

UDAPEOPLE BUSINESS CASE FOR CI/CD

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WHAT IS CI/CD?

1. Continuous Integration

CI describes the process of merging developer branches to the main branch several times a day. CI puts an emphasis on test automation and finally generates a high quality, deployable artifact.

2. Continuous Delivery

In addition to CI, CD makes sure that changes of a software product can be released quickly to customers in an automated way and at any point in time.

3. Continuous Deployment

Continuous Deployment extends CD in such a way that it allows frequent automated deployments without any human interaction. Typical phases in Continuous Deployment are Infrastructure Provisioning, Smoke Testing, Production Deployments and automated Rollbacks.

FINANCIAL BENEFITS

COST:

Reduce

- Less developer time on issues from new developer code\
- Less Infrastructure cost from unused resources.

Avoid

- Less bugs in production and less time in testing
- Prevent embarrassing or costly security holes

Revenue

Protect

- Reduced downtime from a deploy-related crash of major bug
- Quick undo to return production to working state

Increase

- New value-generating features released more quickly
- Less time to market

