

UdaPeople Software Screenshots

Project Engineer: Lukman E. ISMAILA

1. Job failed because of compile errors. [SCREENSHOT01]

The screenshot shows a CI/CD pipeline interface for a user named 'ismailukman'. The pipeline has three steps: 'Preparing environment variables' (0s), 'Checkout code' (0s), and 'Restoring cache' (4s). The 'backend test' step is highlighted in red, indicating a failure, with a duration of 43s. The terminal output for the 'backend test' step shows a Jest test failure. The error message is: 'npm ERR! Failed at the glee281.0.0 test script. npm ERR! This is probably not a problem with npm. There is likely additional logging output above. npm ERR! A complete log of this run can be found in: npm ERR! /home/circleci/.npm/_logs/2022-07-27T11_32_05_1002-debug.log'. The test suite summary shows 1 failed, 50 passed, and 51 total tests.

2. Job failed because of unit tests. [SCREENSHOT02]

The screenshot shows a CI/CD pipeline interface for a user named 'ismailukman'. The pipeline has three steps: 'Preparing environment variables' (0s), 'Checkout code' (0s), and 'Restoring cache' (6s). The 'frontend test' step is highlighted in red, indicating a failure, with a duration of 54s. The terminal output for the 'frontend test' step shows a Jest test failure. The error message is: 'npm ERR! Failed at the typescript-react-redux-boilerplate@1.0.0 test script. npm ERR! This is probably not a problem with npm. There is likely additional logging output above. npm ERR! A complete log of this run can be found in: npm ERR! /home/circleci/.npm/_logs/2022-07-27T11_32_22_4682-debug.log'. The test suite summary shows 1 failed, 11 passed, and 12 total tests.

3. Job that failed because of vulnerable packages. [SCREENSHOT03]

ismailukman

ismailukman@gmail...

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scan backend

24s

Your output is too large to display in the browser. Only the last 40000 characters are displayed.

Download the full output as a file

Moderate

Prototype Pollution in Ajv

Package

ajv

Patched in

>=6.12.3

Dependency of

winston-loggly-bulk

Path

winston-loggly-bulk > node-loggly-bulk > request > har-validator > ajv

More info

https://github.com/advisories/GHSA-v88g-cgmv-v5wv

High

Crash in HeaderParser in dicer

Package

dicer

Patched in

No patch available

Dependency of

@nestjs/platform-express

Path

@nestjs/platform-express > mltier > busboy > dicer

More info

https://github.com/advisories/GHSA-wm7h-9275-46w2

found 641 vulnerabilities (2 low, 143 moderate, 371 high, 125 critical) in 1389 scanned packages

run npm audit fix to fix 499 of them.

135 vulnerabilities require semver-major dependency updates.

7 vulnerabilities require manual review. See the full report for details.

Exited with code exit status 1

CircleCI received exit code 1

4. An alert from one of your failed builds. [SCREENSHOT04]

Uh-oh, this workflow did not succeed.

Author

ismailukman

Project

ismailukman/cdond-c3-projectstarter

Workflow

default

Branch

master

Commit

Project ansible install fca6f5b

Jobs

build-backend

Success

test-backend

Success

build-frontend

Success

scan-backend

Success

scan-frontend

Success

test-frontend

Success

deploy-infrastructure

Success

configure-infrastructure

Failed

You're receiving this email because you follow ismailukman/cdond-c3-projectstarter on CircleCI

5. Appropriate job failure for infrastructure creation. [SCREENSHOT05]

ismailukman
ismailukman@gmail...

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STEPS TESTS TIMING ARTIFACTS RESOURCES

Parallel runs
0 01:21 Use parallelism to run faster tests
Parallelism speeds up tests by splitting them across multiple executors. Go to Docs

- Spin up environment 1s
- Preparing environment variables 0s
- Checkout code 0s
- Install dependencies 6s
- Ensure back-end infrastructure exists 1m 12s

```
1 #!/bin/bash -eo pipefail
2 aws cloudformation deploy \
3   --template-file .circleci/files/backend.yml \
4   --stack-name "udapeople-backend-${CIRCLE_WORKFLOW_ID:0:7}" \
5   --parameter-overrides ID="${CIRCLE_WORKFLOW_ID:0:7}" \
6   --tags project:udapeople
7
8
9
10 Waiting for changeset to be created..
11 Waiting for stack create/update to complete
12
13 Failed to create/update the stack. Run the following command
14 to fetch the list of events leading up to the failure
15 aws cloudformation describe-stack-events --stack-name udapeople-backend-e61f293
16
17 Exited with code exit status 255
18 CircleCI received exit code 255
```

6. Appropriate job failure for the smoke test job. [SCREENSHOT06]

ismailukman
ismailukman@gmail...

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STEPS TESTS TIMING ARTIFACTS RESOURCES

Parallel runs
0 00:44 Use parallelism to run faster tests
Parallelism speeds up tests by splitting them across multiple executors. Go to Docs

- Spin up environment 3s
- Preparing environment variables 0s
- Checkout code 0s
- Install Node.js 13 31s
- Install AWS cli 3s
- Backend smoke test. 1s
- Frontend smoke test. 0s

```
1 #!/bin/bash -eo pipefail
2 FRONTEND_WEBSITE=http://udapeople-${CIRCLE_WORKFLOW_ID:0:7}.n3-website.${AWS_DEFAULT_REGION}.amazonaws.com
3 echo $FRONTEND_WEBSITE
4 if curl -s $FRONTEND_WEBSITE | grep "Welcome"
5 then
6   exit 1
7 else
8   exit 1
9 fi
10
11 http://udapeople-17a6703.n3-website.*****.amazonaws.com
12 Welcome
13
14 Exited with code exit status 1
15 CircleCI received exit code 1
```

- Destroy environments 3s

7. Successful rollback after a failed smoke test. [SCREENSHOT07]

ismailukman
ismailukman@gmail...

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Frontend smoke test.

```
1 #!/bin/bash -eo pipefail
2 FRONTEND_WEBSITE=http://udapeople-${CIRCLE_WORKFLOW_ID:0:7}.s3-website.${AWS_DEFAULT_REGION}.amazonaws.com
3 echo $FRONTEND_WEBSITE
4 if curl -s $FRONTEND_WEBSITE | grep "Welcome"
5 then
6   exit 1
7 else
8   exit 1
9 fi
10
11 http://udapeople-17a6703.s3-website.*****.amazonaws.com
12 Welcome
13
14 Exited with code exit status 1
15 CircleCI received exit code 1
```

Destroy environments

```
1 #!/bin/bash -eo pipefail
2 # Your code here
3 aws s3 rm s3://udapeople-${CIRCLE_WORKFLOW_ID:0:7} --recursive
4 aws cloudformation delete-stack --stack-name "udapeople-backend-${CIRCLE_WORKFLOW_ID:0:7}"
5 aws cloudformation delete-stack --stack-name "udapeople-frontend-${CIRCLE_WORKFLOW_ID:0:7}"
6
7 delete: s3://udapeople-17a6703/bundle.js
8 delete: s3://udapeople-17a6703/1ceff9123b64b50a7d3cb5b221160855.eot
9 delete: s3://udapeople-17a6703/24b6d9d16679dab02826a2a7ea705eb.ttf
10 delete: s3://udapeople-17a6703/20485531cf7ad625f8a.js
11 delete: s3://udapeople-17a6703/Amazons/cab15f4239b7d187935cfeff4ec3313bf-kiml.svg
12 delete: s3://udapeople-17a6703/2fa692cd55bfc83c228c0ab271e4388c.woff
13 delete: s3://udapeople-17a6703/index.html
14 delete: s3://udapeople-17a6703/7d234c755f55c47d2c5a.js
15 CircleCI received exit code 0
```

Revert migrations

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

8. Successful promotion job. [SCREENSHOT8]

ismailukman
ismailukman@gmail...

cloudfront-update Success

Duration / Finished 3m 12s / 31s ago
Queued 0s
Executor / Resource Class Docker / Large
Branch master
Commit d695472
Author & Message Project smoke test

STEPS TESTS TIMING ARTIFACTS RESOURCES

Parallel runs
0 05:11 Use parallelism to run faster tests
Parallelism speeds up tests by splitting them across multiple executors. Go to Docs

Spin up environment 1s
Preparing environment variables 0s
Checkout code 0s
Install dep / Save Old Workflow ID to kvdb.io 0s
Update cloudfront distribution 3m 9s

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

9. Successful cleanup job. [SCREENSHOT9]

Parallel runs

Use parallelism to run faster tests
Parallelism speeds up tests by splitting them across multiple executors. [Go to Docs](#)

- Spin up environment 2s
- Preparing environment variables 0s
- Checkout code 0s
- Install AWS cli 3s
- Get old stack workflow id 1s

```

1 #!/bin/bash -eo pipefail
2 # your code here
3 export STACKS=$(aws cloudformation list-stacks \
4   --query "StackSummaries[*].StackName" \
5   --stack-status-filter CREATE_COMPLETE --no-paginate --output text)
6 echo Stack names: "${STACKS[@]}"
7 export OldWorkflowID=$(curl --insecure https://wddb.io/SNCTUayA9y1zkKhCc8WkK/old_workflow_id)
8 echo Old Workflow ID: $OldWorkflowID
9
10 Stack names: udapeople-frontend-69f6490 udapeople-backend-69f6490
11 % Total % Received % Xferd Average Speed Time Time Time Current
12                                     Dload Upload Total Spent Left Speed
13 100 9 100 9 0 0 82 0 --:--:-- --:--:-- --:--:-- 82
14 Old Workflow ID: Not Found
15 CircleCI received exit code 0
  
```

Remove old stacks and files 0s

```

1 #!/bin/bash -eo pipefail
2 export OldWorkflowID=$(curl --insecure https://wddb.io/SNCTUayA9y1zkKhCc8WkK/old_workflow_id)
  
```

10. Only deploy on pushed to master branch. [SCREENSHOT10]

default Success [Insights](#) [Rerun](#) [...](#)

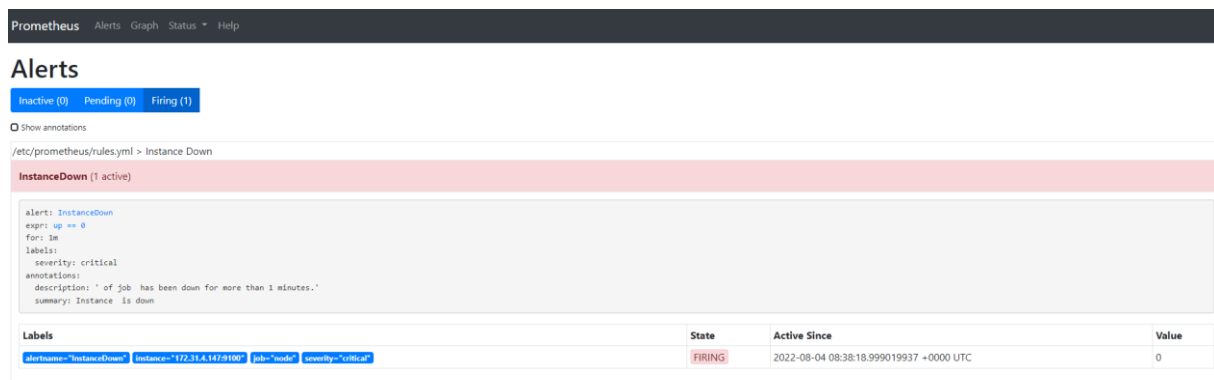
Duration / Finished 1m 41s / 36s ago Branch dev-test Commit 5dd0fe7 Author ismailukman

- build-frontend 28s
- build-backend 29s
- scan-frontend 1m 0s
- scan-backend 1m 8s
- test-frontend 1m 2s
- test-backend 1m 4s

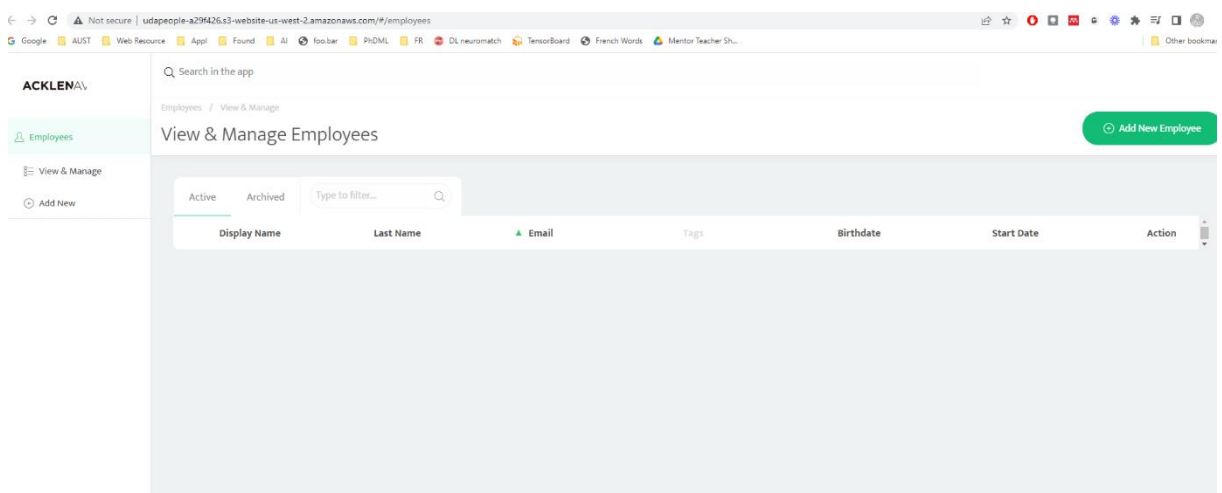
11. Provide a screenshot of a graph of your EC2 instance including available memory, available disk space, and CPU usage. [SCREENSHOT11]



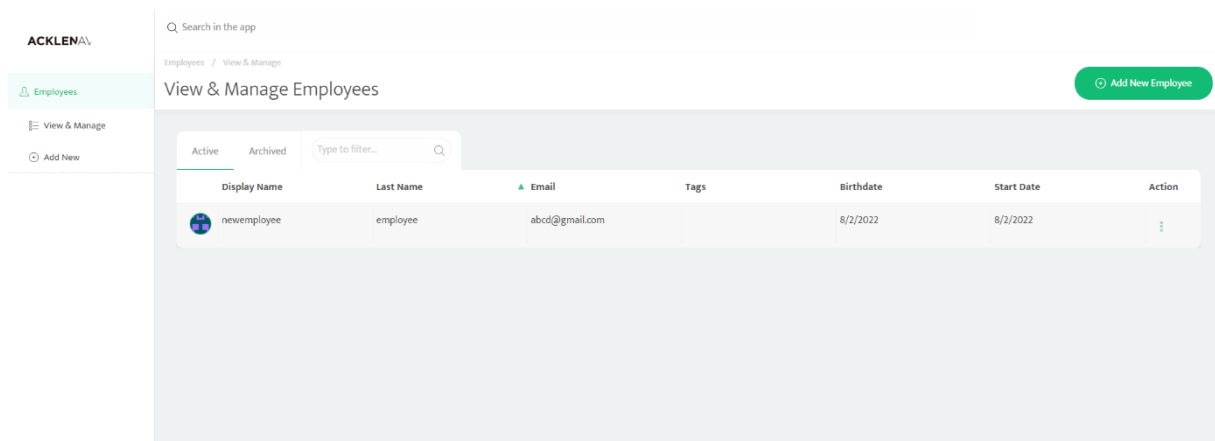
12. Provide a screenshot of an alert that was sent by Prometheus. [SCREENSHOT12]



13. Provide a screenshot showing the evidence of deployed and functioning front-end application in CloudFront (aka, your production front-end). [URL03_SCREENSHOT]



14. Provide a screenshot showing the evidence of a healthy backend application. The backend endpoint status should show a healthy response. [URL04_SCREENSHOT]



15. Provide a screenshot of your Prometheus server showing UP state [URL05_SCREENSHOT]

