

BUSINESS CASE FOR THE ADOPTION OF CICD



CI/CD

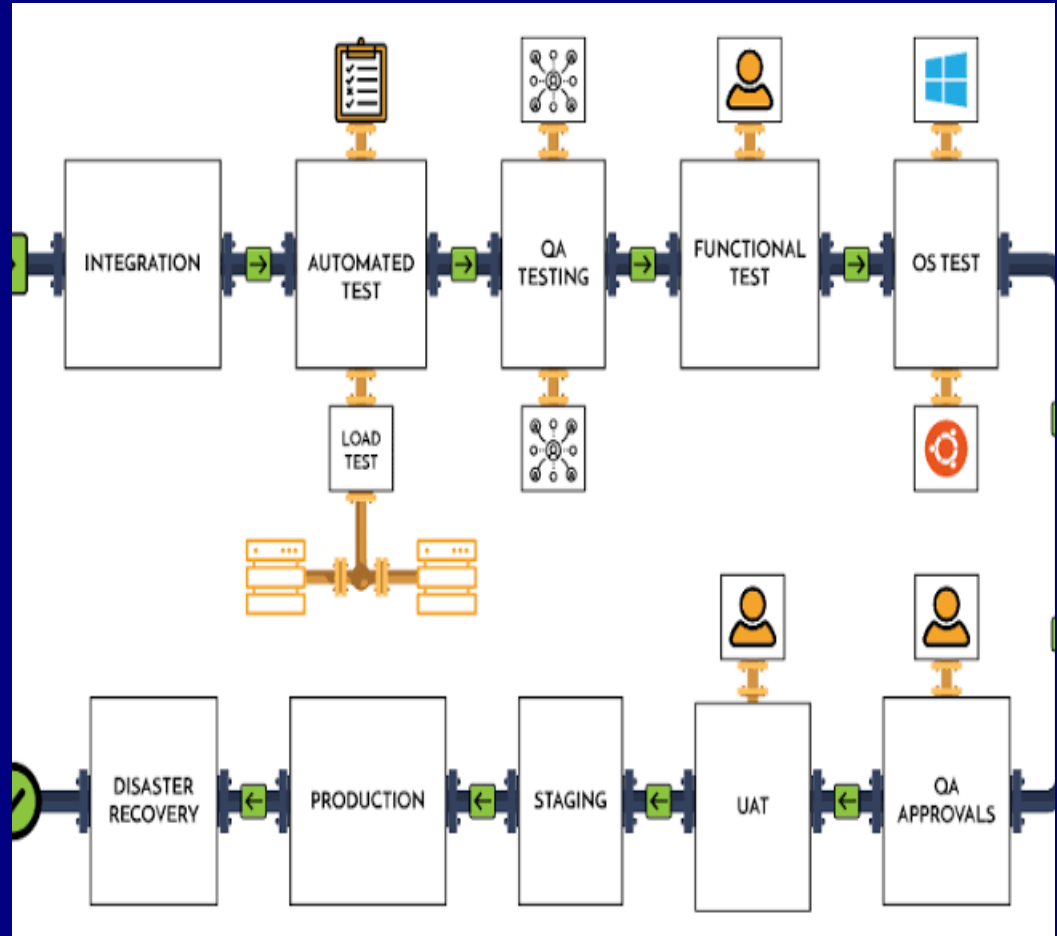
•Continuous integration - is the process by which every time a developer on the team checks in new code, automated builds and tests run. This is the first step in a series of quicker feedback loops that can help notify the developer of issues with their code, so they can make things faster and continue focusing their time on what matters.

•Continuous Delivery - is the process by which every time a developer on the team checks in new code, automated builds and tests run. This is the first step in a series of quicker feedback loops that can help notify the developer of issues with their code, so they can make changes faster and continue focusing their time on what matters.

•Continuous Deployment - A software engineering approach in which the value is delivered frequently through automated deployments. Everything related to deploying the artifact fits here. It's the process of "Moving" the artifact from the shelf to the spotlight. Some common CD-related phases might include:



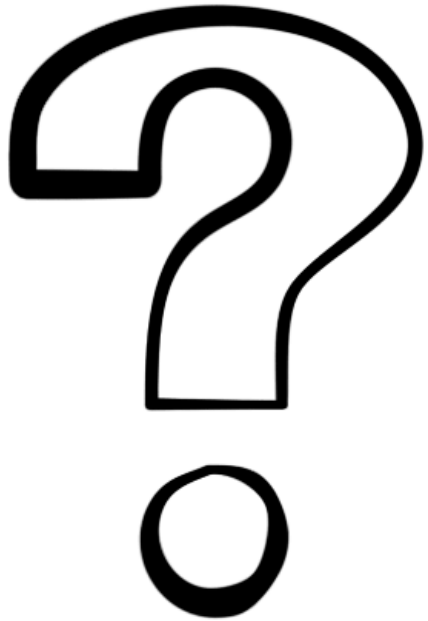
BENEFITS OF CICD



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| Technical Language | Value | Translation |
|---|------------------|---|
| Catch Compile Errors After Merge | Reduce Cost | Less developer time on issues from new developer code |
| 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 |
| 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 |





QUESTIONS ?



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