

Fundamentals and Benefits of CI/CD

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

CI/CD will Reduce Cost

CI/CD Benefits	Business Value	Translation
Catch Compile Errors After Merge	Reduce Cost	Less developer time on issues from new developer code
Automate Infrastructure Cleanup	Reduce Cost	Less infrastructure costs from unused resources

CI/CD will Avoid Cost

CI/CD Benefits	Business Value	Translation
Catch Unit Test Failures	Avoid Cost	Less bugs in production and less time in testing
Detect Security Vulnerabilities	Avoid Cost	Prevent embarrassing or costly security holes
Automate Infrastructure Creation	Avoid Cost	Less human error, Faster deployments

CI/CD will Increase Revenue

CI/CD Benefits	Business Value	Translation
Faster and More Frequent Production Deployments	Increase Revenue	New value-generating features released more quickly
Deploy to Production Without Manual Checks	Increase Revenue	Deploy to Production Without Manual Checks
Automated Smoke Tests	Increase Revenue	Reduced downtime from a deploy-related crash or major bug

CI/CD will Protect Revenue

CI/CD Benefits	Business Value	Translation
Automated Rollback Triggered by Job Failure	Protect Revenue	Quick undo to return production to working state

CI/CD Extra Benefits

- Smaller code changes
- Error Isolation
- Reduced deploy errors
- More reliable tests
- Faster release rate
- Increase accountability and transparency
- Smaller backlog
- Faster error resolution time
- Customer satisfaction