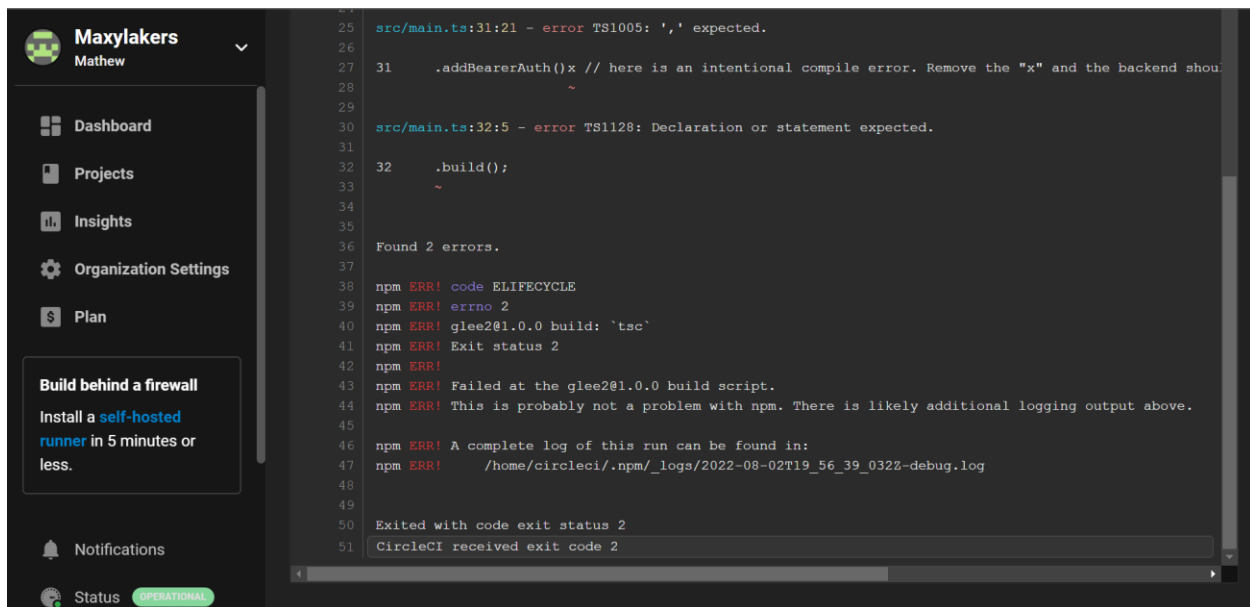


Project URL links

A public git repository with your project code. [URL01]:

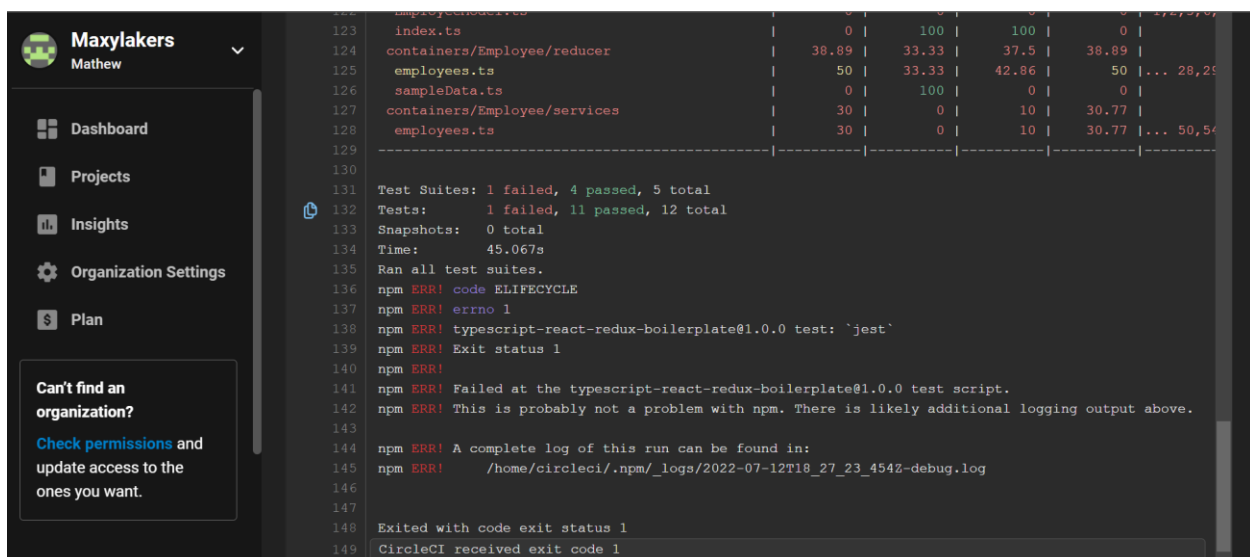
Git repo URL: [Maxylakers/cdond-MaxUdac3-projectstarter: Cloud DevOps C3 Refresh Project Starter - Build CI/CD Pipelines, Monitoring & Logging - Spring 2020 \(github.com\)](https://github.com/Maxylakers/cdond-MaxUdac3-projectstarter)

Build Jobs that failed because of compile errors. [SCREENSHOT01]:



```
25 src/main.ts:31:21 - error TS1005: ',' expected.
26
27 31   .addBearerAuth()x // here is an intentional compile error. Remove the "x" and the backend shou
28       ~
29
30 src/main.ts:32:5 - error TS1128: Declaration or statement expected.
31
32 32   .build();
33       ~
34
35 Found 2 errors.
36
37 npm ERR! code ELIFECYCLE
38 npm ERR! errno 2
39 npm ERR! glee2@1.0.0 build: `tsc`
40 npm ERR! Exit status 2
41 npm ERR!
42 npm ERR! Failed at the glee2@1.0.0 build script.
43 npm ERR! This is probably not a problem with npm. There is likely additional logging output above.
44
45 npm ERR! A complete log of this run can be found in:
46 npm ERR!     /home/circleci/.npm/_logs/2022-08-02T19_56_39_032Z-debug.log
47
48 Exited with code exit status 2
49 CircleCI received exit code 2
```

Failed unit tests. [SCREENSHOT02]:



```
123 index.ts | 0 | 100 | 100 | 0 |
124 containers/Employee/reducer | 38.89 | 33.33 | 37.5 | 38.89 |
125 employees.ts | 50 | 33.33 | 42.86 | 50 | ... 28,29
126 sampleData.ts | 0 | 100 | 0 | 0 |
127 containers/Employee/services | 30 | 0 | 10 | 30.77 |
128 employees.ts | 30 | 0 | 10 | 30.77 | ... 50,54
129 -----|-----|-----|-----|
130
131 Test Suites: 1 failed, 4 passed, 5 total
132 Tests: 1 failed, 11 passed, 12 total
133 Snapshots: 0 total
134 Time: 45.067s
135 Ran all test suites.
136 npm ERR! code ELIFECYCLE
137 npm ERR! errno 1
138 npm ERR! typescript-react-redux-boilerplate@1.0.0 test: `jest`
139 npm ERR! Exit status 1
140 npm ERR!
141 npm ERR! Failed at the typescript-react-redux-boilerplate@1.0.0 test script.
142 npm ERR! This is probably not a problem with npm. There is likely additional logging output above.
143
144 npm ERR! A complete log of this run can be found in:
145 npm ERR!     /home/circleci/.npm/_logs/2022-07-12T18_27_23_454Z-debug.log
146
147 Exited with code exit status 1
148 CircleCI received exit code 1
```

Failure because of vulnerable packages. [SCREENSHOT03]:

The screenshot shows the Maxylakers dashboard for user 'Mathew'. The left sidebar contains navigation links: Dashboard, Projects, Insights, Organization Settings, and Plan. A message box asks if the user can't find an organization and suggests checking permissions. The main content area displays a vulnerability scan report. It includes a table with details for two vulnerabilities in 'node-fetch', both stemming from 'react-foundation'. The first vulnerability is 'Low' severity, related to the 'size' option and a redirect. The second is also 'Low' severity. Below the table, a summary states: 'found 660 vulnerabilities (5 low, 183 moderate, 335 high, 137 critical) in 1896 scanned packages'. It also mentions that 485 vulnerabilities can be fixed with 'npm audit fix', 173 require semver-major updates, and 2 require manual review. The report ends with 'Exited with code exit status 1' and 'CircleCI received exit code 1'.

5587		
5588	Dependency of	react-foundation
5589		
5590	Path	react-foundation > fbjs > isomorphic-fetch > node-fetch
5591		
5592	More info	https://github.com/advisories/GHSA-r683-j2x4-v87g
5593		
5594		
5595	Low	The 'size' option isn't honored after following a redirect in node-fetch
5596		
5597	Package	node-fetch
5598		
5599	Patched in	>=2.6.1
5600		
5601	Dependency of	react-foundation
5602		
5603	Path	react-foundation > fbjs > isomorphic-fetch > node-fetch
5604		
5605	More info	https://github.com/advisories/GHSA-w7rc-rwvf-8q5r
5606		
5607		
5608	found 660 vulnerabilities (5 low, 183 moderate, 335 high, 137 critical) in 1896 scanned packages	
5609	run 'npm audit fix' to fix 485 of them.	
5610	173 vulnerabilities require semver-major dependency updates.	
5611	2 vulnerabilities require manual review. See the full report for details.	
5612		
5613	Exited with code exit status 1	
5614	CircleCI received exit code 1	

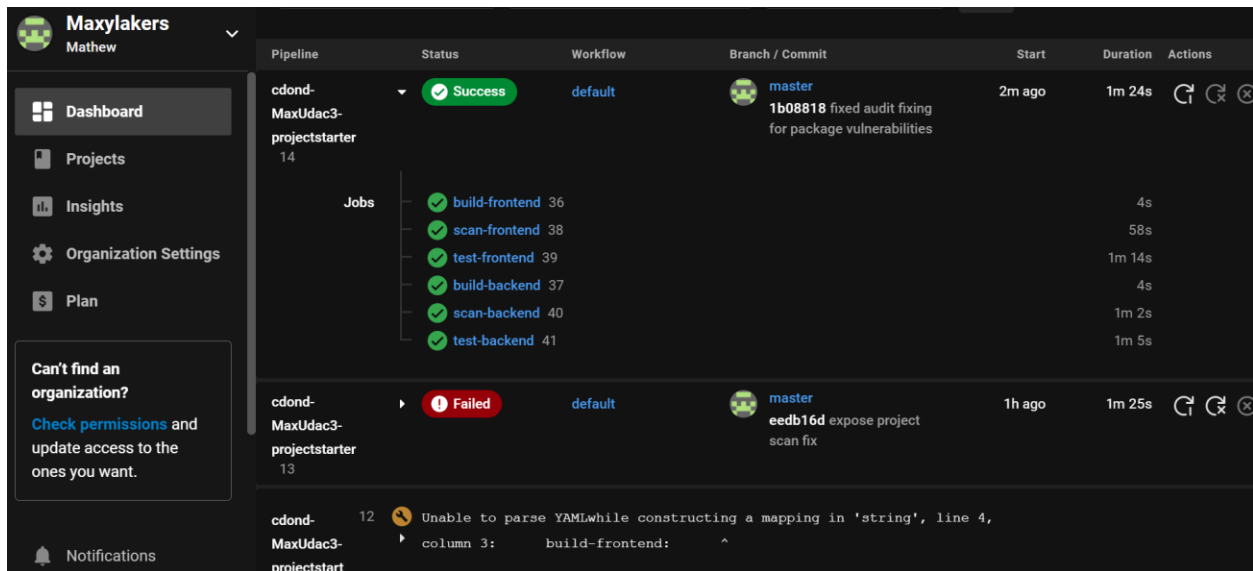
An alert from one of your failed builds. [SCREENSHOT04]:

The screenshot shows a 'Uh-oh, this workflow did not succeed.' alert. Below the message, the workflow details are listed: Author (Revolver), Project (Maxylakers/cdond-MaxUdac3-projectstarter), Workflow (default), Branch (master), and Commit (expose project scan fix eedb16d). A table below shows the status of the workflow jobs: build-backend (Success), test-backend (Success), build-frontend (Success), scan-frontend (Failed), test-frontend (Success), and scan-backend (Failed).

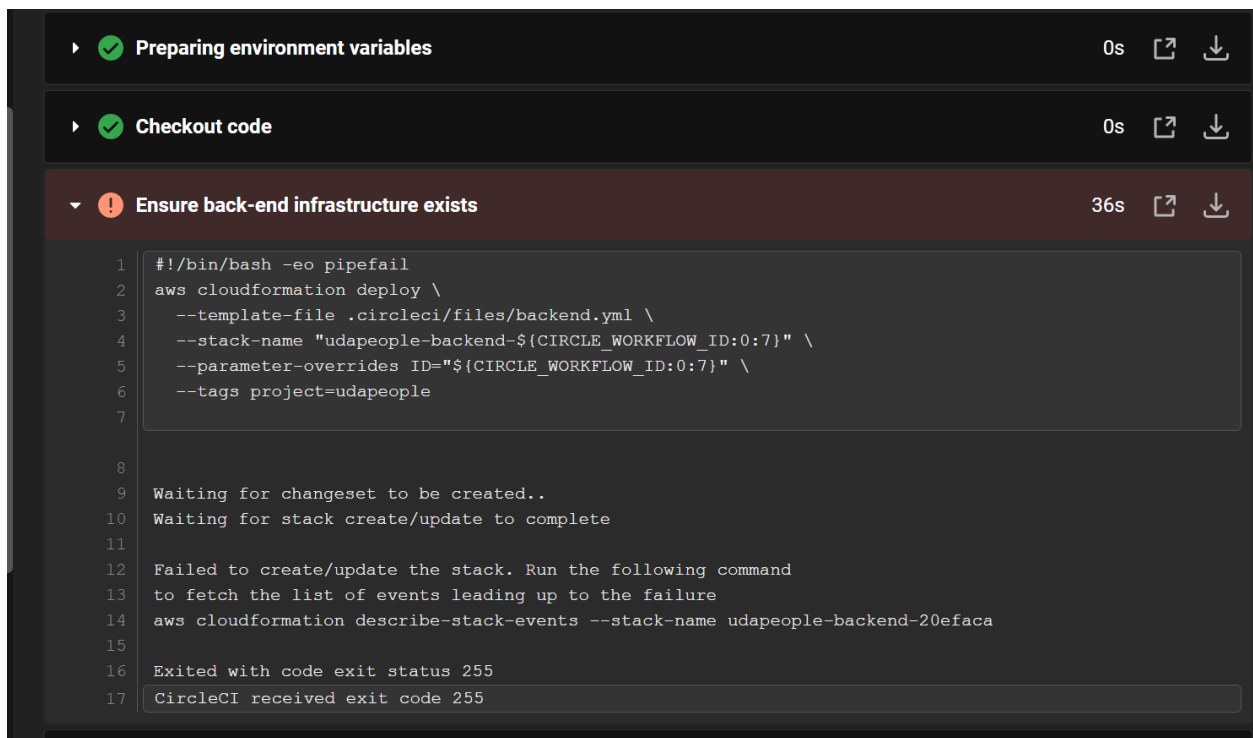
Author	Revolver
Project	Maxylakers/cdond-MaxUdac3-projectstarter
Workflow	default
Branch	master
Commit	expose project scan fix eedb16d

Jobs	build-backend	Success
	test-backend	Success
	build-frontend	Success
	scan-frontend	Failed
	test-frontend	Success
	scan-backend	Failed

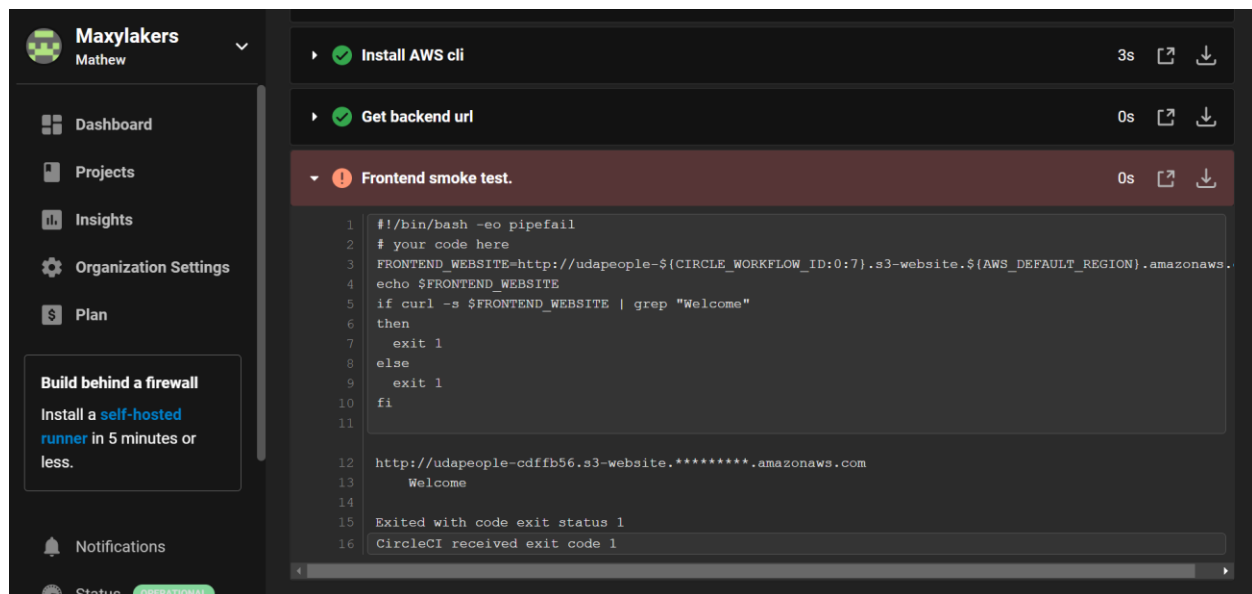
Compile errors have been fixed, unit tests have been fixed and all critical security vulnerabilities caught by the “Analyze” job have been fixed:



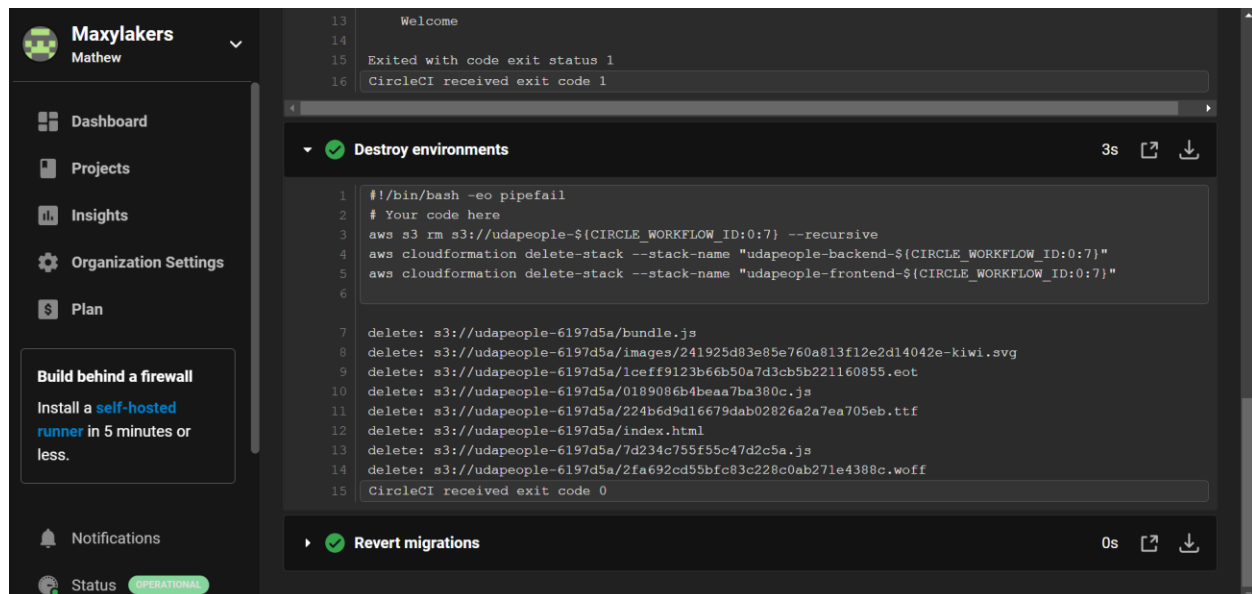
Console output of appropriate failure for infrastructure creation job (using CloudFormation). **[SCREENSHOT05]:**



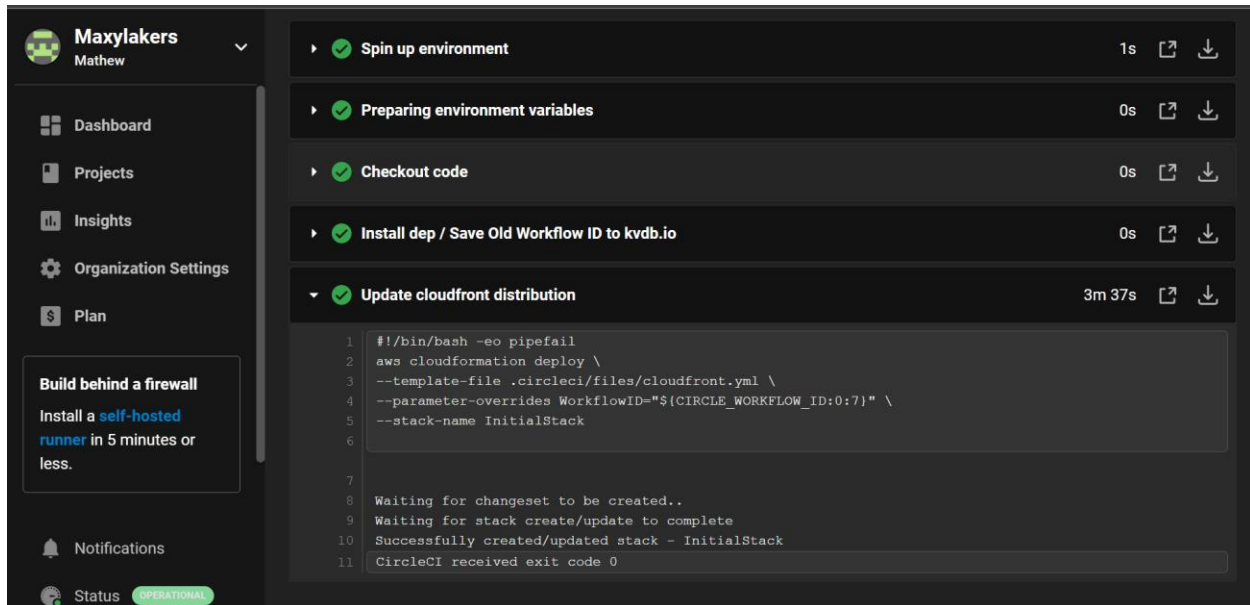
Console output of a smoke test job that is failing appropriately. [SCREENSHOT06]:



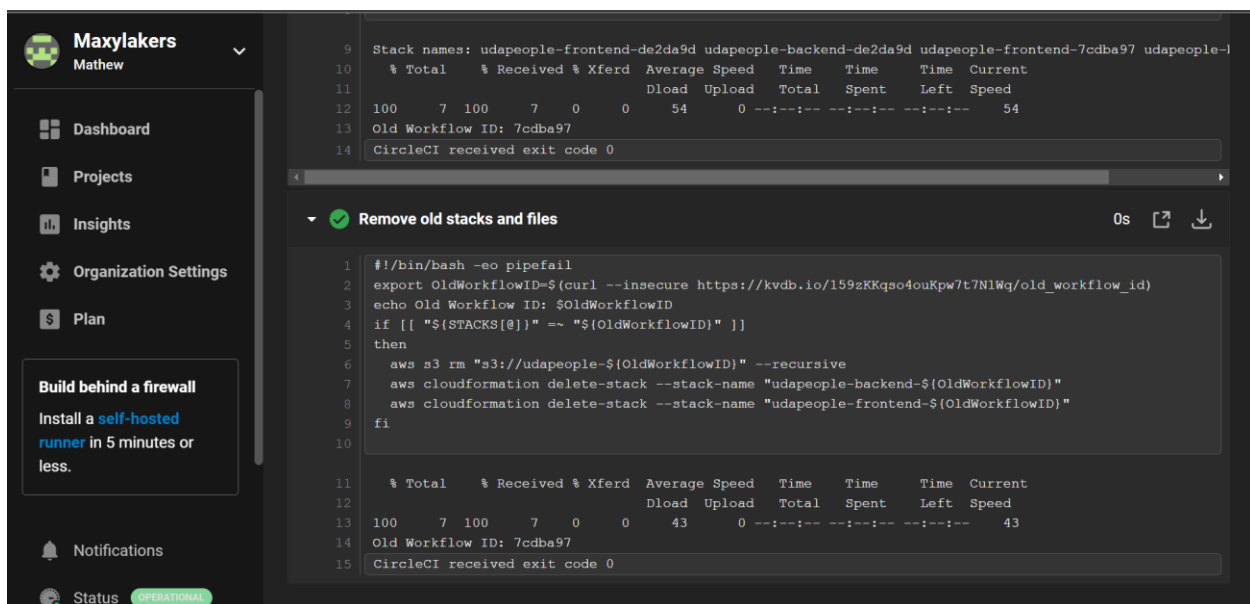
Console output of a successful rollback after a failed smoke test. [SCREENSHOT07]:



Console output of successful promotion of new version to production in CloudFront. [SCREENSHOT08]:



Console output of successful cleanup job that removes old S3 bucket and EC2 instance. [SCREENSHOT09]:



Evidence that deploy jobs only happen on master branch. [SCREENSHOT10]:

https://app.circleci.com/pipelines/github/Maxylakers/cdond-MaxUdac3-projectstarter/89/workflows/054a2e21-36e2-499d-bf2c-df...

Maxylakers
Mathew

Dashboard Projects Branch Workflow

All Pipelines > cdond-MaxUdac3-projectstarter > Test > default

default Success Insights Rerun

Duration / Finished Branch Commit Author & Message

2m 57s / 5s ago Test 79c3644 Test branch 1

build-frontend 36s test-frontend 1m 15s scan-frontend 59s

build-backend 32s test-backend 1m 3s scan-backend 53s

Build behind a firewall
Install a self-hosted runner in 5 minutes or less.

Evidence of deployed and functioning front-end application in an S3 bucket [URL02] and in CloudFront. [URL03]:

- [Welcome \(udapeople-d48d67d.s3-website-us-east-1.amazonaws.com\)](https://udapeople-d48d67d.s3-website-us-east-1.amazonaws.com/)
- [Welcome \(d1uhyt18ncuys.cloudfront.net\)](https://d1uhyt18ncuys.cloudfront.net/)

Not secure | udapeople-5215e4f3-s3-website-us-east-1.amazonaws.com/#/employees

Search in the app

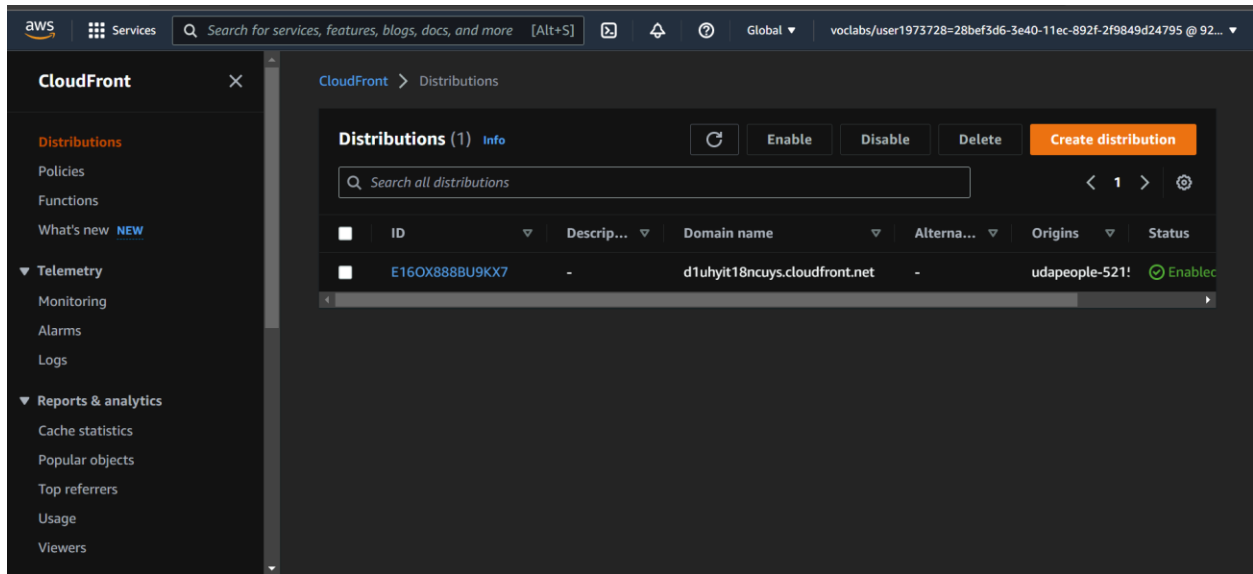
Employees / View & Manage

View & Manage Employees Add New Employee

All changes have been saved successfully!

Active Archived Type to filter...

Display Name	Last Name	Email	Tags	Birthdate	Start Date	Action
Max	Lakers	solvernet@gmail...		7/29/2022	7/29/2022	



Evidence of healthy back-end application. [URL04]:



Evidence of Prometheus Server. [URL05]:

← → ↻ ⚠ Not secure | ec2-54-234-9-17.compute-1.amazonaws.com:9090/targets

Prometheus Alerts Graph Status ▾ Help

Targets

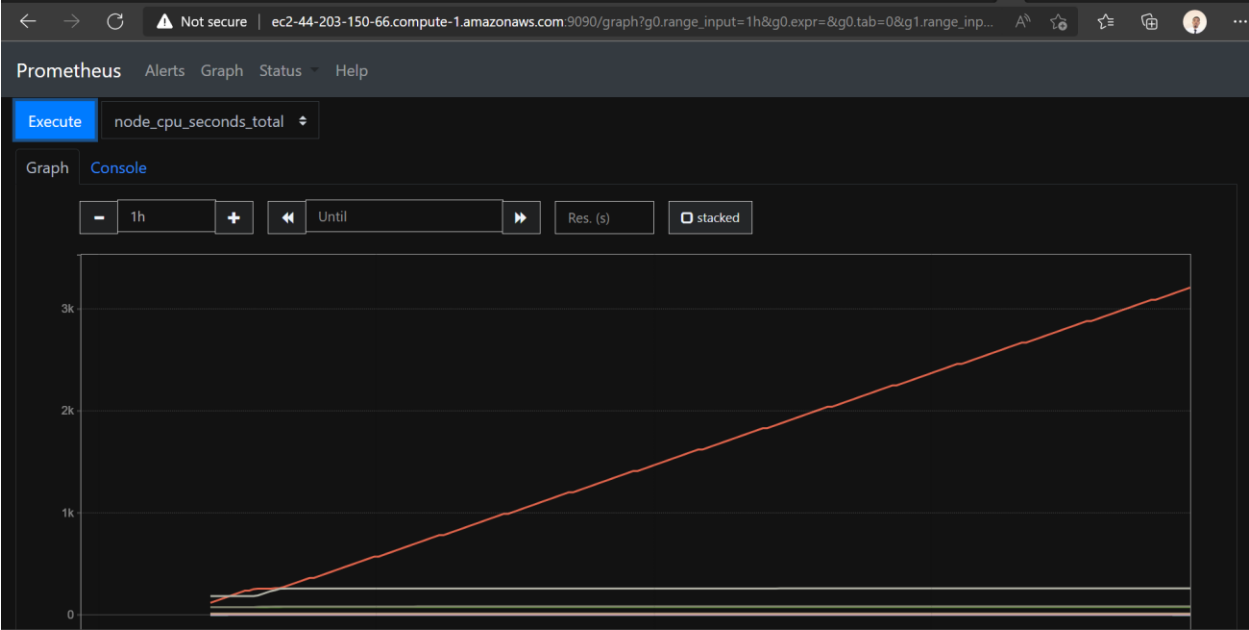
All Unhealthy

node (1/2 up) show less

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://172.31.18.236:9100/metrics	UP	instance="172.31.18.236:9100" job="node"	222ms ago	11.85ms	
http://172.31.92.53:9100/metrics	DOWN	instance="172.31.92.53:9100" job="node"	22ms ago	365.2us	Get "http://172.31.92.53:9100/metrics": dial tcp 172.31.92.53:9100: connect: connection refused

Evidence that Prometheus is monitoring memory, cpu and disk usage of EC2 instances. [SCREENSHOT11](3 images):

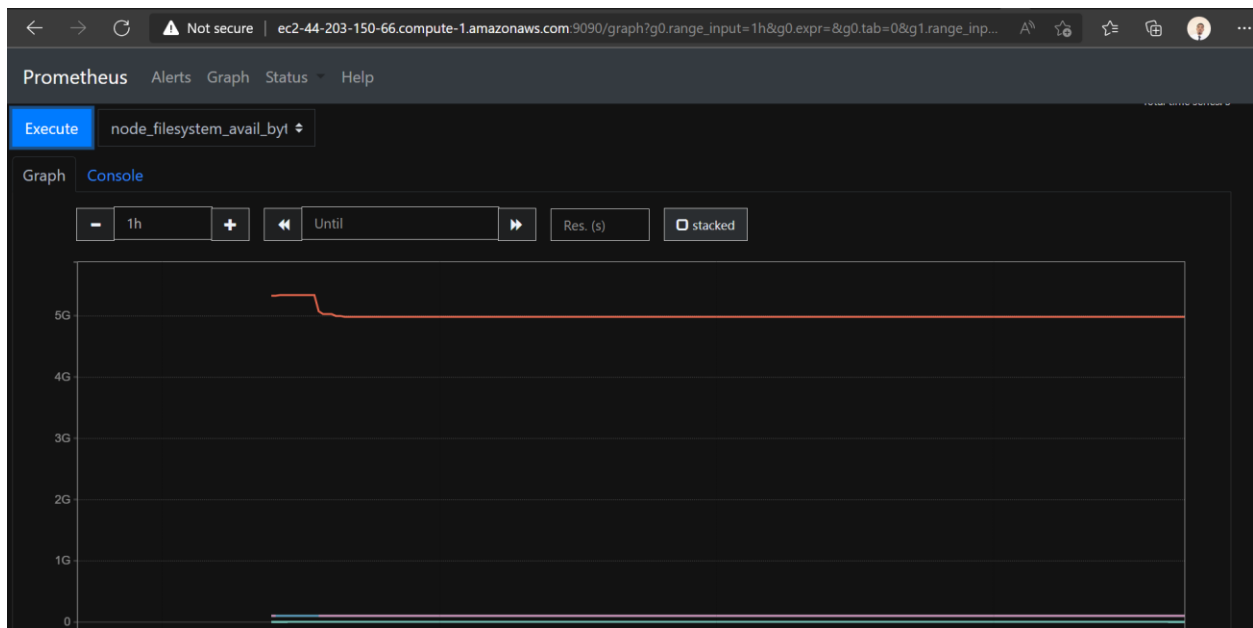
CPU:



MEMORY:



DISK:



Evidence that Prometheus and AlertManager send alerts when certain conditions exist in the EC2 instance. [SCREENSHOT12]:
