


- Job failed because of compile errors. [SCREENSHOT01]



salehdevo

Saleh Darwish

Dashboard

Projects

Insights

Organization Settings

Plan

Can't find an organization?
[Check permissions](#) and update access to the ones you want.

Notifications

1

Status

OPERATIONAL



Docs

Orbs

Support



Spin up environment

1s





Preparing environment variables

0s





Checkout code

0s





Restoring cache

0s




Back-end build

24s



```
27 found 629 vulnerabilities (2 low, 141 moderate, 369 high, 117 critical)
28 run 'npm audit fix' to fix them, or 'npm audit' for details
29
30 > glee2@1.0.0 build /home/circleci/project/backend
31 > tsc
32
33 src/main.ts:31:21 - error TS1005: ',' expected.
34
35 31   .addBearerAuth({x // here is an intentional compile error. Remove the "x" and the backend should compile.
36    ~
37
38 src/main.ts:32:5 - error TS1128: Declaration or statement expected.
39
40 32   .build();
41    ~
42
43 Found 2 errors.
44
45 npm ERR! code ELIFECYCLE
46 npm ERR! errno 2
47 npm ERR! glee2@1.0.0 build: `tsc`
48 npm ERR! Exit status 2
49 npm ERR!
50 npm ERR! Failed at the glee2@1.0.0 build script.
51 npm ERR! This is probably not a problem with npm. There is likely additional logging output above.
52
53 npm ERR! A complete log of this run can be found in:
54 npm ERR!   /home/circleci/.npm/_logs/2022-05-22T15_49_50_5692-debug.log
55
56 Exited with code exit status 2
57
58 CircleCI received exit code 2
```

- Job failed because of unit tests. [SCREENSHOT02]



salehdevo

Saleh Darwish

Dashboard

Projects

Insights

Organization Settings

Plan

Can't find an organization?
[Check permissions](#) and update access to the ones you want.

Notifications

1

Status

OPERATIONAL

Docs

Orbs

Support

Parallel runs

0 of 1321

Use parallelism to run faster tests



Parallelism speeds up tests by splitting them across multiple executors.

Go to Docs

X



Spin up environment

1s





Preparing environment variables

0s





Checkout code

0s



Test backend

1m 1s



```
307 Summary of all failing tests
308 FAIL src/modules/domain/employees/commands/handlers/employee-activator.handler.spec.ts
309   • Employee Remover > when a user activates an employee > should activate the employee from the repository
310     expect(jest.fn()).toBeCalledWith(...expected)
311
312     Expected: 100
313     Received: 101
314
315     Number of calls: 1
316
317     33 |
318     34 |     // Assert
319   > 35 |     expect(employeeRepository.findById).toBeCalledWith(100);
320      |                                     ^
321     36 |     expect(employeeRepository.save).toBeCalled();
322     37 |   });
323     38 | });
324
325 at src/modules/domain/employees/commands/handlers/employee-activator.handler.spec.ts:35:43
326 at fulfilled (src/modules/domain/employees/commands/handlers/employee-activator.handler.spec.ts:15:58)
327
328 Test Suites: 1 failed, 50 passed, 51 total
329 Tests:      1 failed, 78 passed, 79 total
330 Snapshots:  0 total
331 Time:       32.868s
332 Ran all test suites.
333
334 Exited with code exit status 1
335
336 CircleCI received exit code 1
```

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

The screenshot shows a CI/CD pipeline run for a user named 'salehdevo'. The pipeline consists of several steps: 'Spin up environment', 'Preparing environment variables', 'Checkout code', and 'Install dependencies'. The 'Install dependencies' step has failed, indicated by a red icon and a duration of 26s. The failure message is as follows:

```

492 node_modules/webpack-cli/node_modules/y18n
493 node_modules/y18n
494
495 yargs-parser 6.0.0 - 13.1.1
496 Severity: moderate
497 Prototype Pollution in yargs-parser - https://github.com/advisories/GHSA-p9pc-299p-vxqp
498 fix available via `npm audit fix --force`
499 Will install ts-jest@28.0.2, which is a breaking change
500 node_modules/ts-jest/node_modules/yargs-parser
501 node_modules/yargs-parser
502 ts-jest 23.10.0-beta.1 - 25.2.0
503 Depends on vulnerable versions of yargs-parser
504 node_modules/ts-jest
505 yargs 8.0.0-candidate.0 - 12.0.5
506 Depends on vulnerable versions of os-locale
507 Depends on vulnerable versions of yargs-parser
508 node_modules/yargs
509 standard-version <5.0.0
510 Depends on vulnerable versions of conventional-changelog
511 Depends on vulnerable versions of yargs
512 node_modules/standard-version
513
514 72 vulnerabilities (27 moderate, 39 high, 6 critical)
515
516 To address issues that do not require attention, run:
517   npm audit fix
518
519 To address all issues (including breaking changes), run:
520   npm audit fix --force
521
522 Exited with code exit status 1
523 CircleCI received exit code 1
  
```

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

The screenshot shows a Slack channel named '# cloud-devops-nanodegree'. The channel has a sidebar with various sections: 'Threads', 'More', 'Channels', 'Direct messages', and 'Apps'. The 'Channels' section is expanded, showing the current channel. The 'Direct messages' section shows a message from 'salehdevo' with the text 'Hello, team!'. The 'Apps' section shows a message from 'circleci' with the text 'Catching up!'. The main content area shows a message from 'circleci' with the text 'Job Failed.' and a red status icon. The message details are as follows:

- Project: cdond-c3-projectstarter
- Branch: master
- Commit: 4f1b04c26037cd5e308f6b90ef04821beca6a4d7
- Author: salehdevo

The message also includes a 'Mentions' section with a 'View Job' button.

- **Appropriate job failure for infrastructure creation. [SCREENSHOT05]**

The screenshot shows a CircleCI job named 'deploy-infrastructure' that has failed. The job is associated with the user 'salehdevo' (Saleh Darwish) and is running on the 'master' branch. The job's duration is 1m 15s / 33s ago. The job is using the 'Docker / Large' executor and has a commit hash of '924a80f'. The job's author is 'deploy infrastructure1'.

The job's steps are listed below:

- Spin up environment (1s)
- Preparing environment variables (0s)
- Checkout code (0s)
- yum install -y tar gzip (6s)
- Ensure back-end infrastructure exist (1m 7s) - **Failed**

The failure message for the 'Ensure back-end infrastructure exist' step is:

```
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   --region $(AWS_DEFAULT_REGION) \
6   --parameter-overrides ID="${CIRCLE_WORKFLOW_ID:0:7}" \
7
8
9 Waiting for changeset to be created..
10 Waiting for stack create/update to complete
11
12 Failed to create/update the stack. Run the following command
13 to fetch the list of events leading up to the failure
14 aws cloudformation describe-stack-events --stack-name udapeople-backend-0de8749
15
16 Exited with code exit status 255
17 CircleCI received exit code 255
```

- **Appropriate job failure for the smoke test job. [SCREENSHOT06]**

The screenshot shows a CircleCI job named 'smoke test' that has failed. The job is associated with the user 'salehdevo' (Saleh Darwish) and is running on the 'master' branch. The job's duration is 00:40. The job is using the 'Docker / Large' executor and has a commit hash of '924a80f'. The job's author is 'deploy infrastructure1'.


The job's steps are listed below:

- Spin up environment (1s)
- Preparing environment variables (0s)
- Checkout code (0s)
- Install AWS CLI v2 (2s)
- Install Node.js 13 (30s)
- Backend smoke test (1s)
- Frontend smoke test (0s) - **Failed**

The failure message for the 'Frontend smoke test' step is:

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

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

**salehdevo**
Saleh Darwish

Dashboard

Projects

Insights

Organization Settings

Plan

Can't find an organization?
[Check permissions](#) and
update access to the ones
you want.

Notifications 1

Status OPERATIONAL

Docs

Orbs

Support

Install AWS CLI v22s

Install Node.js 1330s

Backend smoke test.1s

Frontend smoke test.0s


Destroy environments3s

```
1 #!/bin/bash -eo pipefail
2 aws cloudformation delete-stack --stack-name udaepeople-backend-${CIRCLE_WORKFLOW_ID:0:7}
3 aws s3 rm s3://udapeople-${CIRCLE_WORKFLOW_ID:0:7} --recursive
4 aws cloudformation delete-stack --stack-name udaepeople-frontend-${CIRCLE_WORKFLOW_ID:0:7}
5
6 delete: s3://udapeople-a471fa2/2fa692cd55bfc83c2280ab271e4388c.woff
7 delete: s3://udapeople-a471fa2/9201434b7b009e4ded0.js
8 delete: s3://udapeople-a471fa2/224b6d9d16679dab02826a2a7ea705eb.ttf
9 delete: s3://udapeople-a471fa2/index.html
10 delete: s3://udapeople-a471fa2/1aeff9123b66b50a7d3cb5b221160855.eot
11 delete: s3://udapeople-a471fa2/bundle.js
12 delete: s3://udapeople-a471fa2/images/6ab15f4239b7d187935cf6f4ec3313bf-kiwi.svg
13 delete: s3://udapeople-a471fa2/7d234c755f55c47d2c5a.js
14 CircleCI received exit code 0
```

Revert migrations0s

```
1 #!/bin/bash -eo pipefail
2 SUCCESS=$(curl --insecure https://kvdb.io/PQ2djs3DFU7wgxJLQzeYA/migration_${CIRCLE_WORKFLOW_ID:0:7})
3 if (( $SUCCESS == 1 ));
4 then
5   cd ~/project/backend
6   npm install
7   npm run migration:revert
8 fi
9
10 % Total % Received % Xferd Average Speed Time Time Time Current
11 Dload Upload Total Spent Left Speed
12 100 9 100 9 0 0 31 0 --:--:-- --:--:-- --:--:-- 31
13 /bin/bash: line 1: ((: Not Found == 1 : syntax error in expression (error token is "Found == 1 ")
14 CircleCI received exit code 0
```

• Successful promotion job. [SCREENSHOT08]

**salehdevo**
Saleh Darwish

Dashboard

Projects

Insights

Organization Settings

Plan

Can't find an organization?
[Check permissions](#) and
update access to the ones
you want.

Notifications 1

Status OPERATIONAL

Docs

Orbs

Support

Duration / Finished4m 21s / 2m ago

Queued0s

Executor / Resource ClassDocker / Large

Branchmaster

Commit3ef1fde

Author & Messagepush cloudfront

STEPS

TESTS

TIMING

ARTIFACTS

RESOURCES NEW

Parallel runs

004:21

Use parallelism to run faster tests
Parallelism speeds up tests by splitting them across multiple executors.

Go to Docs

X

Spin up environment1s

Preparing environment variables0s

Checkout code0s

Install AWS CLI v22s

Install Node.js 1331s

Save Old Workflow ID to kvdb.io1s

Update cloudfront distribution3m 44s

```
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
```

- **Successful cleanup job. [SCREENSHOT09]**

salehdevo

Saleh Darwish

Dashboard

Projects

Insights

Organization Settings

Plan

Can't find an organization?

Check permissions and update access to the ones you want.

Notifications

StatusOPERATIONAL

Docs

Orbs

Support

✔️ Spin up environment

Preparing environment variables

Checkout code

Install dependencies

Attaching workspace

Remove previos stacks and files

0s

0s

6s


0s

3s

#!/bin/bash -eo pipefail
cat ~/workspace/OldFlow.txt
export OldWorkflowID=\$(cat ~/workspace/OldFlow.txt)
export CurrentWorkflowID=\${CIRCLE_WORKFLOW_ID:0:7}
if [["\$CurrentWorkflowID" == "\$OldWorkflowID"]]
then
echo "It's OK, No Previous Stack"
else
echo "will delete old version"
aws s3 rm "s3://udapeople-\${OldWorkflowID}" --recursive
aws cloudformation delete-stack --stack-name "udapeople-frontend-\${OldWorkflowID}"
aws cloudformation delete-stack --stack-name "udapeople-backend-\${OldWorkflowID}"
fi

al0a3ef
will delete old version
delete: s3://udapeople-al0a3ef/6c1186fa20e2d6a05d3.js
delete: s3://udapeople-al0a3ef/224b6d9d16679dab02826a2a7ea705eb.ttf
delete: s3://udapeople-al0a3ef/1ceff9123b66b50a7d3cb5b221160855.eot
delete: s3://udapeople-al0a3ef/images/6ab15f4239b7d187935cf6ffeec3313bf-k1wi.svg
delete: s3://udapeople-al0a3ef/2fa92cd55bfc83c228c0ab271e4388c.woff
delete: s3://udapeople-al0a3ef/bundle.js
delete: s3://udapeople-al0a3ef/d234c755f55c47d2c5a.js
delete: s3://udapeople-al0a3ef/index.html
CircleCI received exit code 0

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

**salehdevo**
Saleh Darwish

Dashboard

Projects

Insights

Organization Settings

Plan

Can't find an organization?

Check permissions and update access to the ones you want.

Notifications 1

Status OPERATIONAL

Dashboard

Project

Branch

Workflow

All Pipelines > cdond-c3-projectstarter > dev-branch > default

default

Success

Insights

Rerun

Duration / Finished	Branch	Commit	Author
2m 14s / 9s ago	dev-branch	811ece6	salehdevo

build-frontend42s

scan-frontend59s

test-frontend1m 26s

build-backend35s

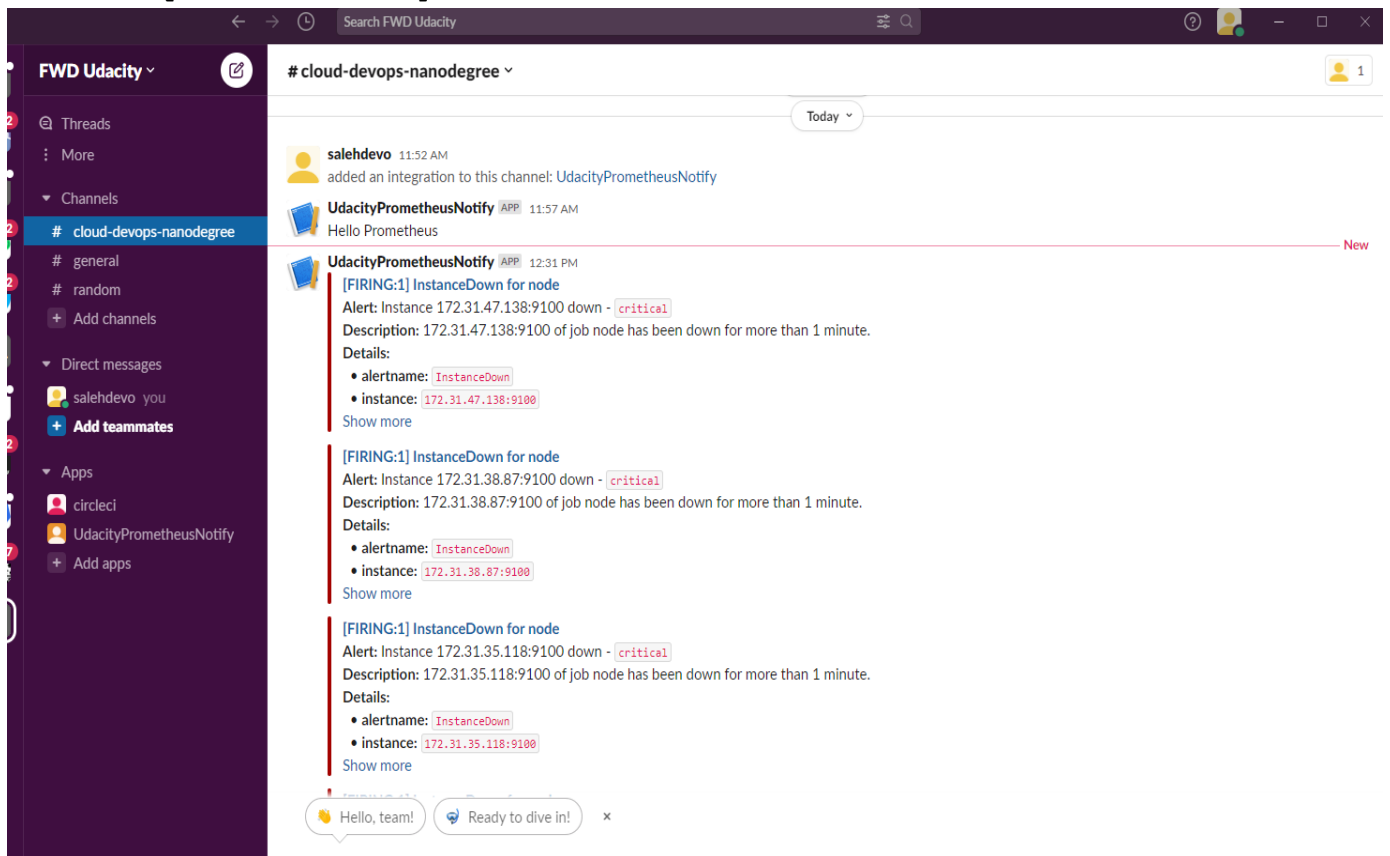
scan-backend1m 0s

test-backend1m 0s

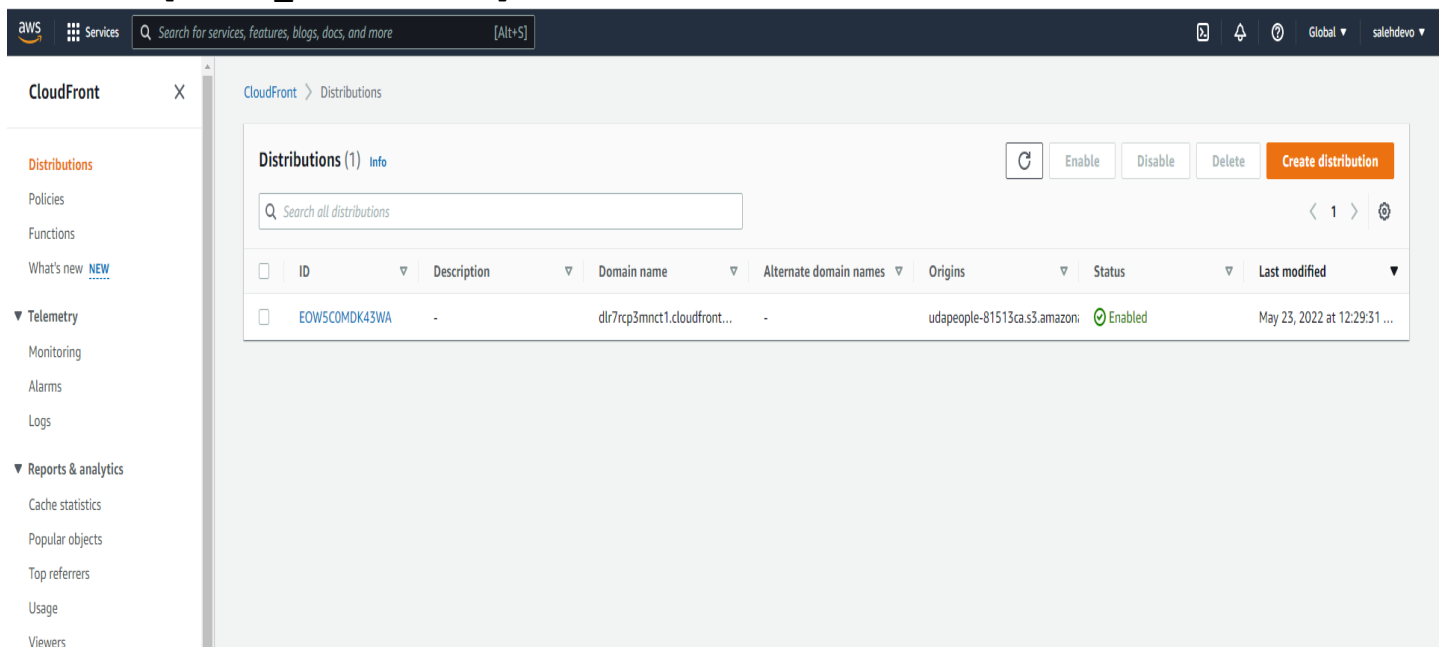
- Provide a screenshot of a graph of your EC2 instance including available memory, available disk space, and CPU usage. [SCREENSHOT11]



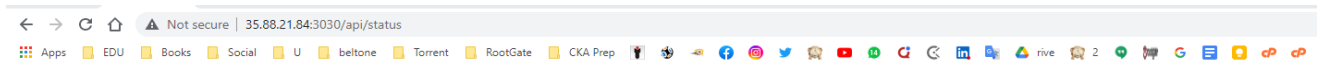
- Provide a screenshot of an alert that was sent by Prometheus.
[SCREENSHOT12]



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

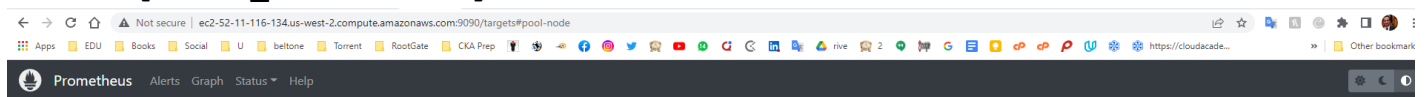


- Provide a screenshot showing the evidence of a healthy backend application. The backend endpoint status should show a healthy response. [URL04_SCREENSHOT]



```
{"status": "ok", "environment": "production"}
```

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



Targets

All Unhealthy Collapse All

Filter by endpoint or labels

node (1/6 up) show log

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://172.31.32.205:9100/metrics	DOWN	instance="172.31.32.205:9100" job="node"	58.644s ago	3.61s	Get "http://172.31.32.205:9100/metrics": dial tcp 172.31.32.205:9100: connect: no route to host
http://172.31.35.118:9100/metrics	DOWN	instance="172.31.35.118:9100" job="node"	1m 8s ago	10.0s	Get "http://172.31.35.118:9100/metrics": context deadline exceeded
http://172.31.47.71:9100/metrics	UP	instance="172.31.47.71:9100" job="node"	58.120s ago	12.767ms	
http://172.31.38.87:9100/metrics	DOWN	instance="172.31.38.87:9100" job="node"	1m 5s ago	3.52s	Get "http://172.31.38.87:9100/metrics": dial tcp 172.31.38.87:9100: connect: no route to host
http://172.31.47.199:9100/metrics	DOWN	instance="172.31.47.199:9100" job="node"	1m 0s ago	10.0s	Get "http://172.31.47.199:9100/metrics": dial tcp 172.31.47.199:9100: i/o timeout
http://172.31.47.138:9100/metrics	DOWN	instance="172.31.47.138:9100" job="node"	58.205s ago	0.296ms	Get "http://172.31.47.138:9100/metrics": dial tcp 172.31.47.138:9100: connect: connection refused

prometheus (1/1 up) show log

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://localhost:9090/metrics	UP	instance="localhost:9090" job="prometheus"	53.313s ago	6.145ms	