Applications used:

Node.js

express

Eslint

Jest

Supertest

Node.js and express were used to build a small and simple front-end application. Previously an apache server was used but to enable linting and testing a switch to node was made.

Eslint is a pluggable static code analyzer for javascript, it is configurable via yml file and works with node through npm.

Jest is a testing framework for javascript enabling unit tests. Struggles with choosing unit tests since the front end barely even has functions there’s nothing really to unit test.

Front-End:

Simple express server application, returning the index.html when addressed. The index.html site has a button which upon being pressed request the data from the backend and displays it on the page.

Testing:

Test to check if the app.get() function returns something or is empty, using jest

Ein Bild, das Text enthält.

Automatisch generierte Beschreibung

Making the server and checking if its reponds.

Run via npm test

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Automatisch generierte Beschreibung

The forceExit flag forces jest to exit after all tests have been run through.

Code Coverage:

Not entirely sure how to value that in my case.

Pipeline:

Azure devops Pipeline

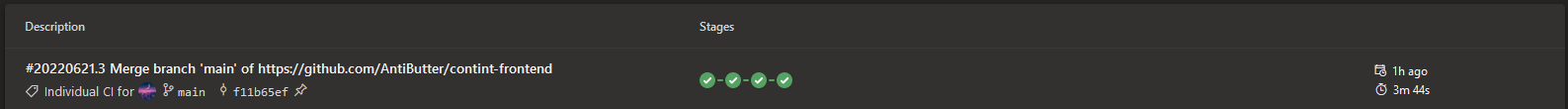
4 Stages:

Linting

Testing

Building

Pushing/Deployment



Pipeline run through triggered by a push to the main branch.

Problems with Azure Devops:

Even though it has a very good documentation some things are hard to find, most guides have very specific uses and are not entirely usable.

Running the program:

Pulling from dockerhub -> docker pull antibutter/frontend:$(desiredVersion)

docker run -p 5000:5000 antibutter/frontend:$(pulledVersion)

Links:

<https://github.com/AntiButter/contint-frontend>

<https://hub.docker.com/repository/docker/antibutter/frontend>