

CI e CD com Bitbucket Pipeline e Serverless Framework



Quem sou eu ?



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O que vamos ver ?

- Primeiros passos com Bitbucket Pipeline
- Criando um artefato com Bitbucket Pipeline
- Trabalhando com cache no Bitbucket Pipeline
- Criando etapas personalizadas no Bitbucket Pipeline
- Criando etapa com confirmação manual no Bitbucket Pipeline.
- Primeiros passos com o Serverless Framework.
- Fazendo o deploy com o Serverless Framework.
- Criando imagens Docker para CI e CD

Primeiros Passos com Bitbucket Pipeline

The screenshot displays the Bitbucket Pipelines interface for a repository named 'Alpha-team-app'. The left sidebar contains navigation links: Source, Commits, Branches, Pull requests, Pipelines (selected), Deployments, Downloads, Boards, and Settings. The main area shows 'Pipeline #14' with a 'Successful' status and a 'Rerun' button. It was executed 26 seconds and 20 hours ago, pushed by Jonathon Lowe. The pipeline consists of five steps: build (6s), test (6s), Deploy to staging (6s), and Deploy to production (6s). The 'Logs' tab is open, showing the output of the 'Build' step. The logs indicate a failure in the 'calculator.test.js' file due to 'two high priority ops'.

Pipeline #14

Jonathon Lowe / alpha-team-app / Pipelines

Successful Rerun

26 sec • 20 hours ago

Push by Jonathon Lowe

Commit: 8deac4

Pipeline View configuration

- build 6s
- test 6s
- Deploy to staging 6s
- Deploy to production 6s

Logs Download raw

Build + Add a service or database

```
+ npm test
npm info it worked if it ends with ok
npm info using npm@9.10.10
npm info using node@v6.9.4
npm info lifecycle @atlassian/calculator@1.0.0-pretest: @atlassian/calculator
npm info lifecycle @atlassian/calculator@1.0.0-test: @atlassian/calculator

> @atlassian/calculator@1.0.0 test /opt/atlassian/pipelines/agent/build
> jest

FAIL ./calculator.test.js
  • two high priority ops

  expect(received).toBe(expected)

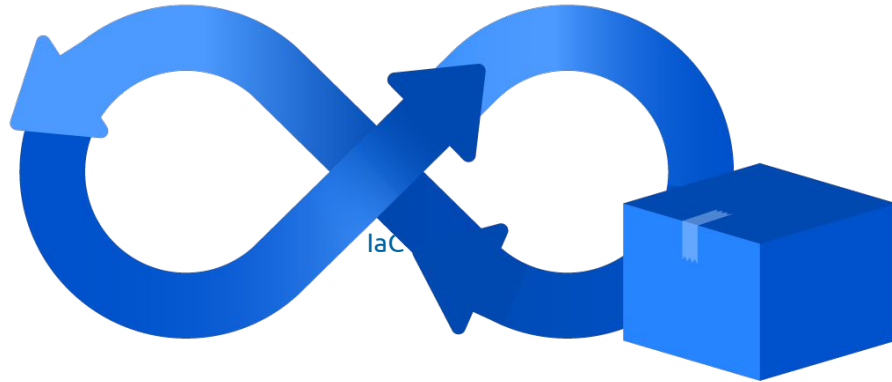
  Expected value to be (using ===):
    5.75
  Received:
    4.25

    at Object.<anonymous>.test (calculator.test.js:38:38)
    at Promise.resolve.then.el (node_modules/p-map/index.js:46:16)
    at process._tickCallback (internal/process/next_tick.js:103:7)

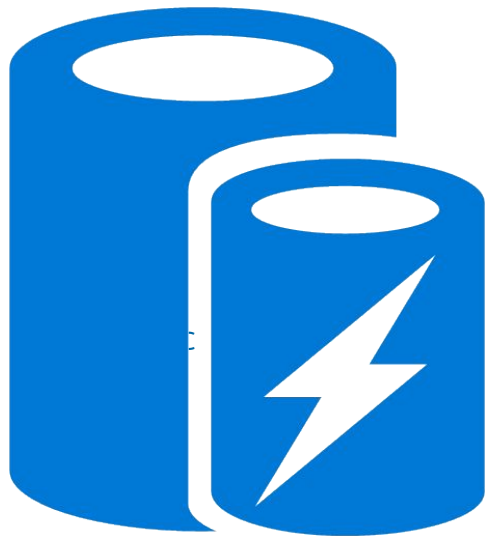
  ✓ single addition (4ms)
  ✓ multiple addition (1ms)
  ✓ dangling addition (1ms)
  ✓ subtraction
  ✓ addition and subtraction (1ms)
  ✓ multiplication
  ✓ division (1ms)
  ✓ order of operations (1ms)
  ✓ multiple order of operations (1ms)
  ✗ two high priority ops (3ms)

Test Suites: 1 failed, 1 total
Tests: 1 failed, 9 passed, 10 total
Snapshots: 0 total
Time: 0.652s
```

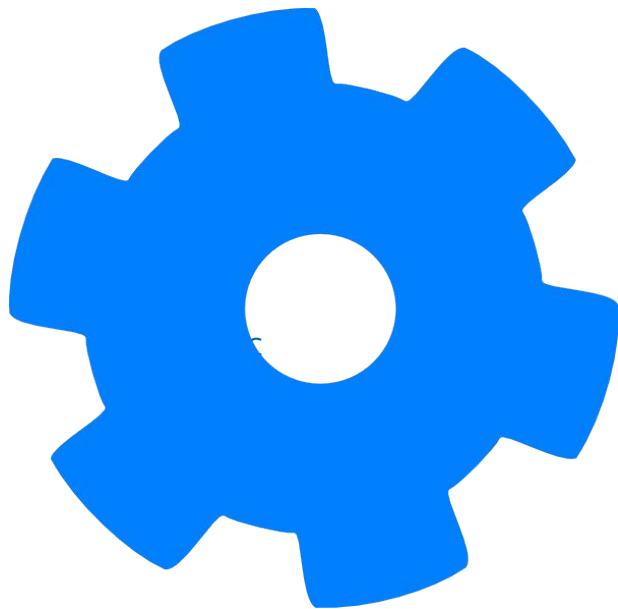
Criando um Artefato



Trabalhando com Cache



Criando etapa personalizada



Criando etapa com aprovação manual



Primeiros passos com Serverless Framework



```
$ npm install -g serverless
```

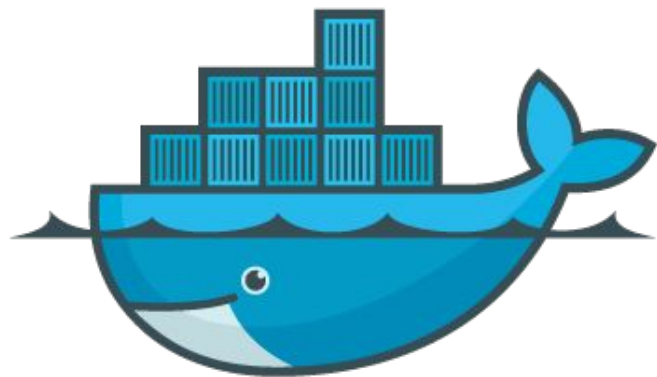
Fazendo deploy com Serverless Framework



serverless

```
$ serverless deploy --stage dev
```

Criando imagens docker para CI e CD



docker

Exemplos Práticos



**Todos os códigos fontes em
bitbucket.org/juliolustosa/bitbucket_serverless**

Obrigado !



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