Testing Policy - Docks

TripleParity

Contents

1	Cesting Process 1	ĺ
	.1 Peer Review	l
	.2 Automated Testing and Continuous Integration	
	1.2.1 Travis CI	l
	1.2.2 Docker Cloud	

1 Testing Process

1.1 Peer Review

Before code can be merged into the develop branch a Pull Request has to be created. Three reviews are required from other developers before the pull request can be merged into develop.

During peer reviews the following should be checked:

- Architectural problems will this cause problems in the future?
- Compliance with requirements and design is that what we need?
- Coding Standards proper code formatting and security standards?

1.2 Automated Testing and Continuous Integration

When a commit is made to the 'docks-ui' repository on GitHub two processes are started:

- Travis CI Builds the repository
- Docker Hub builds the repository and creates a Docker Image that can be deployed in production

1.2.1 Travis CI

The history of test reports for Travis CI can be viewed at https://travis-ci.org/TripleParity/docks-ui/branches. If the build was not successful it will be marked as 'failed'

Travis CI is used for running tests associated with each repository.

For the frontend Angular generates a set of tests for each component to verify that the component was successfully created. These tests run inside a headless (no screen required) Chrome browser.

The backend also has a suite of unit tests that are executed on Travis CI.

Default Branch

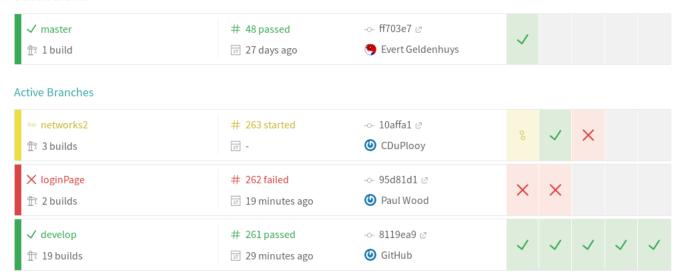


Figure 1: Screenshot of Travis CI branch build history

1.2.2 Docker Cloud

Docker images are build on Docker Cloud. These image can then be deployed in a production environment or for development and testing. Images can be viewed at https://hub.docker.com/u/tripleparity/

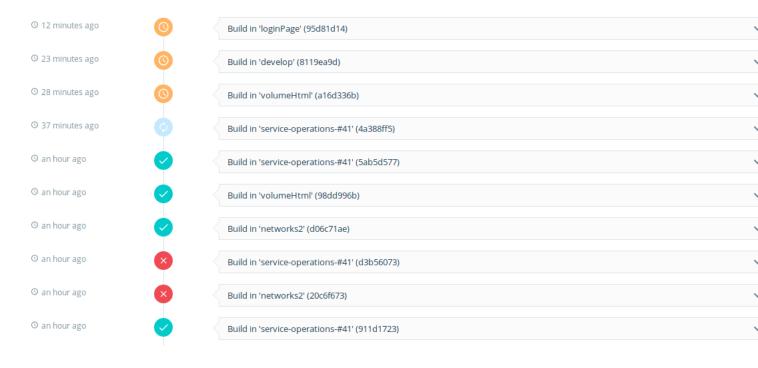


Figure 2: Screenshot of Docker Cloud Build History