ?

☒ GitHub hook trigger for GITScm polling ?

☐ Poll SCM ?

☐ Quiet period ?

☐ Trigger builds remotely (e.g., from scripts) ?

### Advanced Project Options

Advanced ▾




### Pipeline

Definition

Save

Apply

## Configure

-  General
-  Advanced Project Options
-  Pipeline

Git

Repositories ?

Repository URL ?

https://github.com/NARENDIR/capstone-project.git

Credentials ?

- none -

Add ▾

Advanced ▾

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

\*/dev

Save

Apply

Dashboard > main > #5

- Edit Build Information
- Delete build '#5'
- Git Build Data
- Restart from Stage
- Replay
- Pipeline Steps
- Workspaces
- Previous Build

```
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/main
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/main/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/NARENDIR/capstone-project.git # timeout=10
Fetching upstream changes from https://github.com/NARENDIR/capstone-project.git
> git --version # timeout=10
> git --version # 'git version 2.34.1'
> git fetch --tags --force --progress -- https://github.com/NARENDIR/capstone-project.git
+refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/dev^{commit} # timeout=10
Checking out Revision 18fc9ae6ced7efe53f0b5f7d0bba910cd62cfb32 (refs/remotes/origin/dev)
> git config core.sparsecheckout # timeout=10
> git checkout -f 18fc9ae6ced7efe53f0b5f7d0bba910cd62cfb32 # timeout=10
Commit message: "Update build.sh"
> git rev-list --no-walk 18fc9ae6ced7efe53f0b5f7d0bba910cd62cfb32 # timeout=10
```

```
##### Opening
38067ed663bf: Waiting
854101110f63: Waiting
81fdcc81a9d0: Waiting
cc2447e1835a: Waiting
901e6dddcc99: Layer already exists
f126bda54112: Layer already exists
c6816550ed69: Layer already exists
4b701b99fec7: Layer already exists
01e36c0e0b84: Layer already exists
81fdcc81a9d0: Layer already exists
854101110f63: Layer already exists
cc2447e1835a: Layer already exists
38067ed663bf: Layer already exists
latest: digest: sha256:ed217e03a7587a087bcd785b0467c89a31e7e0cffb177aca44d7dfa4c4b6ea2 size: 2199
[Pipeline] }
[Pipeline] // stage
[Pipeline] }
[Pipeline] // withEnv
[Pipeline] }
[Pipeline] // node
[Pipeline] End of Pipeline
Finished: SUCCESS
```

Dashboard > main >

📄 Status

</> Changes

▶ Build Now

⚙️ Configure

🗑️ Delete Pipeline

🔍 Full Stage View

🐙 GitHub

✎ Rename

❓ Pipeline Syntax

📄 GitHub Hook Log

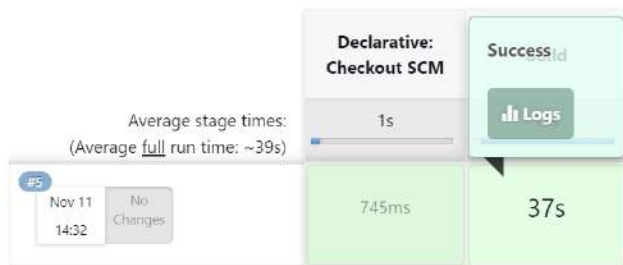
## Pipeline main

main

✎ Edit description

Disable Project

### Stage View



#	Name
---	------

TAG

[latest](#)

Last pushed 5 days ago by [narendiranr2](#)

DIGEST

[ed217e03a758](#)

OS/ARCH

linux/amd64

LAST PULL

5 days ago

COMPRESSED SIZE

19.38 MB

docker pull narendiranr2/dev:lat\_



- General
- Tags
- Builds
- Collaborators
- Webhooks
- Settings



Add a short description for this repository

Update

The short description is used to index your content on Docker Hub and in search engines. It's visible to users in search results.



narendiranr2 / dev

Description

This repository does not have a description



Last pushed: 3 days ago

Docker commands

Public View

To push a new tag to this repository:

```
docker push narendiranr2/dev:tagname
```

Tags

This repository contains 1 tag(s).

Automated Builds

Manually pushing images to Hub? Connect your account to GitHub or

aws

Services

Search

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EC2

S3

Elastic Container Registry

```
ubuntu@ip-172-31-45-130:~$ cd node_exporter-1.7.0.linux-amd64
ubuntu@ip-172-31-45-130:~/node_exporter-1.7.0.linux-amd64$ ./node_exporter
ts=2023-11-14T10:15:18.417Z caller=node_exporter.go:192 level=info msg="Starting node_exporter" version="(version=1.7.0, branch=HEAD, buildDate=2023-11-14T10:15:18Z)"
ts=2023-11-14T10:15:18.418Z caller=node_exporter.go:193 level=info msg="Build context" build_context="(go=go1.21.4, platform=linux/amd64, compiler=gc, buildmode=release, ldflags=-s -w)"
ts=2023-11-14T10:15:18.418Z caller=diskstats_common.go:111 level=info collector=diskstats msg="Parsed flag --collector.diskstats.path=/dev/disk"
ts=2023-11-14T10:15:18.419Z caller=filesystem_common.go:111 level=info collector=filesystem msg="Parsed flag --collector.filesystem.mount-points=[/var/lib/docker/./+|var/lib/containers/storage/./+]"
ts=2023-11-14T10:15:18.419Z caller=filesystem_common.go:113 level=info collector=filesystem msg="Parsed flag --collector.filesystem.mount-fs-types=[debugfs|devpts|devtmpfs|fusectl|hugetlbfs|iso9660|mqqueue|nsfs|overlay|proc|procfs|pstore|rpc_pipefs|securityfs|selinuxfs|sysfs|var/lib/docker/./+|var/lib/containers/storage/./+]"
ts=2023-11-14T10:15:18.420Z caller=node_exporter.go:110 level=info msg="Enabled collectors"
ts=2023-11-14T10:15:18.420Z caller=node_exporter.go:117 level=info collector=arp
ts=2023-11-14T10:15:18.420Z caller=node_exporter.go:117 level=info collector=bcache
ts=2023-11-14T10:15:18.421Z caller=node_exporter.go:117 level=info collector=bonding
ts=2023-11-14T10:15:18.421Z caller=node_exporter.go:117 level=info collector=btrfs
ts=2023-11-14T10:15:18.421Z caller=node_exporter.go:117 level=info collector=conntrack
ts=2023-11-14T10:15:18.421Z caller=node_exporter.go:117 level=info collector=cpu
ts=2023-11-14T10:15:18.421Z caller=node_exporter.go:117 level=info collector=cputime
ts=2023-11-14T10:15:18.421Z caller=node_exporter.go:117 level=info collector=diskstats
ts=2023-11-14T10:15:18.422Z caller=node_exporter.go:117 level=info collector=dmi
ts=2023-11-14T10:15:18.422Z caller=node_exporter.go:117 level=info collector=edac
ts=2023-11-14T10:15:18.422Z caller=node_exporter.go:117 level=info collector=entropy
ts=2023-11-14T10:15:18.422Z caller=node_exporter.go:117 level=info collector=fibrechannel
ts=2023-11-14T10:15:18.422Z caller=node_exporter.go:117 level=info collector=filefd
ts=2023-11-14T10:15:18.422Z caller=node_exporter.go:117 level=info collector=filesystem
```

i-09824bfd57a936577 (Target-server)

PublicIPs: 13.234.111.0 PrivateIPs: 172.31.45.130



Services

Search

[Alt+S]



EC2



S3



Elastic Container Registry

```
;config_file = /etc/grafana/ldap.toml
;allow_sign_up = true
```

```
# LDAP background sync (Enterprise only)
# At 1 am every day
;sync_cron = "0 0 1 * * *"
;active_sync_enabled = true
```

```
##### SMTP / Emailing #####
```

```
[smtp]
```

```
enabled = true
```

```
host = smtp.gmail.com:465
```

```
user = narendiran385@gmail.com
```

```
# If the password contains # or ; you have to wrap it with triple quotes. Ex ""#password;""
```

```
password = ""ipgx tnfi koih csvz""
```

```
;cert_file =
```

```
;key_file =
```

```
skip_verify = true
```

```
from_address = narendiran385@gmail.com
```

```
from_name = Grafana
```

```
# EHLO identity in SMTP dialog (defaults to instance_name)
```

```
;ehlo_identity = dashboard.example.com
```

```
# SMTP startTLS policy (defaults to 'OpportunisticStartTLS')
```

```
;startTLS_policy = NoStartTLS
```

# Targets

All

Unhealthy

node (2/2 up)

show less




Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
<a href="http://13.234.111.0:9100/metrics">http://13.234.111.0:9100/metrics</a>	UP	<div>instance="13.234.111.0:9100"</div> <div>job="node"</div>	13.260s	16.029ms	
<a href="http://prometheus-1:9100/metrics">http://prometheus-1:9100/metrics</a>	UP	<div>instance="prometheus-1:9100"</div> <div>job="node"</div>	5.546s	13.071ms	

prometheus (1/1 up)











show less

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
<a href="http://localhost:9090/metrics">http://localhost:9090/metrics</a>	UP	<div>instance="localhost:9090"</div> <div>job="prometheus"</div>	853.000ms	6.061ms	

← → ↻ ⚠ Not secure 13.234.111.0:9100/metrics

 Gmail  YouTube  Maps

```
# HELP go_gc_duration_seconds A summary of the pause duration of garbage collection cycles.
# TYPE go_gc_duration_seconds summary
go_gc_duration_seconds{quantile="0"} 2.1252e-05
go_gc_duration_seconds{quantile="0.25"} 4.2577e-05
go_gc_duration_seconds{quantile="0.5"} 4.4777e-05
go_gc_duration_seconds{quantile="0.75"} 6.5176e-05
go_gc_duration_seconds{quantile="1"} 0.000141804
go_gc_duration_seconds_sum 0.012857812
go_gc_duration_seconds_count 239
# HELP go_goroutines Number of goroutines that currently exist.
# TYPE go_goroutines gauge
go_goroutines 9
# HELP go_info Information about the Go environment.
# TYPE go_info gauge
go_info{version="go1.21.4"} 1
# HELP go_memstats_alloc_bytes Number of bytes allocated and still in use.
# TYPE go_memstats_alloc_bytes gauge
go_memstats_alloc_bytes 2.047576e+06
# HELP go_memstats_alloc_bytes_total Total number of bytes allocated, even if freed.
# TYPE go_memstats_alloc_bytes_total counter
go_memstats_alloc_bytes_total 4.37162344e+08
# HELP go_memstats_buck_hash_sys_bytes Number of bytes used by the profiling bucket hash table.
# TYPE go_memstats_buck_hash_sys_bytes gauge
go_memstats_buck_hash_sys_bytes 1.533735e+06
# HELP go_memstats_frees_total Total number of frees.
# TYPE go_memstats_frees_total counter
go_memstats_frees_total 5.387976e+06
# HELP go_memstats_gc_sys_bytes Number of bytes used for garbage collection system metadata.
# TYPE go_memstats_gc_sys_bytes gauge
go_memstats_gc_sys_bytes 4.228608e+06
# HELP go_memstats_heap_alloc_bytes Number of heap bytes allocated and still in use.
# TYPE go_memstats_heap_alloc_bytes gauge
go_memstats_heap_alloc_bytes 2.047576e+06
# HELP go_memstats_heap_idle_bytes Number of heap bytes waiting to be used.
# TYPE go_memstats_heap_idle_bytes gauge
```



Whitelisted Cookies

Add Name

Add

Auth

Basic auth

With Credentials

TLS Client Auth

With CA Cert

Skip TLS Verify

Forward OAuth Identity

Custom HTTP Headers

+ Add header

Scrape interval

15s

Query timeout

60s

HTTP Method

Choose

Misc

Disable metrics lookup

Custom query parameters

Example: max\_source\_resolution=5m&timeout=10

✓ Data source is working

Save & Test

Delete

Back



## Import

Import dashboard from file or Grafana.com

### Options

Name

Node Exporter Full

Folder

General

Unique Identifier (uid)

The unique identifier (uid) of a dashboard can be used for uniquely identify a dashboard between multiple Grafana installs. The uid allows having consistent URLs for accessing dashboards so changing the title of a dashboard will not break any bookmarked links to that dashboard.

rYdddlPWk


Change uid


Prometheus




Prometheus

Import


Cancel



Q Search or jump to...  ctrl+k

+   

Home > Alerting > Contact points

 Alerting

Alert rules

Contact points

Notification policies


Silences

Groups

Admin

## Contact points

Choose how to notify your contact points when an alert instance fires

Alertmanager  Grafana

### Update contact point

Name \*

grafana-default-email

Integration

Email

Addresses

You can enter multiple email addresses using a ",", "\n" or ";" separator

narendiran385@gmail.com


> Optional Email settings

Test

Duplicate

Delete





Search or jump to...

ctrl+k

+ ⓘ 📶 🧑

Home > Alerting > Alert rules > Edit rule

Save ruleSave rule and exitCancelDelete

Alerting

Alert rules

Contact points

Notification policies

Silences

Groups

Admin

## 2. Define query and alert condition

Define queries and/or expressions and then choose one of them as the alert rule condition. This is the threshold that an alert rule must meet or exceed in order to fire.

[Need help?](#)

A

Prometheus

Options

10 minutes, MD = 43200, Min. Interval = 1s

Set as alert condition

Kick start your query

Explain

Run queries

Builder

Code

Metric

Label filters

node\_cpu\_seconds\_total

cpu

=

0

x

+

+ Operations

hint: add rate

node\_cpu\_seconds\_total{cpu="0"}

> Options

Legend: Auto

Format: Time series

Step: auto

Type: Instant



aws

Services

Q Search

[Alt+S]

EC2

S3

Elastic Container Registry

```
Fetches 18.4 kB in 0s (1298 kB/s)
Selecting previously unselected package stress.
(Reading database ... 104867 files and directories currently installed.)
Preparing to unpack .../stress_1.0.5-1_amd64.deb ...
Unpacking stress (1.0.5-1) ...
Setting up stress (1.0.5-1) ...
Processing triggers for man-db (2.10.2-1) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
ubuntu@ip-172-31-45-130:~$ stress --cpu 1 --timeout 30
stress: info: [4504] dispatching hogs: 1 cpu, 0 io, 0 vm, 0 hdd
stress: info: [4504] successful run completed in 30s
ubuntu@ip-172-31-45-130:~$ stress --cpu 1 --timeout 30
stress: info: [4515] dispatching hogs: 1 cpu, 0 io, 0 vm, 0 hdd
stress: info: [4515] successful run completed in 30s
ubuntu@ip-172-31-45-130:~$
```

