Continuous integration

Robots takin' care of bizness.

Continuous wha?

" Continuous integration aims to improve the quality of software, and to reduce the time taken to deliver it, by replacing the traditional practice of applying quality control after completing all development. "

Practices

- Version control.

- Local development sandboxes.

- Automated testing.

- Staged environments.

  - sandbox, testing, production.

Benefits

- Commit more often.

- Commit with confidence.

- Visibility into project.

- Faster feedback loops.

Automated bots

- No humans!

- Write once, run everywhere.

- Always behaves the same.

- Predictable.

When to run the bots

- After each commit.

- After each push.

- On a schedule.

- When you click a button.

Continuous Bots

- Always testing.

- Always building.

- Always deploying.

Make a good build

- Run tests

- Run lint / code standards checks.

- Build packages/assets/artifacts.

- Deploy!

Jenkins

- Easy to use CI server.

- Awesome community.

- Plugins for everything.

- There are other tools, and they are good too.

DEMO!