

Going into CI/CD

Achieve, Build, and Deploy Automation for
UDAPeople Cloud-Based Software Products

What is CI/CD?

- It's an engineering paradigm in which teams produce and release value in short cycles
- Continuous Integration is the practice of merging working copies to a shared main line several times a day
- Continuous Deployment is an approach in which value is delivered frequently through automated deployments
- Continuous Integration + Continuous Deployment will achieve Continuous Delivery

Benefits of CI/CD on Teams

- Reduce human errors through automation
- Faster integration and deployment through framework and tools
- Transparency and accountability will be enforced
- More time for delivering value as release cycle time is reduced
- Unit tests is enforced and can be done more efficiently
- Broken codes will be highly reduced

Benefits of CI/CD on Business

- Reduce Cost
 - Less developer time on issues
 - Less infrastructure cost from unused resources
- Avoid Cost
 - Less human error, faster deployments
 - Prevent costly security holes
- Increase Revenue
 - Less time to market
 - New value-generating features are released more quickly
- Protect Revenue
 - Reduced downtime from deployment crashes or bugs
 - Quick undo to return production into working state