CSCI-E-29 Session: Week 1

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September 2018

Topics

- Overview (10m)

- Discussion: Pset-0 (10m)

- Group Activity (15m)

- Continuous Integration (15m)

- Q&A (10)

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Discussion: Pset-0

Group Activity: Community of Practice

Community of Practice

Communities of practice are groups of people who share a concern or a passion for something they do and learn how to do it better as they interact regularly.

The domain: A community of practice is not merely a club of friends or a network of connections between people. It has an identity defined by a shared domain of interest. Membership therefore implies a commitment to the domain, and therefore a shared competence that distinguishes members from other people.

The community: In pursuing their interest in their domain, members engage in joint activities and discussions, help each other, and share information. They build relationships that enable them to learn from each other; they care about their standing with each other. A website in itself is not a community of practice. Having the same job or the same title does not make for a community of practice unless members interact and learn together.

The practice: A community of practice is not merely a community of interest–people who like certain kinds of movies, for instance. Members of a community of practice are practitioners. They develop a shared repertoire of resources: experiences, stories, tools, ways of addressing recurring problems—in short a shared practice. This takes time and sustained interaction.
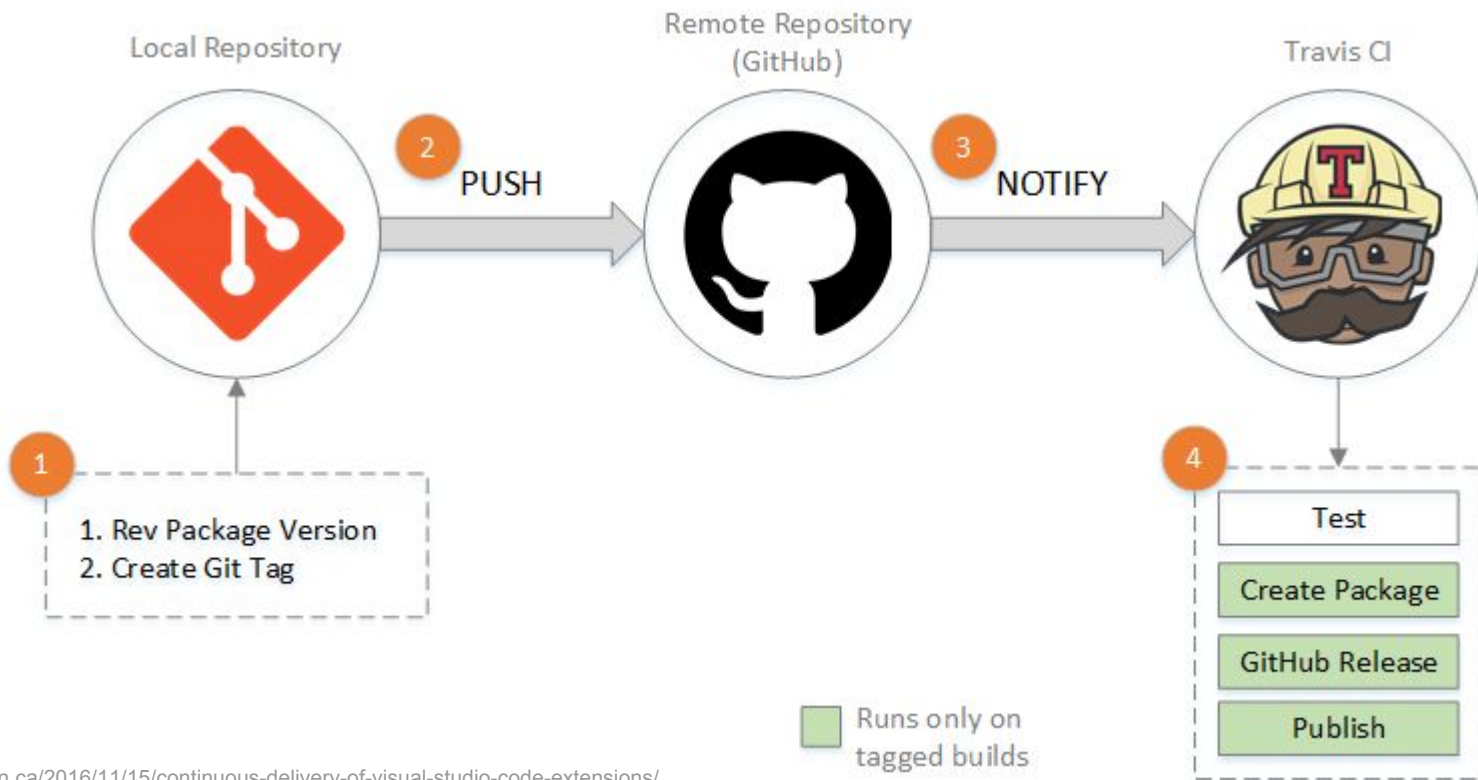
Continuous Integration

Continuous Integration

Continuous Integration is the practice of merging in small code changes frequently - rather than merging in a large change at the end of a development cycle. The goal is to build healthier software by developing and testing in smaller increments.

https://travis-ci.org/getting_started

Continuous Integration

Local Repository

Remote Repository
(GitHub)

Travis CI

2 PUSH

3 NOTIFY

1
1. Rev Package Version
2. Create Git Tag

4

Test

Create Package

GitHub Release

Publish

Runs only on
tagged builds

Q&A