

Job failed because of compile errors. [SCREENSHOT01]

front end fail

```
Build front-end 37s

62 bundle.js 14.2 KiB runtime-app [emitted] runtime-app
63 images/6ab15f4239b7d187935cf6f4ec3313bf-kiwi.svg 260 KiB [emitted]
64 index.html 515 bytes [emitted]
65 Entrypoint app = bundle.js 7d234c755f55c47d2c5a.js 03fb6cc8884955199c5c.js
66 [./node_modules/css-loader/dist/cjs.js?!./node_modules/postcss-loader/src/index.js?!./app/style.local.css] ../node_modules/css-loa
67 [./app/containers/App/index.tsx] 3.95 KiB {app} [built]
68 [./app/containers/Employee/actions/index.ts] 166 bytes {app} [built]
69 [./app/containers/Employee/models/EmployeeModel.ts] 1.53 KiB {app} [built]
70 [./app/containers/Employee/reducer/employees.ts] 3.08 KiB {app} [built]
71 [./app/containers/Employee/services/index.ts] 166 bytes {app} [built]
72 [./app/index.tsx] 3.14 KiB {app} [built]
73 [./app/middleware/index.ts] 163 bytes {app} [built]
74 [./app/middleware/logger.ts] 1.04 KiB {app} [built]
75 [./app/reducers/index.ts] 1.08 KiB {app} [built]
76 [./app/store/index.ts] 1.63 KiB {app} [built]
77 [./app/style.local.css] 1.28 KiB {app} [built]
78 [./app/utills/index.ts] 2.25 KiB {app} [built]
79 [./browserHistory.ts] 1.06 KiB {app} [built]
80 [./main.tsx] 1.29 KiB {app} [built]
81 + 527 hidden modules
82
83 WARNING in EnvironmentPlugin - API_URL environment variable is undefined.
84
85 You can pass an object with default values to suppress this warning.
86 See https://webpack.js.org/plugins/environment-plugin for example.
87 Child HtmlWebpackCompiler:
88   1 asset
89   Entrypoint HtmlWebpackPlugin_0 = __child-HtmlWebpackPlugin_0
90   [./node_modules/html-webpack-plugin/lib/loader.js!./assets/index.ejs] 1020 bytes {HtmlWebpackPlugin_0} [built]
91   + 3 hidden modules
```

backend fail

```
Back-end build 36s

63 images/6ab15f4239b7d187935cf6f4ec3313bf-kiwi.svg 260 KiB [emitted]
64 index.html 515 bytes [emitted]
65 Entrypoint app = bundle.js 7d234c755f55c47d2c5a.js 03fb6cc8884955199c5c.js
66 [./node_modules/css-loader/dist/cjs.js?!./node_modules/postcss-loader/src/index.js?!./app/style.local.css] ../node_modules/css-loa
67 [./app/containers/App/index.tsx] 3.95 KiB {app} [built]
68 [./app/containers/Employee/actions/index.ts] 166 bytes {app} [built]
69 [./app/containers/Employee/models/EmployeeModel.ts] 1.53 KiB {app} [built]
70 [./app/containers/Employee/reducer/employees.ts] 3.08 KiB {app} [built]
71 [./app/containers/Employee/services/index.ts] 166 bytes {app} [built]
72 [./app/index.tsx] 3.14 KiB {app} [built]
73 [./app/middleware/index.ts] 163 bytes {app} [built]
74 [./app/middleware/logger.ts] 1.04 KiB {app} [built]
75 [./app/reducers/index.ts] 1.08 KiB {app} [built]
76 [./app/store/index.ts] 1.63 KiB {app} [built]
77 [./app/style.local.css] 1.28 KiB {app} [built]
78 [./app/utills/index.ts] 2.25 KiB {app} [built]
79 [./browserHistory.ts] 1.06 KiB {app} [built]
80 [./main.tsx] 1.29 KiB {app} [built]
81 + 527 hidden modules
82
83 WARNING in EnvironmentPlugin - API_URL environment variable is undefined.
84
85 You can pass an object with default values to suppress this warning.
86 See https://webpack.js.org/plugins/environment-plugin for example.
87 Child HtmlWebpackCompiler:
88   1 asset
89   Entrypoint HtmlWebpackPlugin_0 = child-HtmlWebpackPlugin_0
90
91 deke/
```

Reconnected to Internet. Please refresh for updates. X

Evidence of build passing front end

build-frontend Success

Rerun

...

Duration / Finished	Queued	Executor / Resource Class	Branch	Commit	Author & Message
🕒 28s / 6h ago	🕒 0s	🐳 Docker / Large ⓘ	🔑 main	🔗 6891537, adefcd0	👤 Merge pull request #2 from Steve-ndeke/dev

⚠️ You're using a [deprecated Docker convenience image](#). Upgrade to a next-gen Docker convenience image.

STEPSTESTSTIMINGARTIFACTSRESOURCESNEW

Parallel runs

📦 00:28

📦 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	🔗	📄
▶️ ✓ Restoring cache	5s	🔗	📄
▶️ ✓ Build front-end	20s	🔗	📄

backend

🕒 34s / 6h ago

🕒 0s

🐳 Docker / [Large](#) ⓘ

🔑 [main](#)

🔗 6891537, adefcd0

👤 Merge pull request #2 from Steve-ndeke/dev

⚠️ You're using a [deprecated Docker convenience image](#). Upgrade to a next-gen Docker convenience image.

STEPSTESTSTIMINGARTIFACTSRESOURCESNEW

Parallel runs

📦 00:34

📦 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	🔗	📄
▶️ ✓ Restoring cache	0s	🔗	📄
▶️ ✓ Back-end build	32s	🔗	📄
▶️ ✓ Saving cache	0s	🔗	📄

Job failed because of unit tests. [SCREENSHOT02]

Frontend

```
Run frontend test 1m 5s

110 containers/Employee/components/EditEmployee | 0 | 0 | 0 | 0 | ... 94,803,808,810 |
111 index.tsx | 0 | 0 | 0 | 0 | ... 1,3,5 |
112 inputValidations.ts | 0 | 100 | 0 | 0 | ... 10,11,14,15,17 |
113 withAutoSave.tsx | 0 | 0 | 0 | 0 | ... 44,247,257,262 |
114 containers/Employee/components/EmployeeSearch | 0 | 0 | 0 | 0 | ... 44,247,257,262 |
115 index.tsx | 0 | 0 | 0 | 0 | ... 95,498,508,513 |
116 containers/Employee/components/Employees | 0 | 0 | 0 | 0 | ... 1,2,3,6,7,8,66,67 |
117 index.tsx | 0 | 0 | 0 | 0 | ... 1 |
118 containers/Employee/components/ViewEmployee | 0 | 0 | 0 | 0 | ... 38.89 | 33.33 | 37.5 | 38.89 |
119 index.tsx | 0 | 0 | 0 | 0 | ... 50 | 33.33 | 42.86 | 50 | ... 28,29,30,36,62 |
120 containers/Employee/models | 0 | 0 | 0 | 0 | ... 1,2,3,6,7,8,66,67 |
121 EmployeeModel.ts | 0 | 0 | 0 | 0 | ... 1 |
122 index.ts | 0 | 100 | 100 | 0 | ... 38.89 | 33.33 | 37.5 | 38.89 |
123 containers/Employee/reducer | 50 | 33.33 | 42.86 | 50 | ... 28,29,30,36,62 |
124 employees.ts | 50 | 33.33 | 42.86 | 50 | ... 28,29,30,36,62 |
125 sampleData.ts | 0 | 100 | 0 | 0 | ... 1,4,7,32 |
126 containers/Employee/services | 30 | 0 | 10 | 30.77 | ... 50,54,57,61,62 |
127 employees.ts | 30 | 0 | 10 | 30.77 | ... 50,54,57,61,62 |
128 -----|-----|-----|-----|-----|
129
130 Test Suites: 1 failed, 4 passed, 5 total
131 Tests: 1 failed, 11 passed, 12 total
132 Snapshots: 0 total
133 Time: 43.819s
134 Ran all test suites.
135 npm ERR! code ELIFECYCLE
136 npm ERR! errno 1
137 npm ERR! typescript-react-redux-boilerplate@1.0.0 test: `jest`
138 npm ERR! Exit status 1
139 npm ERR!
140 npm ERR! Failed at the typescript-react-redux-boilerplate@1.0.0 test script.
141 npm ERR! This is probably not a problem with npm. There is likely additional logging output above.
```

backend;

```
Run backend test 1m 12s

117 index.tsx | 0 | 0 | 0 | 0 | ... 44,247,257,262 |
118 containers/Employee/components/ViewEmployee | 0 | 0 | 0 | 0 | ... 95,498,508,513 |
119 index.tsx | 0 | 0 | 0 | 0 | ... 1,2,3,6,7,8,66,67 |
120 containers/Employee/models | 0 | 0 | 0 | 0 | ... 1 |
121 EmployeeModel.ts | 0 | 0 | 0 | 0 | ... 38.89 | 33.33 | 37.5 | 38.89 |
122 index.ts | 0 | 100 | 100 | 0 | ... 50 | 33.33 | 42.86 | 50 | ... 28,29,30,36,62 |
123 containers/Employee/reducer | 50 | 33.33 | 42.86 | 50 | ... 28,29,30,36,62 |
124 employees.ts | 50 | 33.33 | 42.86 | 50 | ... 28,29,30,36,62 |
125 sampleData.ts | 0 | 100 | 0 | 0 | ... 1,4,7,32 |
126 containers/Employee/services | 30 | 0 | 10 | 30.77 | ... 50,54,57,61,62 |
127 employees.ts | 30 | 0 | 10 | 30.77 | ... 50,54,57,61,62 |
128 -----|-----|-----|-----|-----|
129
130 Test Suites: 1 failed, 4 passed, 5 total
131 Tests: 1 failed, 11 passed, 12 total
132 Snapshots: 0 total
133 Time: 48.06s
134 Ran all test suites.
135 npm ERR! code ELIFECYCLE
136 npm ERR! errno 1
137 npm ERR! typescript-react-redux-boilerplate@1.0.0 test: `jest`
138 npm ERR! Exit status 1
139 npm ERR!
140 npm ERR! Failed at the typescript-react-redux-boilerplate@1.0.0 test script.
141 npm ERR! This is probably not a problem with npm. There is likely additional logging output above.
142
143 npm ERR! A complete log of this run can be found in:
144 npm ERR! /home/circleci/.npm/_logs/2023-01-28T18_26_53_801Z-debug.log
145
```

Front end

Backend

```

 88 | index.tsx | 0 | 0 | 0 | 0 | ... ,93,94,169,184 |
 89 | containers/Employee/actions | 42.16 | 100 | 9.09 | 45.26 | |
 90 | employees.ts | 41.58 | 100 | 9.09 | 44.68 | ... 95,196,198,199 |
 91 | index.ts | 100 | 100 | 100 | 100 | |
 92 | containers/Employee/components/AddEmployee | 0 | 0 | 0 | 0 | |
 93 | index.tsx | 0 | 0 | 0 | 0 | ... 07,710,720,725 |
 94 | containers/Employee/components/EditEmployee | 0 | 0 | 0 | 0 | |
 95 | index.tsx | 0 | 0 | 0 | 0 | ... 94,803,808,810 |
 96 | inputValidations.ts | 0 | 100 | 0 | 0 | 1,3,5 |
 97 | withAutoSave.tsx | 0 | 0 | 0 | 0 | ... 10,11,14,15,17 |
 98 | containers/Employee/components/EmployeeSearch | 0 | 0 | 0 | 0 | |
 99 | index.tsx | 0 | 0 | 0 | 0 | ... 44,247,257,262 |
100 | containers/Employee/components/Employees | 0 | 0 | 0 | 0 | |
101 | index.tsx | 0 | 0 | 0 | 0 | ... 44,247,257,262 |
102 | containers/Employee/components/ViewEmployee | 0 | 0 | 0 | 0 | |
103 | index.tsx | 0 | 0 | 0 | 0 | ... 95,498,508,513 |
104 | containers/Employee/models | 0 | 0 | 0 | 0 | |
105 | EmployeeModel.ts | 0 | 0 | 0 | 0 | 1,2,3,6,7,8,66,67 |
106 | index.ts | 0 | 100 | 100 | 0 | 1 |
107 | containers/Employee/reducer | 38.89 | 33.33 | 37.5 | 38.89 | |
108 | employees.ts | 50 | 33.33 | 42.86 | 50 | ... 28,29,30,36,62 |
109 | sampleData.ts | 0 | 100 | 0 | 0 | 1,4,7,32 |
110 | containers/Employee/services | 30 | 0 | 10 | 30.77 | |
111 | employees.ts | 30 | 0 | 10 | 30.77 | ... 50,54,57,61,62 |
112 | -----|-----|-----|-----|-----|
113 |
114 | Test Suites: 5 passed, 5 total
115 | Tests: 12 passed, 12 total
116 | Snapshots: 0 total
117 | Time: 45.687s

```

Overall

Dashboard

Project

Branch

Workflow

All Pipelines > CI_CD_Udacity_project > dev > default

default

Success

Insights

Rerun

Duration / Finished

Branch

Commit

Author & Message

1m 58s / 10m ago

dev

14e4e40

fixing tests

build-frontend31s

test-frontend1m 16s

build-backend40s

test-backend1m 14s

Provide a screenshot of jobs that failed because of vulnerable packages listed. **[SCREENSHOT03]**

Scan frontend27s

Your output is too large to display in the browser.
Only the last 400000 characters are displayed.
Download the full output as a file

High

minimatch ReDoS vulnerability

Package

minimatch

Patched in

>=3.0.5

Dependency of

webpack-cleanup-plugin [dev]

Path

webpack-cleanup-plugin > minimatch

More info

https://github.com/advisories/GHSA-f8q6-p94x-37v3

High

Prototype Pollution in JSON5 via Parse Method

Package

json5

Patched in

>=1.0.2

Dependency of

babel-core [dev]

Path

babel-core > json5

More info

https://github.com/advisories/GHSA-9c47-m6qq-7p4h

found 730 vulnerabilities (21 low, 184 moderate, 386 high, 139 critical) in 1896 scanned packages
run 'npm audit fix' to fix 517 of them.
209 vulnerabilities require semver-major dependency updates.
4 vulnerabilities require manual review. See the full report for details.

Exited with code exit status 1
CircleCI received exit code 1

Backend

Scan backend27s

Your output is too large to display in the browser.
Only the last 400000 characters are displayed.

Download the full output as a file

```
5590 | High | minimatch ReDoS vulnerability
5591 | Package | minimatch
5592 | Patched in | >=3.0.5
5593 | Dependency of | webpack-clean-plugin [dev]
5594 | Path | webpack-clean-plugin > minimatch
5595 | More info | https://github.com/advisories/GHSA-f8q6-p94x-37v3
5600 |
5601 |
5602 | High | Prototype Pollution in JSONS via Parse Method
5603 | Package | json5
5604 | Patched in | >=1.0.2
5605 | Dependency of | babel-core [dev]
5606 | Path | babel-core > json5
5607 | More info | https://github.com/advisories/GHSA-9c47-m6qk-7p4h
5613 |
5614 |
5615 | Found 730 vulnerabilities (21 low, 184 moderate, 386 high, 139 critical) in 1896 scanned packages
5616 | run 'npm audit fix' to fix 517 of them.
5617 | 209 vulnerabilities require semver-major dependency updates.
5618 | 4 vulnerabilities require manual review. See the full report for details.
5619 |
5620 | Exited with code exit status 1
5621 | CircleCI received exit code 1
```

Solving scan errors proof; frontend

Scan frontend52s

```
39 added 1755 packages from 1104 contributors and audited 1895 packages in 20.663s
40 found 730 vulnerabilities (21 low, 184 moderate, 386 high, 139 critical)
41 run 'npm audit fix' to fix them, or 'npm audit' for details
42 npm WARN using --force I sure hope you know what you are doing.
43 npm WARN css-loader@3.0.0 requires a peer of webpack@^4.0.0 but none is installed. You must install peer dependencies yourself.
44 npm WARN dotenv-webpack@1.7.0 requires a peer of webpack@^1 || ^2 || ^3 || ^4 but none is installed. You must install peer dependencies yourself.
45 npm WARN file-loader@4.0.0 requires a peer of webpack@^4.0.0 but none is installed. You must install peer dependencies yourself.
46 npm WARN html-webpack-plugin@4.0.0-beta.5 requires a peer of webpack@^4.0.0 but none is installed. You must install peer dependencies yourself.
47 npm WARN mini-css-extract-plugin@0.7.0 requires a peer of webpack@^4.0.0 but none is installed. You must install peer dependencies yourself.
48 npm WARN url-loader@2.0.1 requires a peer of webpack@^4.0.0 but none is installed. You must install peer dependencies yourself.
49 npm WARN ts-jest@29.0.5 requires a peer of typescript@>=4.3 but none is installed. You must install peer dependencies yourself.
50
51 + babel-loader@9.1.2
52 + postcss@7.0.39
53 + webpack-cli@5.0.1
54 + moment@2.29.4
55 + jest@29.4.1
56 + axios@1.2.4
57 + webpack-dev-server@4.11.1
58 + ts-jest@29.0.5
59 + webpack@5.75.0
60 + html-loader@4.2.0
61 added 417 packages from 168 contributors, removed 945 packages, updated 300 packages and moved 2 packages in 27.375s
62
63 72 packages are looking for funding
64 run 'npm fund' for details
65
66 fixed 726 of 730 vulnerabilities in 1896 scanned packages
67 4 vulnerabilities required manual review and could not be updated
68 8 package updates for 209 vulnerabilities involved breaking changes
69 (installed due to '--force' option)
70 CircleCI received exit code 0
```


Reconnected to Internet. Please refresh for updates.

Backend

```
Scan backend 53s
39 added 1755 packages from 1104 contributors and audited 1895 packages in 20.641s
40 found 730 vulnerabilities (21 low, 184 moderate, 386 high, 139 critical)
41 run 'npm audit fix' to fix them, or 'npm audit' for details
42 npm WARN using --force I sure hope you know what you are doing.
43 npm WARN css-loader@3.0.0 requires a peer of webpack@^4.0.0 but none is installed. You must install peer dependencies yourself.
44 npm WARN dotenv-webpack@1.7.0 requires a peer of webpack@^1 || ^2 || ^3 || ^4 but none is installed. You must install peer dependencies yourself.
45 npm WARN file-loader@4.0.0 requires a peer of webpack@^4.0.0 but none is installed. You must install peer dependencies yourself.
46 npm WARN html-webpack-plugin@4.0.0-beta.5 requires a peer of webpack@^4.0.0 but none is installed. You must install peer dependencies yourself.
47 npm WARN mini-css-extract-plugin@0.7.0 requires a peer of webpack@^4.4.0 but none is installed. You must install peer dependencies yourself.
48 npm WARN url-loader@2.0.1 requires a peer of webpack@^4.0.0 but none is installed. You must install peer dependencies yourself.
49 npm WARN ts-jest@29.0.5 requires a peer of typescript@>=4.3 but none is installed. You must install peer dependencies yourself.
50
51 + webpack-cli@5.0.1
52 + postcss@7.0.39
53 + jest@29.4.1
54 + babel-loader@9.1.2
55 + ts-jest@29.0.5
56 + moment@2.29.4
57 + axios@1.2.6
58 + webpack@5.75.0
59 + webpack-dev-server@4.11.1
60 + html-loader@4.2.0
61 added 417 packages from 168 contributors, removed 945 packages, updated 300 packages and moved 2 packages in 28.676s
62
63 72 packages are looking for funding
64 run 'npm fund' for details
65
66 fixed 726 of 730 vulnerabilities in 1896 scanned packages
67 4 vulnerabilities required manual review and could not be updated
68 5 package updates for 209 vulnerabilities involved breaking changes
69 (installed due to '--force' option)
70 CircleCI received exit code 0

Reconnected to Internet. Please refresh for updates.
```

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



Uh-oh, this workflow did not succeed.

Project	Steve-ndeke/CI_CD_Udacity_project
Workflow	default
Branch	main
Commit	683f545

Jobs	build-backend	Failed
	build-frontend	Failed

You're receiving this email because you follow [Steve-ndeke/CI_CD_Udacity_project](#) on CircleCI.

Unsubscribe by [unfollowing Steve-ndeke/CI_CD_Udacity_project](#) or [changing your email notification settings](#).

Appropriate job failure for infrastructure creation. [SCREENSHOT05]

The screenshot shows a failed GitHub Actions workflow step named "Ensure back-end infrastructure exists". The step is highlighted in red, indicating failure. The terminal output shows the following commands and their results:

```
1 #!/bin/bash -eo pipefail
2 aws cloudformation deploy \
3   --template-file .circleci/files/backend.yml \
4   --tags project=udapeople \
5   --stack-name "udapeople-backend-${CIRCLE_WORKFLOW_ID:0:7}" \
6   --parameter-overrides ID="${CIRCLE_WORKFLOW_ID:0:7}"
7 npm install tar
8 npm install gulp
9 # exit 1
10
11
12 Waiting for changeset to be created..
13 Waiting for stack create/update to complete
14
15 Failed to create/update the stack. Run the following command
16 to fetch the list of events leading up to the failure
17 aws cloudformation describe-stack-events --stack-name udapeople-backend-0df2f59
18
19 Exited with code exit status 255
20 CircleCI received exit code 255
```

The error message indicates that the stack creation failed. The workflow is part of the "CL_CD_Udacity_project" repository, and the step is triggered by a pull request from Steve-ndeki/dev.

Proof that deploy infrastructure worked

The screenshot shows a successful GitHub Actions workflow run for the "CL_CD_Udacity_project" repository. The workflow is named "default" and is triggered by a pull request from Steve-ndeki/dev. The workflow status is "Success".

The workflow consists of several jobs, each with multiple steps. The jobs and their durations are as follows:

Job	Steps	Duration
build-frontent 301	1	29s
scan-frontent 302	1	1m 4s
test-frontent 303	1	1m 28s
build-backend 300	1	41s
scan-backend 305	1	57s
test-backend 304	1	1m 23s
deploy-infrastructure 306	1	2m 30s
configure-infrastructure 307	1	1m 19s

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

Frontend fail

The screenshot displays the AWS CodePipeline console for a pipeline named 'Parallel runs'. The 'STEPS' tab is selected, showing a list of steps. The 'Frontend smoke test' step is highlighted in red, indicating a failure. The console output for this step shows a script that attempts to curl a website and checks for a 'Welcome' message. The script exits with a status of 1, which is the expected failure for this smoke test.

Parallel runs

0 00:24 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
- Install AWS CLI v2 4s
- Install Node.js 13.8.0 13s
- Backend smoke test. 0s
- Frontend smoke test. 0s**

```
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     # This is the intentional error, if "Welcome" is indeed in the response this step will exit with exit code 1
6     exit 1
7 else
8     exit 2
9 fi
10
11 Welcome
12
13 Exited with code exit status 1
14 CircleCI received exit code 1
```

Reconnected to Internet. Please refresh for updates. X

Successful rollback after a failed smoke test. [SCREENSHOT07]

The screenshot displays the AWS CodePipeline console for a pipeline named 'Steve-ndeke'. The 'Revert migrations' step is highlighted in green, indicating a successful completion. The console output for this step shows a script that deletes the frontend and backend stacks, and then reverts the database state. The script exits with a status of 0, which is the expected success for this rollback process.

Steve-ndeke

Dashboard Projects Insights Organization Settings Plan

Notifications 1 Status OPERATING Docs Orbs Support

11 Welcome

12 Exited with code exit status 1

13 CircleCI received exit code 1

Destroy environments 3s

```
1 #!/bin/bash -eo pipefail
2 # Empty frontend bucket
3 aws s3 rm s3://udapeople-${CIRCLE_WORKFLOW_ID:0:7} --recursive
4
5 # Delete frontend stack
6 aws cloudformation delete-stack --stack-name udapeople-frontend-${CIRCLE_WORKFLOW_ID:0:7}
7
8 # Delete backend stack
9 aws cloudformation delete-stack --stack-name udapeople-backend-${CIRCLE_WORKFLOW_ID:0:7}
10
11 delete: s3://udapeople-842e457/224b6d9d16679dab02526a2a7ea705eb.tif
12 delete: s3://udapeople-842e457/1e4e92cd58fcd832280ab271ee388c.woff
13 delete: s3://udapeople-842e457/7d2340755f55c0e7d2c5a.js
14 delete: s3://udapeople-842e457/bundle.js
15 delete: s3://udapeople-842e457/AF94ab51600459515a15.js
16 delete: s3://udapeople-842e457/index.html
17 delete: s3://udapeople-842e457/images/6ab35f4239b7d187935cfc6f4ec3313bc-k1w1.svg
18 delete: s3://udapeople-842e457/10eff9123b64b50a7d3cb5b221169855.eot
19
20 CircleCI received exit code 0
```

Revert migrations 0s

```
1 #!/bin/bash -eo pipefail
2 SUCCESS=$(curl --insecure https://xvdb.io/${XVDB_BUCKET}/migration_${CIRCLE_WORKFLOW_ID:0:7})
3
4 # Logic for reverting the database state
5 if (( $SUCCESS == 1 )); then
6     cd -/project/backend
7     npm install
8     npm run migration:revert
9 fi
10
11
12 % Total % Received % Xferd Average Speed Time Time Time Current
13 Dload Upload Total Spent Left Speed
```

Reconnected to Internet. Please refresh for updates. X

Successful promotion job. [SCREENSHOT08]

STEPS TESTS TIMING ARTIFACTS RESOURCES **NEW**

Parallel runs

0 05:02

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

Go to Docs X

- ✔ Spin up environment 2s
- ✔ Preparing environment variables 0s
- ✔ Checkout code 0s
- ✔ Install AWS CLI v2 4s
- ✔ Install Node.js 13.8.0 11s
- ✔ Save Old Workflow ID to kvdb.io 0s
- ✔ Update cloudfront distribution 4m 43s

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

Provide a screenshot of the successful job. [SCREENSHOT09]

0 00:20

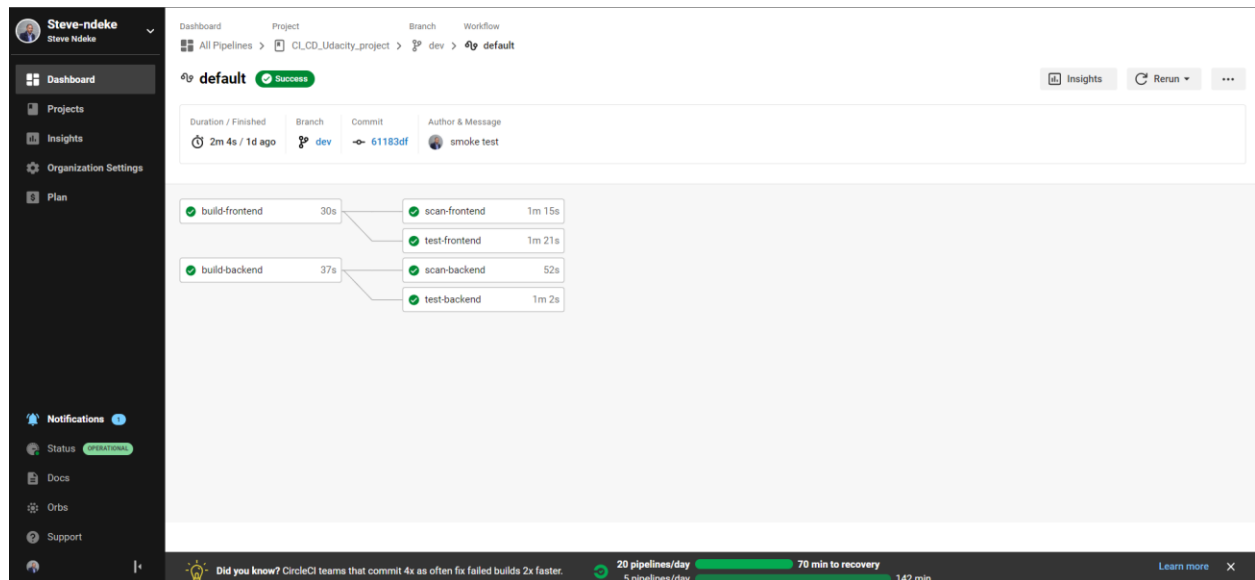
Use parallelism to run faster tests
Parallelism speeds up tests by splitting them across multiple executors.

Go to Docs X

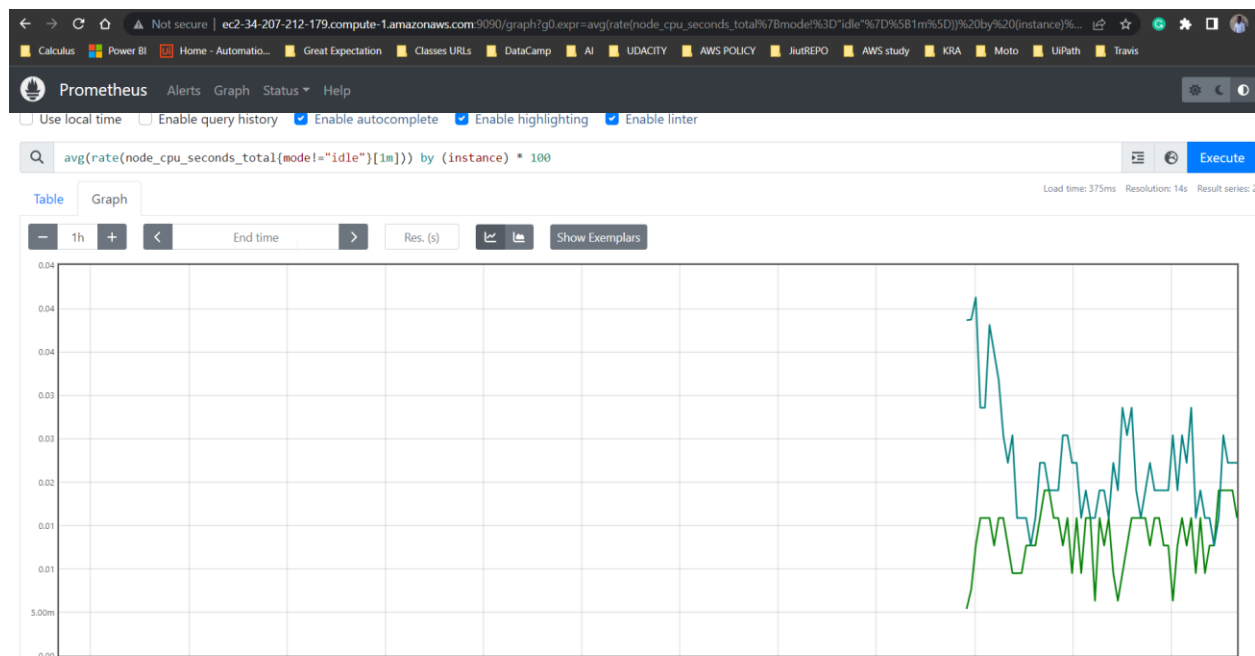
- ✔ Spin up environment 2s
- ✔ Preparing environment variables 0s
- ✔ Checkout code 0s
- ✔ Install AWS CLI v2 5s
- ✔ Install Node.js 13.8.0 11s
- ✔ Get old stack workflow id 0s

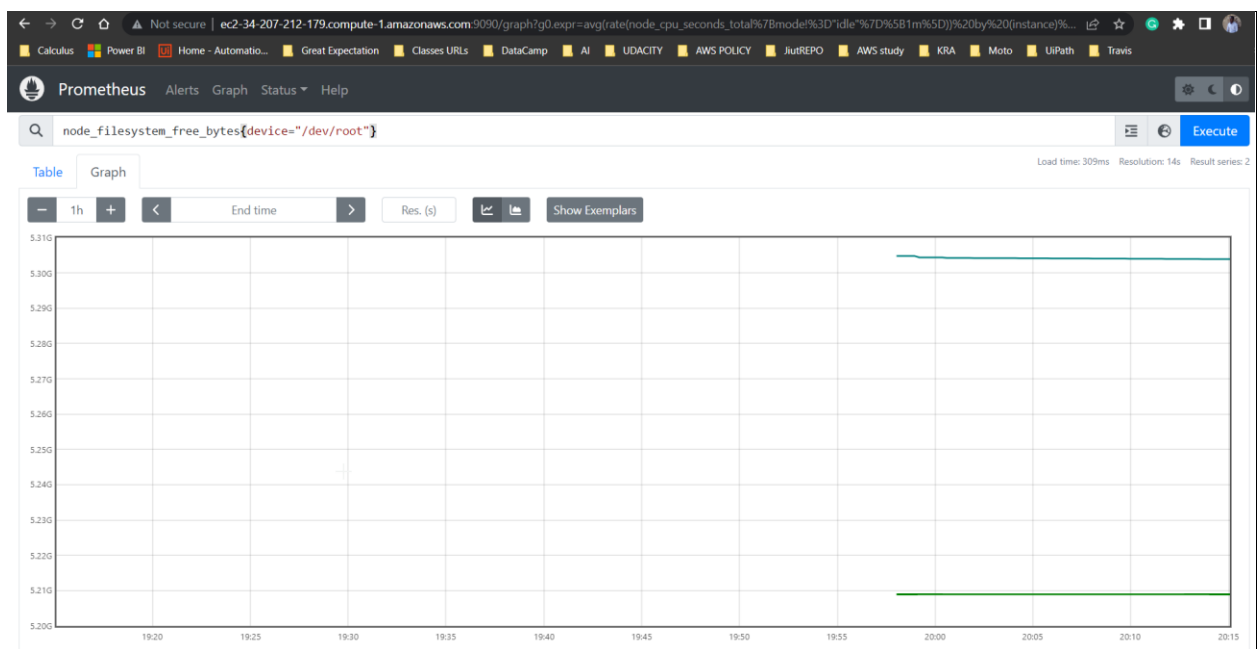
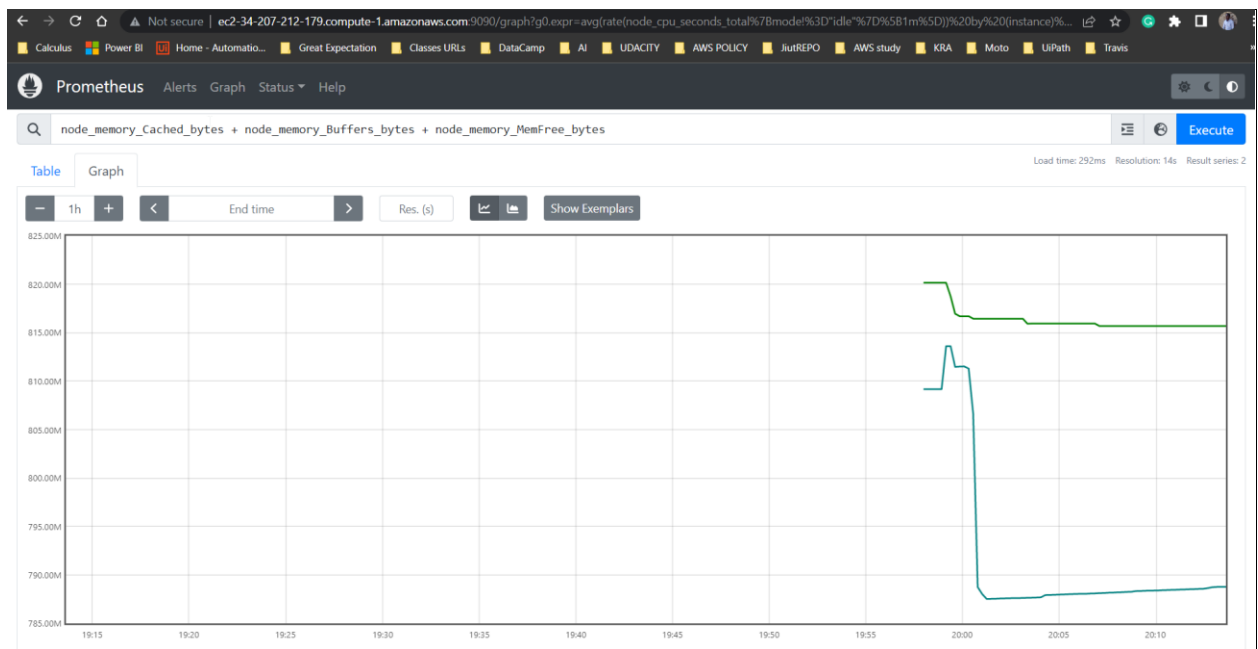
```
1 #!/bin/bash -eo pipefail
2 export STACKS=$(aws cloudformation list-stacks \
3   --query "StackSummaries[*].StackName" \
4   --stack-status-filter CREATE_COMPLETE --no-paginate --output text)
5 echo Stack names: "${STACKS[@]}"
6
7 export OldWorkflowID=$(curl --insecure https://kvdb.io/${KVDB_BUCKET}/old_workflow_id)
8 echo Old Workflow ID: $OldWorkflowID
9
10 if [[ "${STACKS[@]}" =~ "$OldWorkflowID" ]]
11 then
12   aws s3 rm "s3://udapeople-$OldWorkflowID" --recursive
13   aws cloudformation delete-stack --stack-name "udapeople-backend-$OldWorkflowID"
14   aws cloudformation delete-stack --stack-name "udapeople-frontend-$OldWorkflowID"
15 fi
16
17 Stack names: udapeople-backend-becd744 udapeople-frontend-becd744 udapeople-backend-0ae52f0 udapeople-frontend-0ae52f0 udapeople-backend-d7ffa9e udapeople-frontend-d7ffa9e
18 % Total % Received % Xferd Average Speed Time Time Time Current
19 Dload Upload Total Spent Left Speed
20 100 17 100 17 0 0 112 0 --:--:-- --:--:-- --:--:-- 111
21 Old Workflow ID: udapeople-0ae52f0
22 CircleCI received exit code 0
```

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

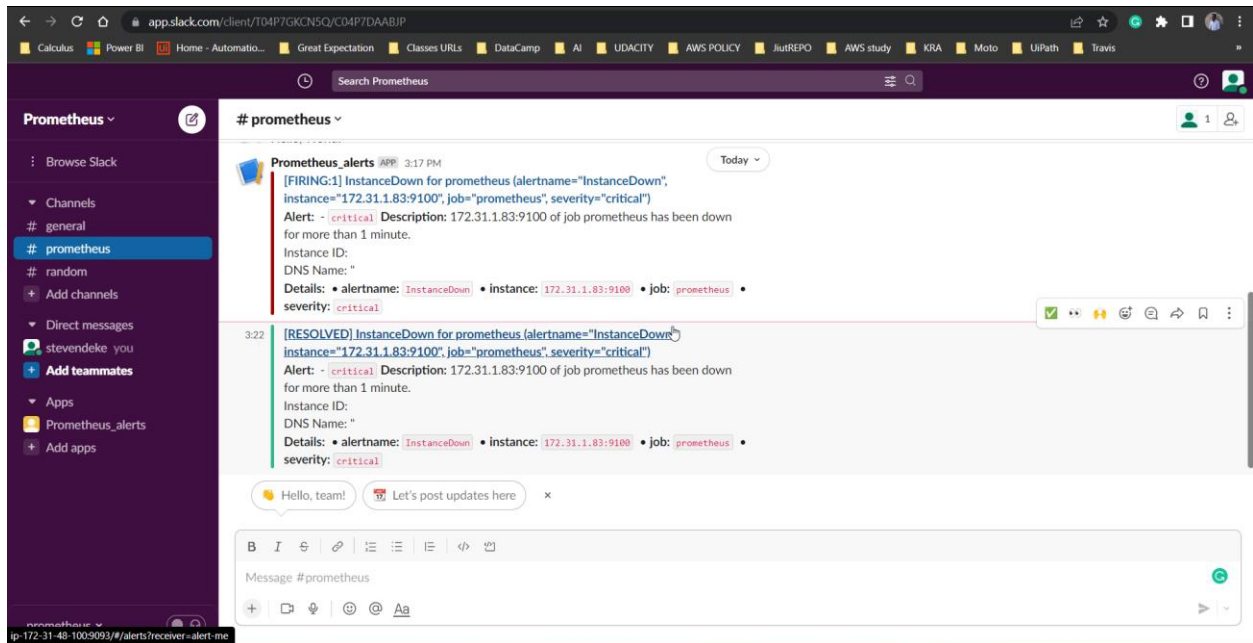


Provide a screenshot of a graph of your EC2 instance including available memory, available disk space, and CPU usage. [SCREENSHOT11]

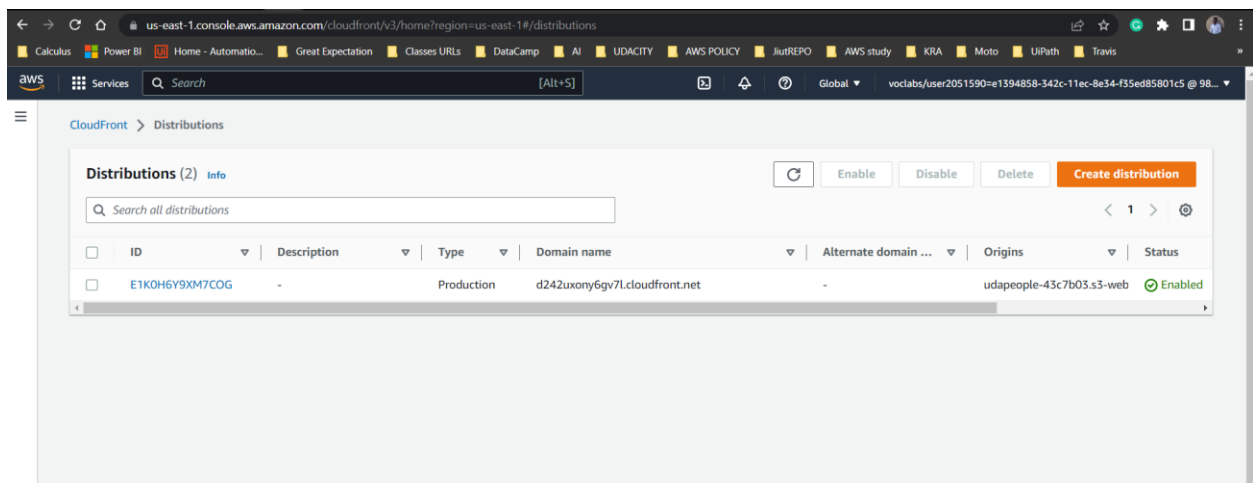




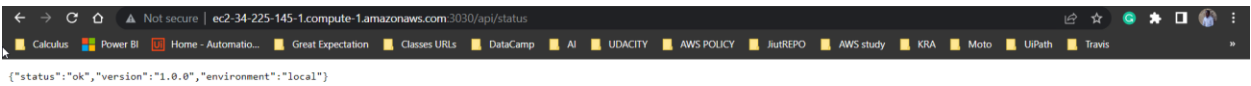
Provide a screenshot of an alert that was sent by Prometheus. [SCREENSHOT12]



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 evidence of a healthy backend application. The backend endpoint status should show a healthy response. [URL04_SCREENSHOT]



Provide a screenshot of your Prometheus Server. [URL05_SCREENSHOT]

