

Why using CI/CD?

UDAPEOPLE

Overview

- What is CI/CD?
- What we are trying to resolve at udapeople?
- Benefits of CI/CD
- Proposed process flow

What is CI/CD

- Continuous integration: is a software development practice where members of a team integrate their work frequently; usually each person integrates at least daily-leading to multiple integrations per day.
- Continuous deployment: is a software development discipline where you build software in such a way that the software can be release to production at any time.
- Continuous deployment: every change you make automatically gets deployed through the deployment pipeline.

Continuous
Integration + Continuous
Deployment = Continuous
Delivery

Benefits of CI/CD

- Reducing development time to market
 - Deploy to production without manual checks
- Improvement code-quality from developers' work
 - Catch compile errors after merge
 - Catch unit test failures
- Efficient and automated develop work
 - Automated smoke tests

Proposed process flow

