

BENEFITS OF CI/CD



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BENEFITS OF CI/CD TO BUSINESS

BACKGROUND

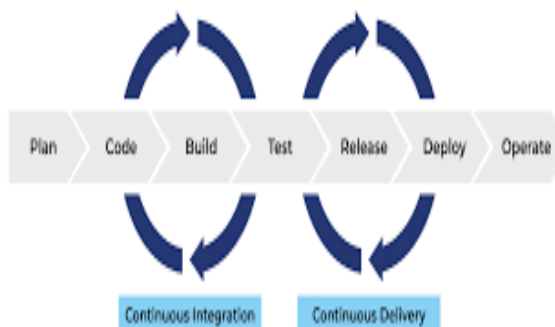
Black Swan Farming created a framework for showing the business benefit of an implementation. According to the framework, business value will:-

- Increase Revenue
- Protect Revenue
- Reduce Cost
- Avoid Cost



DevOps

CI/CD



Technical Language	Value	Translation
Catch compile errors	Reduce cost	Less developer time on issues
Catch unit test failures	Avoid cost	Less bugs in production and less time spent on testing
Detect security vulnerability	Avoid cost	Avoid costly security holes
Automate Infrastructure Creation	Avoid Cost	Less human error, Faster deployments
Automate Infrastructure Cleanup	Reduce Cost	Less infrastructure costs from unused resources
Faster and More Frequent Production Deployments	Increase Revenue	New value-generating features released more quickly
Deploy to Production Without Manual Checks	Increase Revenue	Less time to market
Automated Smoke Tests	Protect Revenue	Reduced downtime from a deploy-related crash or major bug
Automated Rollback Triggered by Job Failure	Protect Revenue	Quick undo to return production to working state