

Travis CI



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Agenda

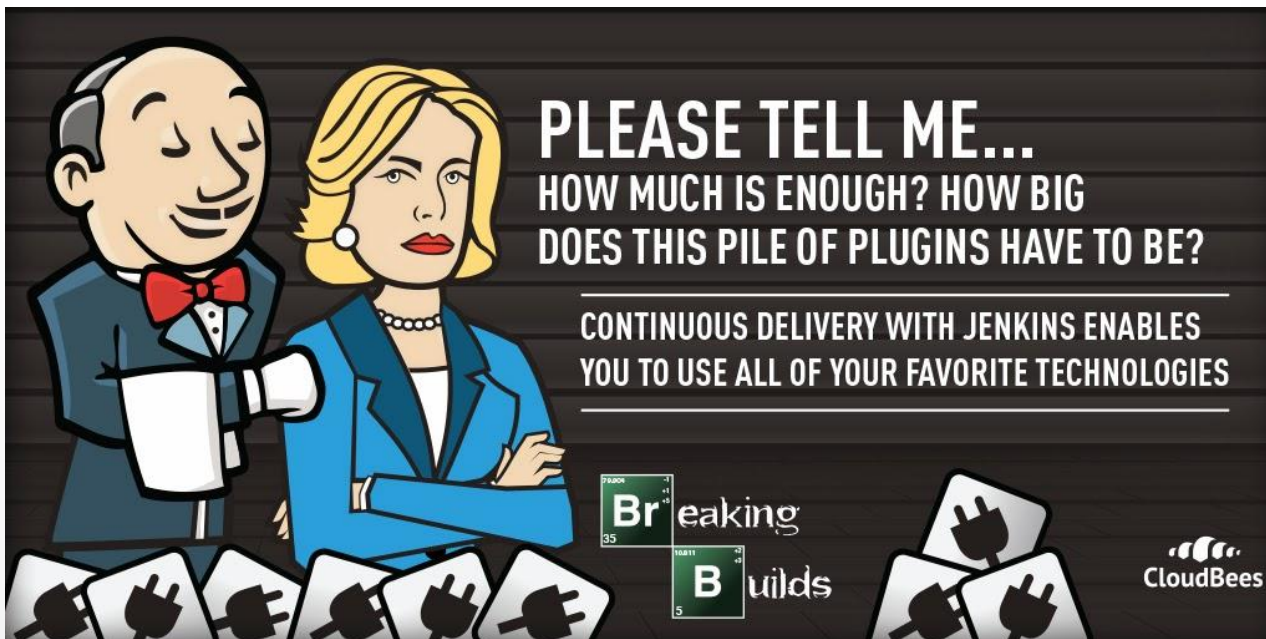
- Introduction
- Demonstration
- Q and A

What is Travis?

- «A hosted continuous integration service. It is integrated with GitHub»

Jenkins?

- CI server
- Roots: Java, Sun, Hudson
- Flexible & extensible – 100s of plugins
- Lots of uses and workflows



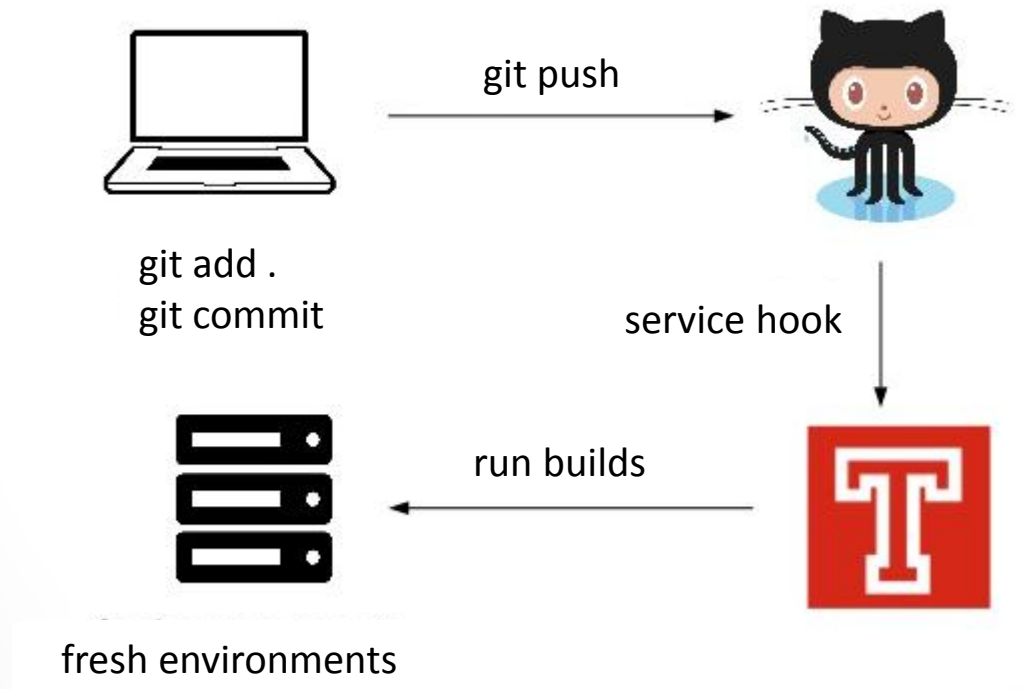
What can Travis do?

- Monitor GitHub projects
- Run tests
- Provide feedback
- Build artifacts
- Check code quality
- Deploy to cloud services
- Whatever you can make it do

Travis VS Jenkins

Travis	Jenkins
Commercial	Open-source
Service	Application
Convention	Configuration
Easy to use	Flexible

How does it work?



Features

- Automatic integration with GitHub
 - Repository access
 - Building pull requests
- First class support for 21 languages
- Pre-installed build & test tools
- Available services – databases, message queues, etc
- Deployment to multiple cloud services

Features

- Encrypt secure environment variables or files
- Parallel builds with different environments
- Clean environment
 - Virtual machines recreated after every build
- CLI client and API for scripting

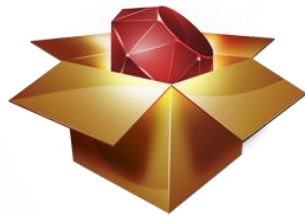
Supported platforms

- OS: Linux, iOS and Mac
- Android
- C
- C++
- Clojure
- C#
- D
- Erlang
- Go
- Groovy
- Haskell
- Java
- JavaScript (with Node.js)
- Julia
- Objective-C
- Perl
- PHP
- Python
- Ruby
- Rust
- Scala
- Visual Basic

Supported deployment tools



OPENSIFT



... And many others

Pros

- Easy to configure & use
- Great integration with GitHub and cloud services
- Fast (*usually*)
- It's popular

Cons

- No manual builds
- No build pipelines
- Need to rely on their infrastructure
- Less extensible than Jenkins
- Not suitable for high-security projects
- It's popular

Alternatives: Cloud

- **circleci.com** - very similar to Travis, more advanced testing, Docker support
- appveyor.com - for Windows apps
- ship.io - iOS
- codeship.io - focuses on Continuous Delivery to cloud services
- drone.io – fully open-source
- solanolabs.com - focuses on test-driven development
- wercker.com - new, innovative project (in beta)
- assembla.com - alternative to Atlassian tools, includes CI

Alternatives: Self-hosted

- DotCi - Jenkins extension by Groupon
- Custom setup with Jenkins + Docker + GitHub API
- Drone – Open-Source version of drone.io

Let's see it in real life!

Thank you for your attention

- Time for questions!

Feedback



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