1. URL01
- https://github.com/18120211/devops-udacity-project3
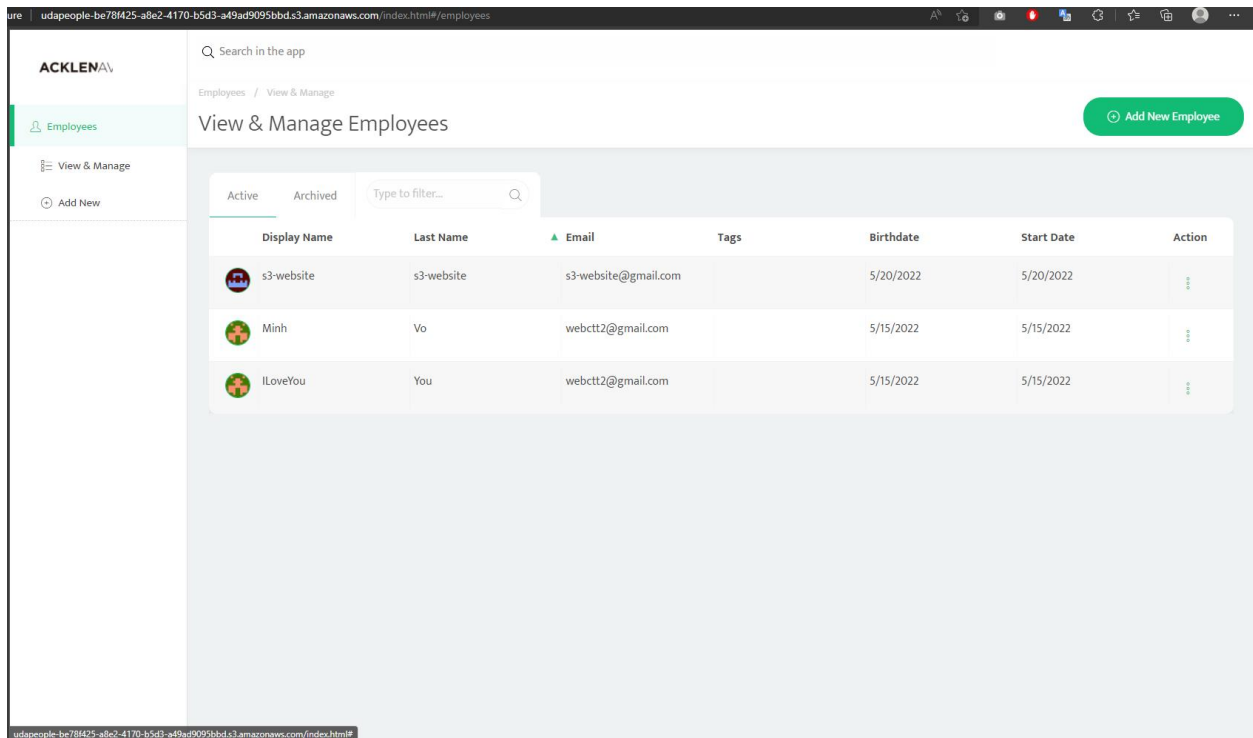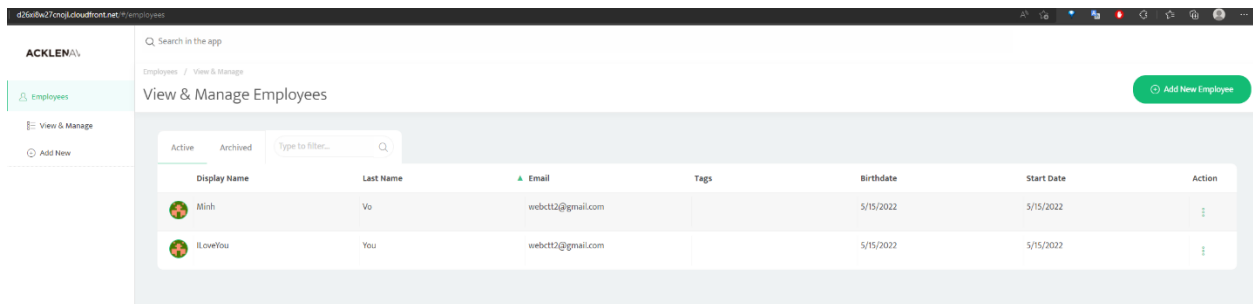2. URL02
- S3: http://udapeople-be78f425-a8e2-4170-b5d3-a49ad9095bbd.s3.amazonaws.com/index.html
- API_URL in this run: http://54.172.120.47:3030
- CloudFront: d26xi8w27cnojl.cloudfront.net

3. URL03_SCREENSHOT.png

4. URL04_SCREENSHOT.png

5. URL05_SCREENSHOT.png

6. SCREENSHOT01.png

7. SCREENSHOT02.png

8. SCREENSHOT03.png

9. SCREENSHOT04.png

10. SCREENSHOT05.png

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Võ Thế Minh

- Dashboard
- Projects
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- Plan

Can't find an organization?
Check permissions and update access to the ones you want.

⊙ deploy-infrastructure   🔴 Failed

Duration / Finished	Queued	Executor / Resource Class	Branch	Commit	Author & Message
⏱ 15s / 3m ago	⧗ 0s	🐳 Docker / Large ⓘ	⑂ main	⊷ 0db9a7b	🧑 update docker images

STEPS   TESTS ●   TIMING ● BETA   ARTIFACTS ●   RESOURCES ● NEW

- ▶ ✅ Spin up environment
- ▶ ✅ Preparing environment variables
- ▶ ✅ Checkout code
- ▼ 🔴 Ensure back-end infrastructure exists

```
1  #!/bin/bash -eo pipefail
2  aws cloudformation deploy \
3    --template-file .circleci/files/backend.yml \
4    --tags project=udacity-project3 \
5    --stack-name "udacity-project3-backend" \
6    --parameter-overrides ID=${CIRCLE_WORKFLOW_ID}
7
8
9  An error occurred (ValidationError) when calling the CreateChangeSet operation: Template format error: Unrecognized resource types: [AWS::EC2::SecurityGroupss]
10
11 Exited with code exit status 255
12 CircleCI received exit code 255
```

11. SCREENSHOT06.png

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- Dashboard
- Projects
- Insights
- Organization Settings
- Plan

Can't find an organization?
Check permissions and update access to the ones you want.

- Notifications
- Status OPERATIONAL
- Docs
- Orbs
- Support

Duration / Finished	Queued	Executor / Resource Class	Branch	Commit	Author & Message
⏱ 19s / 21s ago	⧗ 0s	🐳 Docker / Large ⓘ	⑂ develop	⊷ b279352	🧑 sc06

STEPS   TESTS   TIMING BETA   ARTIFACTS   RESOURCES ● NEW

- ▶ ✅ Spin up environment
- ▶ ✅ Preparing environment variables
- ▶ ✅ Checkout code
- ▼ 🔴 Backend smoke test.

```
1  #!/bin/bash -eo pipefail
2  export BACKEND_URI=$(aws ec2 describe-instances --filters "Name=tag:Name,Values=backend-${CIRCLE_WORKF
3    --query 'Reservations[*].Instances[0].PublicIpAddress' --output text):3030/api/status
4  echo "-------------------- Backend url -----------------------"
5  echo $BACKEND_URL
6  if curl $BACKEND_URL | grep "ok"
7  then
8    exit 1
9  else
10   exit 1
11 fi
12
13 -------------------- Backend url -----------------------
14 ********************************
15   % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
16                                  Dload  Upload   Total   Spent    Left  Speed
17 100    37  100    37    0     0  11690      0 --:--:-- --:--:-- --:--:-- 12333
18 {"status":"ok","environment":"local"}
19
20 Exited with code exit status 1
21 CircleCI received exit code 1
```

12. SCREENSHOT07.png

```
1    #!/bin/bash -eo pipefail
2    # export FRONTEND_URL="http://udapeople-${CIRCLE_WORKFLOW_ID}.s3-website-us-east-1.amazonaws.com/index.html"
3    export FRONTEND_URL="https://udapeople-6bf69038-743f-46ee-a32b-847a0af996a5.s3.amazonaws.com/index.html"
4    echo "------------------- Frontend url -----------------------"
5    echo $FRONTEND_URL
6    if curl $FRONTEND_URL | grep "Welcome"
7    then
8      exit 0
9    else
10     exit 1
11   fi
12
13   ------------------- Frontend url -----------------------
14   https://udapeople-6bf69038-743f-46ee-a32b-847a0af996a5.s3.amazonaws.com/index.html
15     % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
16                                    Dload  Upload   Total   Spent    Left  Speed
17   100   243    0   243    0     0   2502      0 --:--:-- --:--:-- --:--:--  2505
18
19   Exited with code exit status 1
20   CircleCI received exit code 1
```

✅ **Destroy environments**

```
1    #!/bin/bash -eo pipefail
2    aws s3 rb "s3://udapeople-${CIRCLE_WORKFLOW_ID}" --force
3    aws cloudformation delete-stack --stack-name "udapeople-frontend-${CIRCLE_WORKFLOW_ID}"
4    aws cloudformation delete-stack --stack-name "udapeople-backend-${CIRCLE_WORKFLOW_ID}"
5
6    delete: s3://udapeople-978dd232-2bed-45d9-865a-ea393c1eeb05/224b6d9d16679dab02826a2a7ea705eb.ttf
7    delete: s3://udapeople-978dd232-2bed-45d9-865a-ea393c1eeb05/1ceff9123b66b50a7d3cb5b221160855.eot
8    delete: s3://udapeople-978dd232-2bed-45d9-865a-ea393c1eeb05/index.html
9    delete: s3://udapeople-978dd232-2bed-45d9-865a-ea393c1eeb05/7d234c755f55c47d2c5a.js
10   delete: s3://udapeople-978dd232-2bed-45d9-865a-ea393c1eeb05/bundle.js
11   delete: s3://udapeople-978dd232-2bed-45d9-865a-ea393c1eeb05/images/6ab15f4239b7d187935cf6f4ec3313bf-kiwi.svg
12   delete: s3://udapeople-978dd232-2bed-45d9-865a-ea393c1eeb05/bf2256d01e8706ab5646.js
13   delete: s3://udapeople-978dd232-2bed-45d9-865a-ea393c1eeb05/2fa692cd55bfc83c228c0ab271e4388c.woff
14   remove_bucket: udapeople-978dd232-2bed-45d9-865a-ea393c1eeb05
15   CircleCI received exit code 0
```

✅ **Revert migrations**

```
1    #!/bin/bash -eo pipefail
```

13. SCREENSHOT08.png

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- Dashboard
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Can't find an organization?
Check permissions and update access to the ones you want.

Dashboard   Project   Branch   Workflow   Job

All Pipelines > devops-udacity-project3 > main > default > cloudfront-update (391)

cloudfront-update ✅ Success

Duration / Finished	Queued	Executor / Resource Class	Branch	Commit	Author & Message
⏱ 3m 27s / 7h ago	⧗ 0s	🐳 Docker / Large ↗ ⓘ	⑂ main	⚬ 164fe1a	👤 fix

STEPS   TESTS ●   TIMING ● BETA   ARTIFACTS ●   RESOURCES ● NEW

▸ ✅ Spin up environment

▸ ✅ Preparing environment variables

▸ ✅ Checkout code

▾ ✅ Update cloudfront distribution

```
1  #!/bin/bash -eo pipefail
2  aws cloudformation deploy \
3    --template-file .circleci/files/cloudfront.yml \
4    --tags project=udacity-project3 \
5    --stack-name udapeople-cloudfront-${CIRCLE_WORKFLOW_ID} \
6    --parameter-overrides WorkflowID=${CIRCLE_WORKFLOW_ID}
7
8
9  Waiting for changeset to be created..
10 Waiting for stack create/update to complete
11 Successfully created/updated stack - udapeople-cloudfront-f738e3ad-1cc4-4dc4-b4ae-d52a47f0245e
12 CircleCI received exit code 0
```

- Notifications
- Status OPERATIONAL
- Docs
- Orbs
- Support

14. SCREENSHOT09.png

15. SCREENSHOT10.png

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- Dashboard
- Projects
- Insights
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- Plan

Can't find an organization?
Check permissions and update access to the ones you want.

Dashboard Project Branch Workflow

All Pipelines > devops-udacity-project3 > develop > default

default ✓ Success

Duration / Finished	Branch	Commit	Author & Message
⏱ 1m 36s / 17h ago	⌥ develop	⊶ 0c3acbd	👤 add sc09

✓ build-frontend	32s

✓ scan-frontend	40s

✓ test-frontend	58s

✓ build-backend	26s

✓ scan-backend	52s

✓ test-backend	47s

16. SCREENSHOT11.png
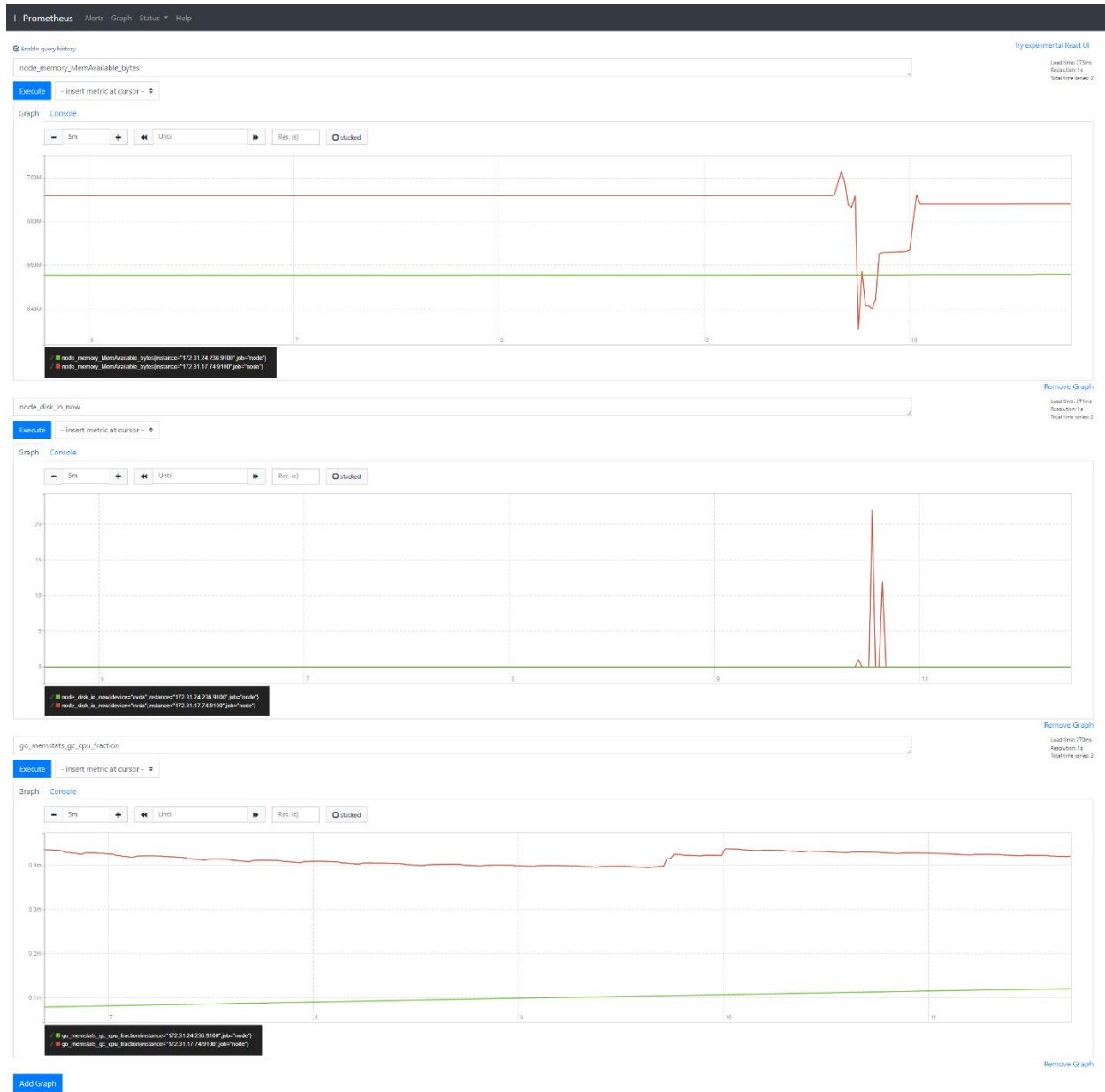
17. SCREENSHOT12.png

[FIRING:2] (InstanceDown node critical) ∑ Hộp thư đến ×

minhthevotemp@gmail.com
2 alerts for View in AlertManager [2] Firing Labels alertname = InstanceDown instance = 172.31.2.166:9100 job = node severity = critical Annotations description

minhthevotemp@gmail.com
tới tôi ▾

文A   Tiếng Anh ▾   >   Tiếng Việt ▾   Dịch thư

<div style="border:1px solid #eee;">

3 alerts for

View in AlertManager

[3] Firing

Labels
alertname = InstanceDown
instance = 172.31.17.74:9100
•••

Labels
alertname = InstanceDown
instance = 172.31.2.166:9100
job = node
severity = critical
Annotations
description = of job has been down for more than 1 minutes.
summary = Instance is down
Source

Labels
alertname = InstanceDown
instance = 172.31.93.242:9100
job = node
severity = critical
Annotations
description = of job has been down for more than 1 minutes.
summary = Instance is down
Source

Sent by AlertManager

</div>