

Continuous Integration

A Gentle Introduction

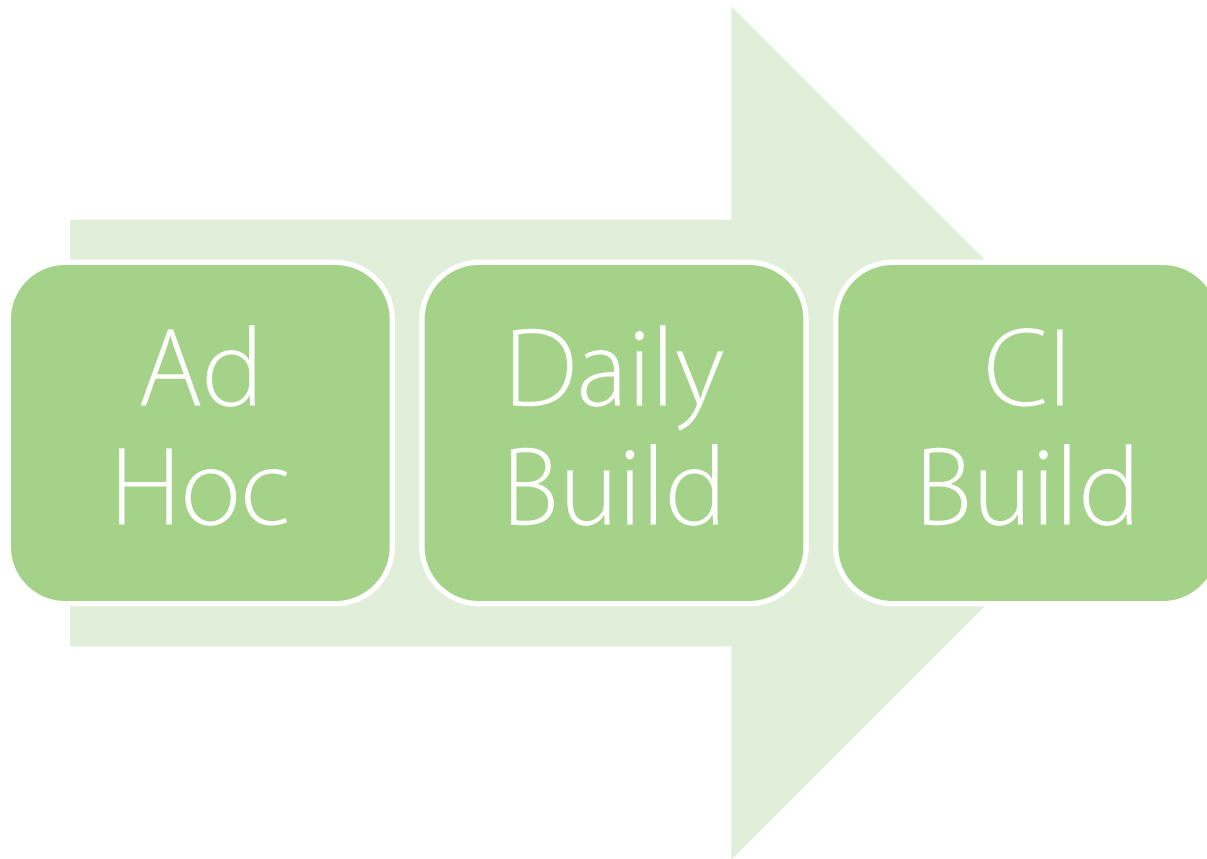


Overview

- What is Continuous Integration?
- What problems does Continuous Integration solve?
- Benefits of Continuous Integration



Build Process



Levels of Code Confidence

- Does the code compile?
- Does the code pass our tests?
- Does the code meet our business requirements?
- Does the code meet our quality bars?

CI as an Enabler

- Automatically produce build artifacts
- Easier staged deployment (DEV-TEST-PROD)
- Automated deployment

Benefits of Continuous Integration

- Code in your version control system works
- Less time spent integrating
- Increased visibility of progress
- Reduced project risk
- Reduced friction within the project team
- Increased autonomy of testers
- Less time spent creating and deploying builds
- Increased confidence of team and stakeholders
- Side benefit
 - Easier ramp-up of new developers

Summary

- Defined Continuous Integration
- Problems solved by Continuous Integration
- Benefits of Continuous Integration