

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]:

The screenshot shows the CircleCI interface for a user named 'Maxylakers Mathew'. The left sidebar contains navigation links: Dashboard, Projects, Insights, Organization Settings, and Plan. A message in the sidebar states: 'Can't find an organization? Check permissions and update access to the ones you want.' The main area displays 'Parallel runs' with a summary bar indicating 0 successful runs and 00.00s duration. Below this, a list of steps is shown: 'Spin up environment' (2s), 'Preparing environment variables' (0s), 'Checkout code' (0s), and 'Restoring cache' (0s). The 'Build front-end' step is highlighted in red, indicating it failed. The terminal output for this step shows a shell script that exits with status 1, and a message from CircleCI stating 'Exited with code exit status 1' and 'CircleCI received exit code 1'.

Failed unit tests. [SCREENSHOT02]:

The screenshot shows the CircleCI interface for a user named 'Maxylakers Mathew'. The left sidebar contains navigation links: Dashboard, Projects, Insights, Organization Settings, and Plan. A message in the sidebar states: 'Can't find an organization? Check permissions and update access to the ones you want.' The main area displays the terminal output of a failed build job. The output shows a table of test results for various files, including 'index.ts', 'containers/Employee/reducer', 'employees.ts', 'sampleData.ts', 'containers/Employee/services', and 'employees.ts'. The table shows that 1 test failed and 4 tests passed. Below the table, the output indicates that the test suites failed: 'Test Suites: 1 failed, 4 passed, 5 total' and 'Tests: 1 failed, 11 passed, 12 total'. The output also shows an npm error: 'npm ERR! code ELIFECYCLE' and 'npm ERR! Failed at the typescript-react-redux-boilerplate@1.0.0 test script.' The final message from CircleCI is 'Exited with code exit status 1' and '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. The report summary states: 'found 660 vulnerabilities (5 low, 183 moderate, 335 high, 137 critical) in 1896 scanned packages', 'run `npm audit fix` to fix 485 of them', '173 vulnerabilities require semver-major dependency updates', and '2 vulnerabilities require manual review'. The process exited with code 1.

Severity	Description
Low	The 'size' option isn't honored after following a redirect in node-fetch
Low	The 'size' option isn't honored after following a redirect in node-fetch

found 660 vulnerabilities (5 low, 183 moderate, 335 high, 137 critical) in 1896 scanned packages
run 'npm audit fix' to fix 485 of them.
173 vulnerabilities require semver-major dependency updates.
2 vulnerabilities require manual review. See the full report for details.

Exited with code exit status 1
CircleCI received exit code 1

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

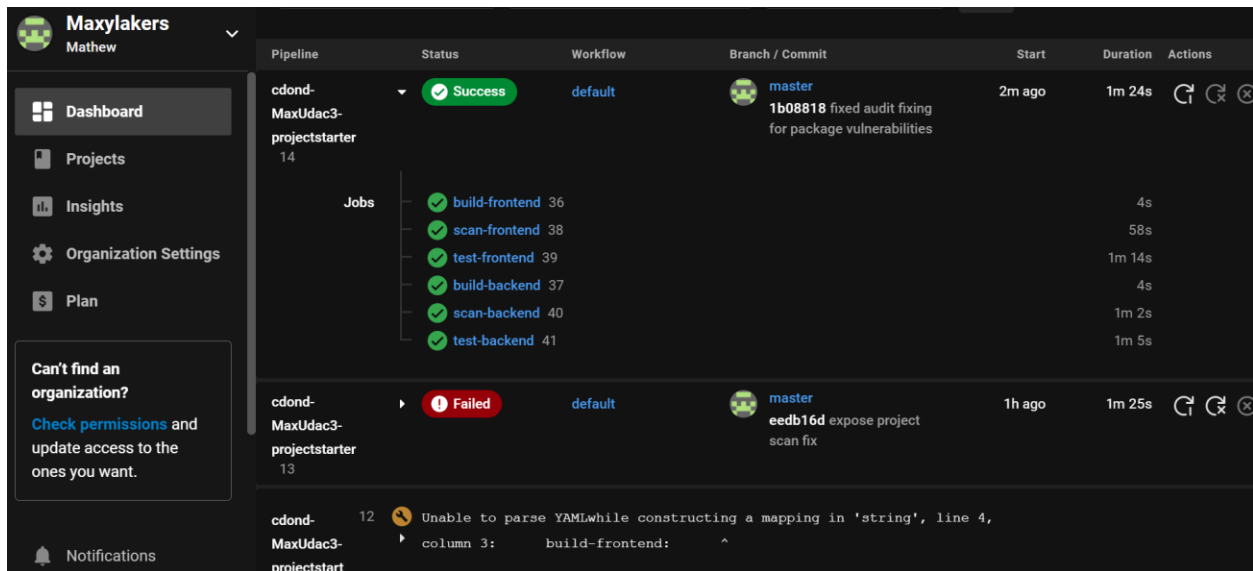
The screenshot shows a 'Uh-oh, this workflow did not succeed.' alert. The workflow details are as follows:

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

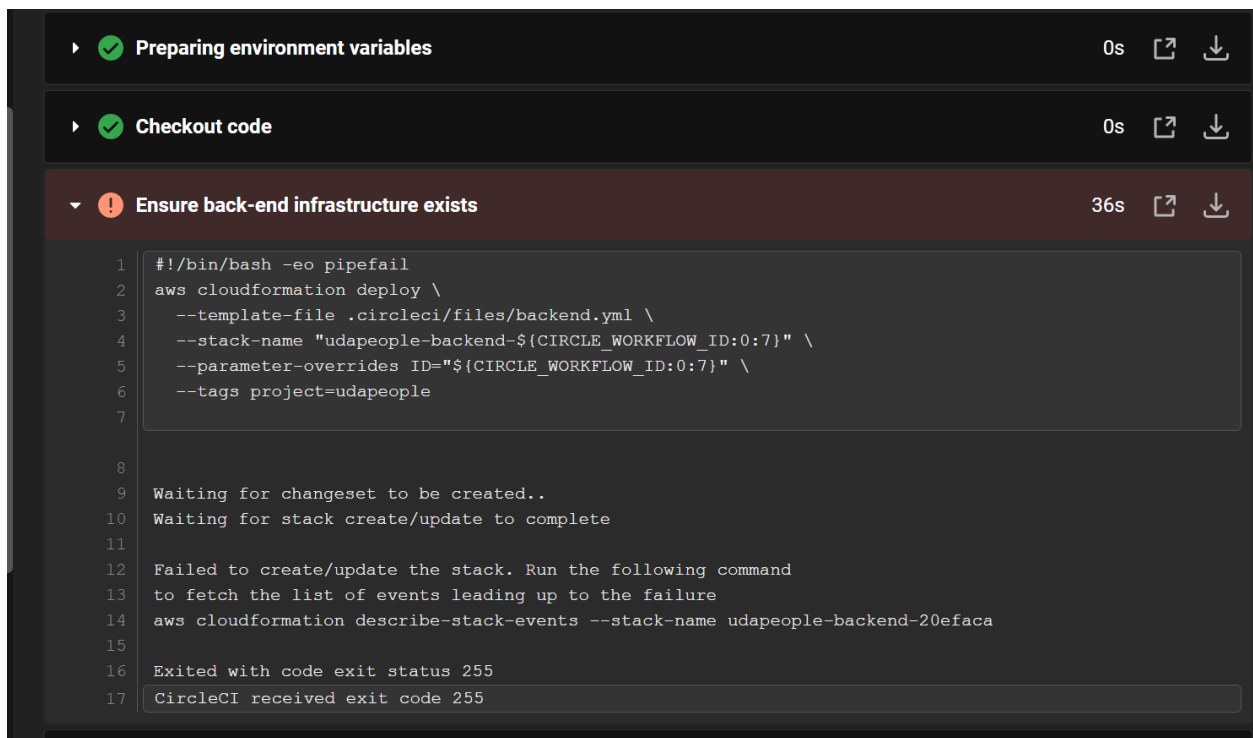
Below the details, a table lists the jobs and their status:

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

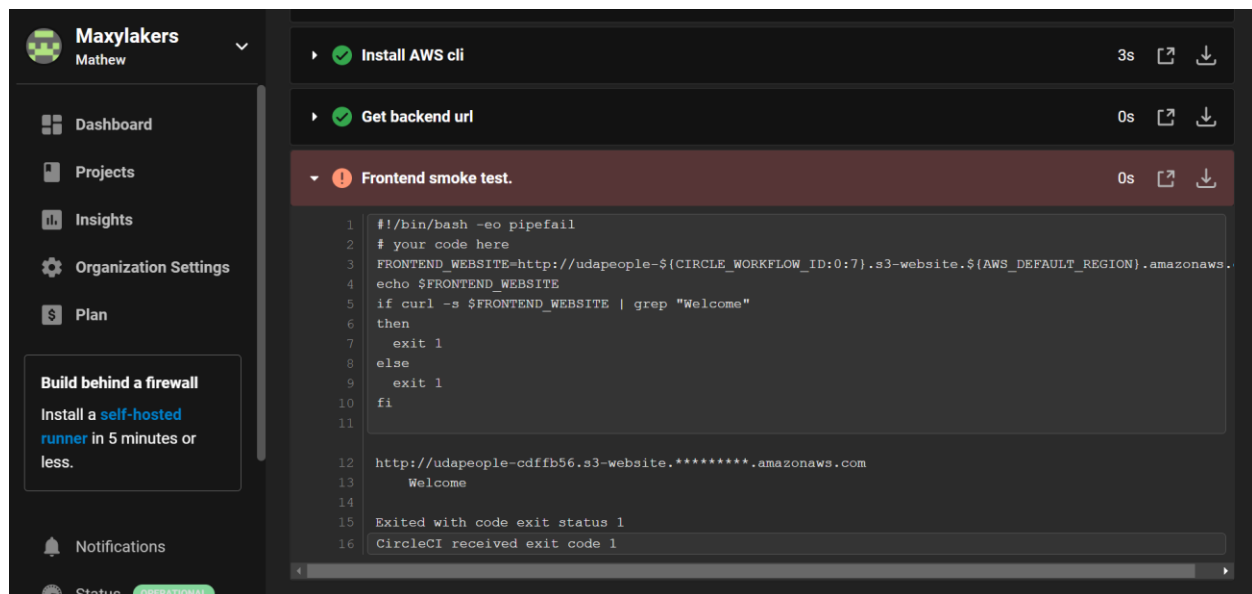
Compile errors have been fixed, unit tests have been fixed and all critical security vulnerabilities caught by the "Analyze" job have been fixed:



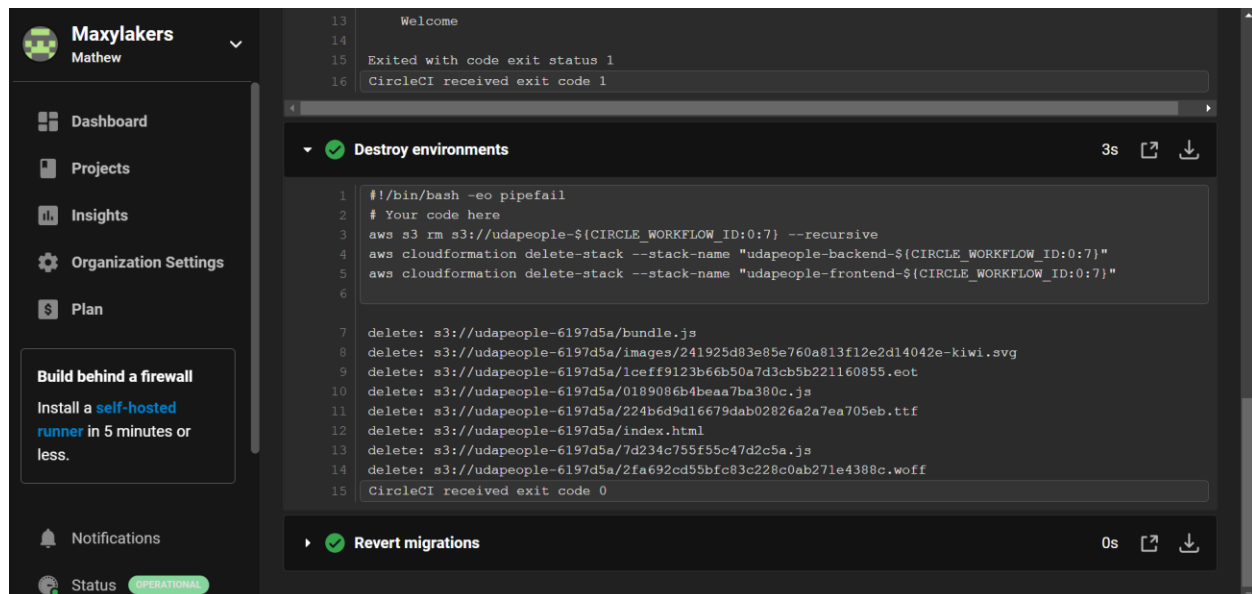
Console output of appropriate failure for infrastructure creation job (using CloudFormation). [SCREENSHOT05]:



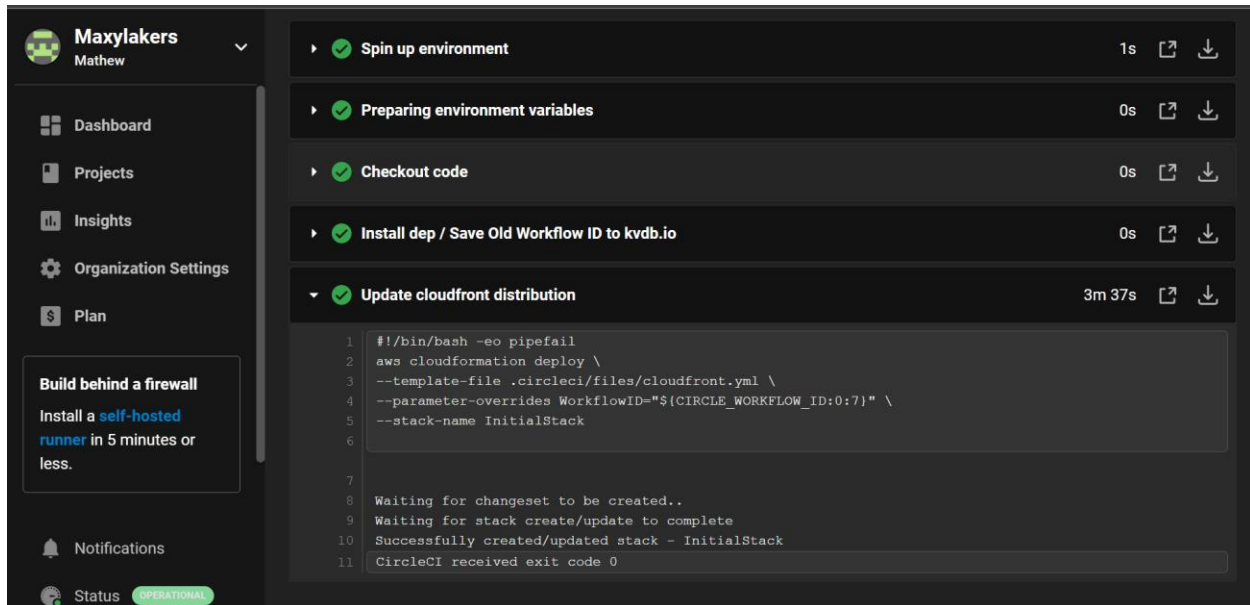
Console output of a smoke test job that is failing appropriately. [SCREENSHOT06]:



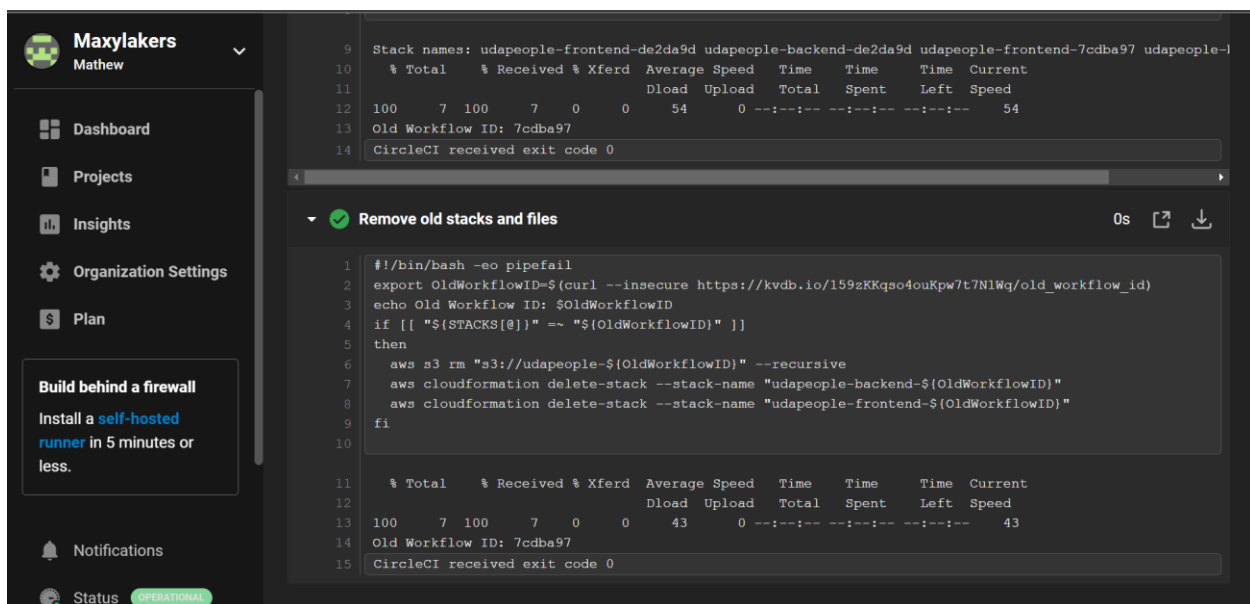
Console output of a successful rollback after a failed smoke test. [SCREENSHOT07]:



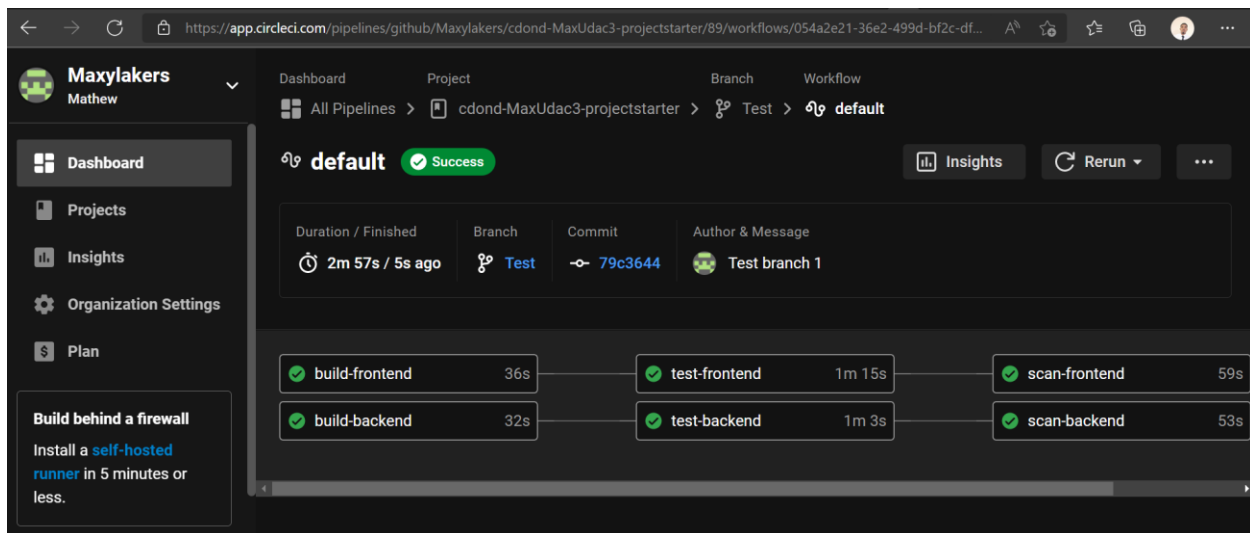
Console output of successful promotion of new version to production in CloudFront. [SCREENSHOT08]:



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

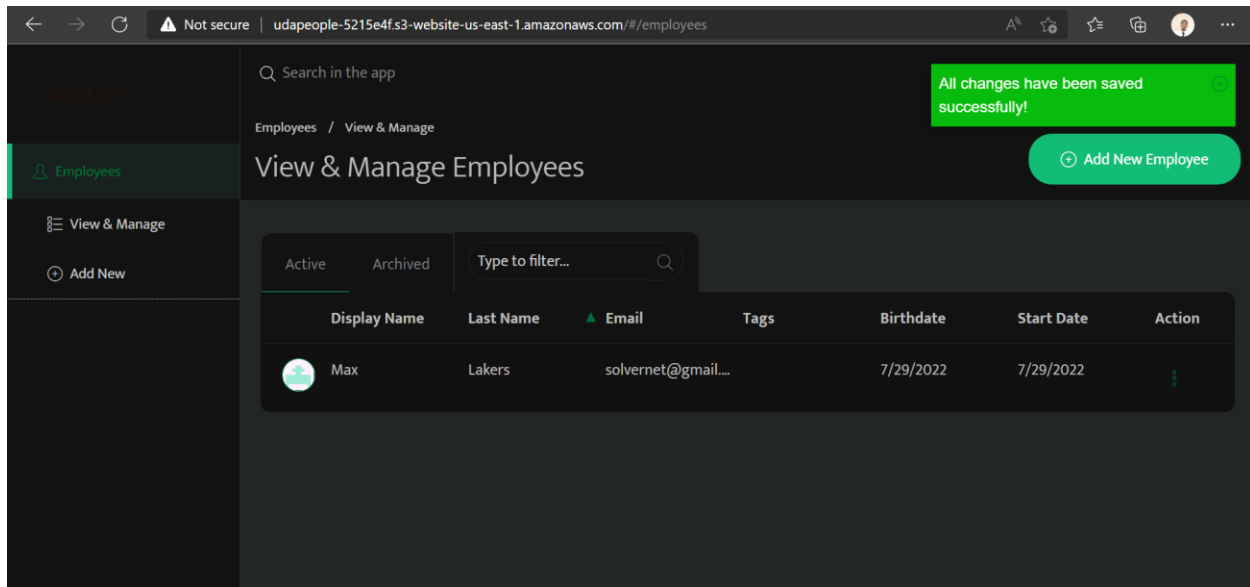


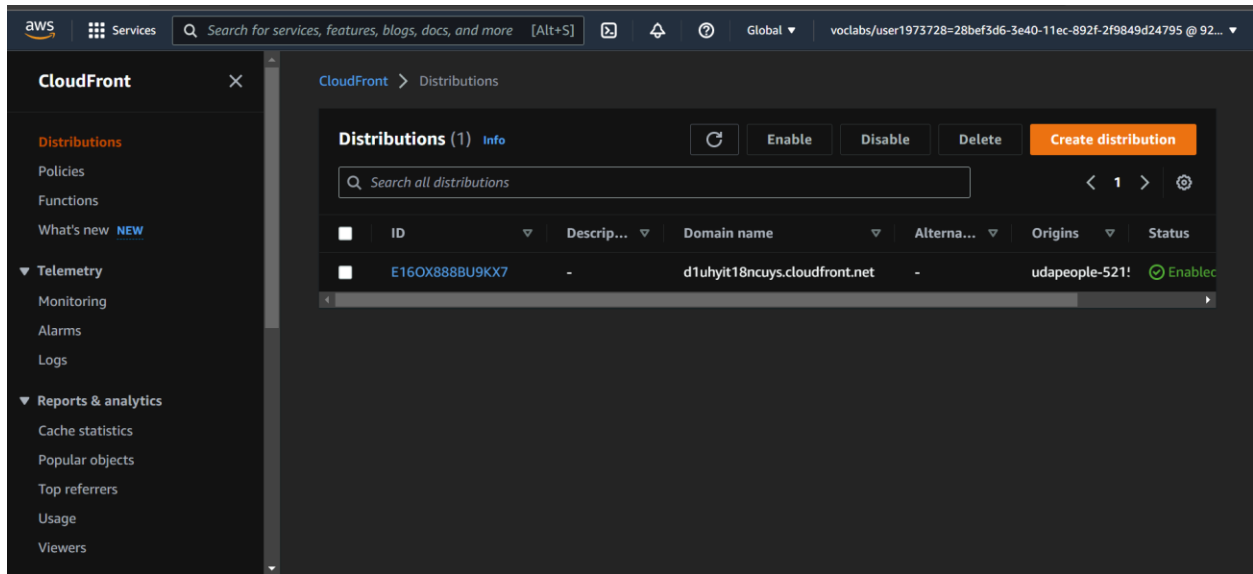
Evidence that deploy jobs only happen on master branch. [SCREENSHOT10]:



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/)





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

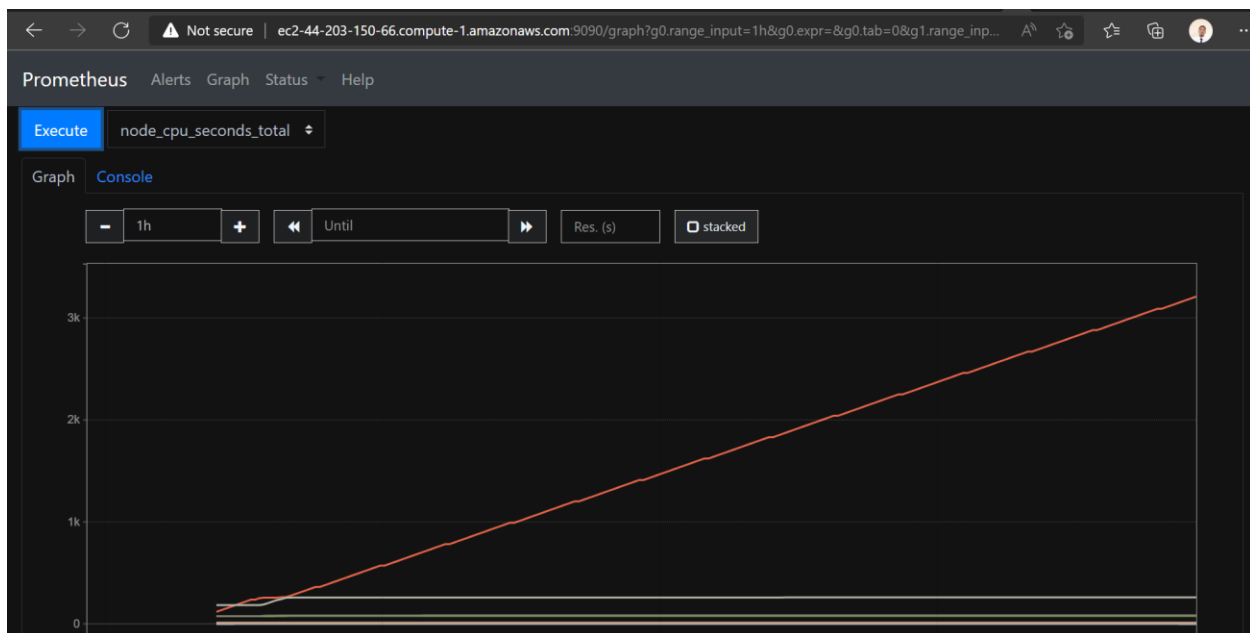
All Unhealthy

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):

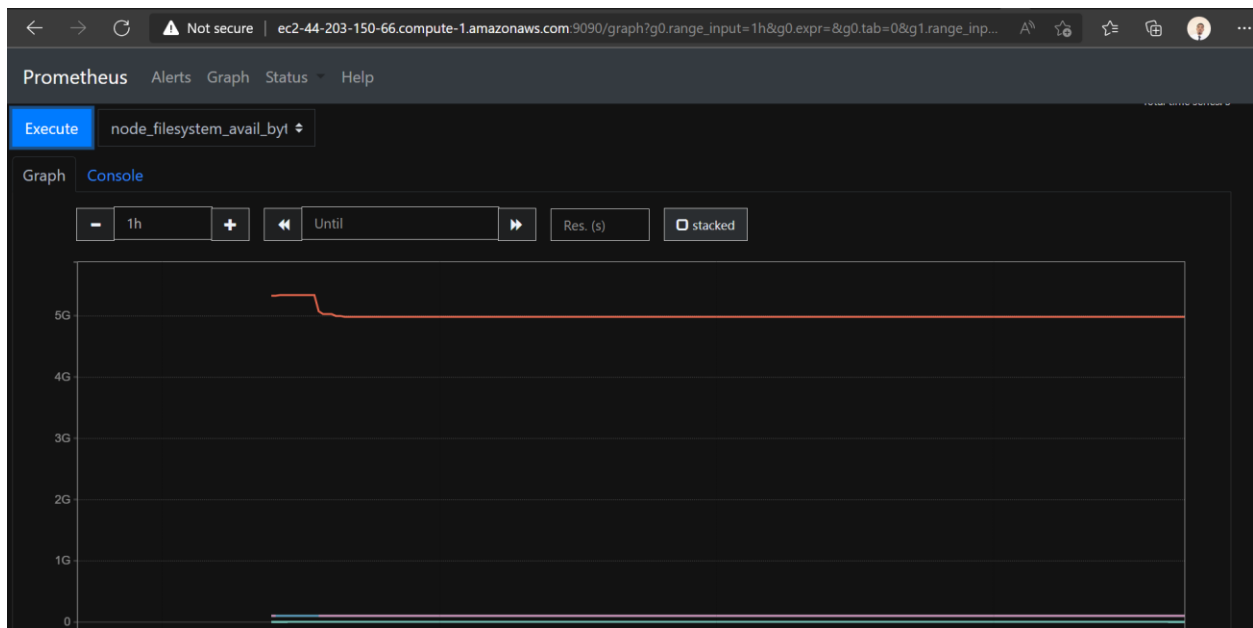
CPU:



MEMORY:



DISK:



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