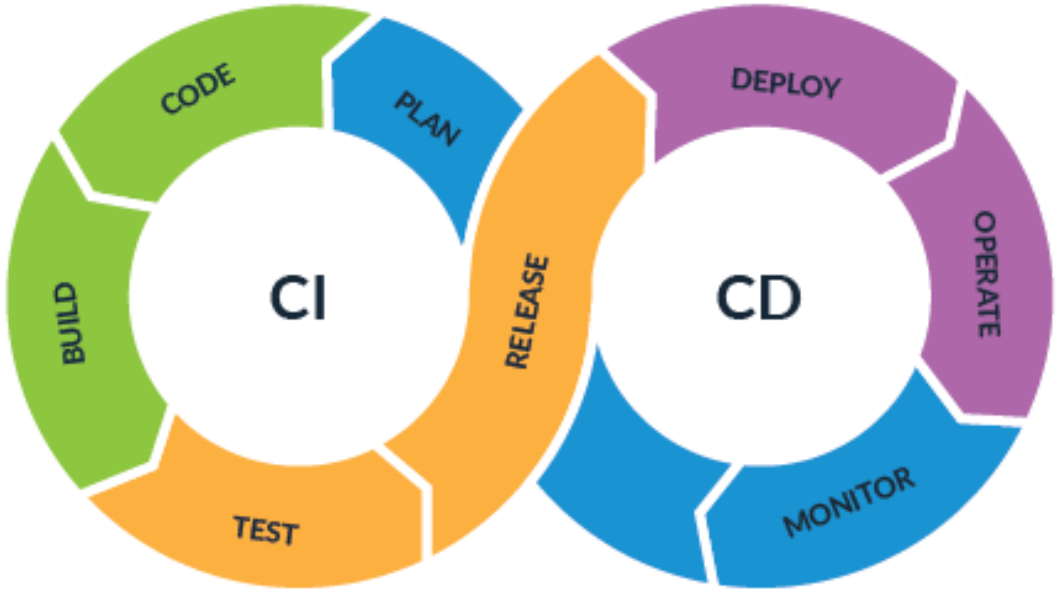
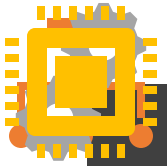
CI\CD

Future of the Automatice Development





What is CI/CD and Continuous Delivery?

Continuous Integration (CI) is the practice of merging different codes to a shared and easily accessible repository many times a day

Continuous Deployment (CD) is the practice of delivering value through automated deployments

Continuous Delivery is the automated practice of producing and releasing value in short cycles through tested software releases .

What are the technical benefits?

- Catch Compile Errors After Merge
- Catch Unit Test Failures
- Detect Security Vulnerabilities
- Automate Infrastructure Creation
- Automate Infrastructure Cleanup
- Faster and More Frequent Production Deployments
- Deploy to Production Without Manual Checks
- Automated Smoke Tests

Business Benefits and Profits

- Less developer time on issues from new developer code
- Less bugs in production and less time in testing
- Prevent embarrassing or costly security holes
- Less human error, Faster deployments
- Less infrastructure costs from unused resources
- New value-generating features released more quickly
- Less time to market
- Reduced downtime from a deploy-related crash or major bug