**Brief Writeup of the three different CI’s**

**Travis CI**

Travis CI is relatively easy to set up, you create an account, add your Git repository to the account and place a travis.yml file into said repository.

This CI is very ‘set and forget’ oriented, where after each commit a build is triggered, and you only hear back if the build is broken.

Travis supports a wide variety of programming languages - the total list can be found [here](https://docs.travis-ci.com/user/languages/).

Open source projects can be managed for free, and closed source (private) project can be managed on a fee basis.

Travis has Pre-Installed database services and uses a clean VM for every build.

Can be run on Mac, Linux and iOS, with an early release for windows.

If a build fails, Travis prevents a user from merging until it passes the build test.

**Jenkins**

Can be used as a simple CI or turned into the CD hub for any project

Ready to run out of the box

Packages for windows, OS X, and \*nix systems

Has plugin features allowing the program to be extended

Is capable of being run in a distributed fashion, speeding up the builds, tests and deployments

Jenkins is Open Source

Written in Java – Mainly used for java.

**Semaphore**

More configuration required than with the other CI’s, due to your custom designed build test and deploy pipeline.

Claims to have the fastest CI/CD platform

Supports Linux and Docker.

‘Only pay for what you use’ billing cycle.

Able to deploy straight to Cloud providers.

No servers to manage, environments are run in clean isolated environments where you can access via SSH