
CI/CD

Fundamentals and Benefits

A guide to cost savings and better products

Fundamentals of CI/CD

Continuous Integration

Using software and practices that enable developers to share work, get instant feedback on code health and security, test in known environments, and compile code to prepare for deployment automatically.

Continuous Deployment

Using software and practices that enable compiled code to build testing and production infrastructure, move and prepare files, deploy, test, and react to failures automatically.

Continuous Integration Benefits

Increased Revenue

Less failures and downtime leads to more revenue

Cost Reduction

Automated tasks reduce human interaction

Revenue Protection

Thoroughly tested codebases are more secure and reliable

Continuous Deployment Benefits

Faster Feature Delivery

Automated process enable immediate deployment of features

Increased Market Share

More features, and less bugs means our product will be purchased over competitors

Automated Rollback

In the event of deployment failure, automated systems return the infrastructure to its last known good configuration