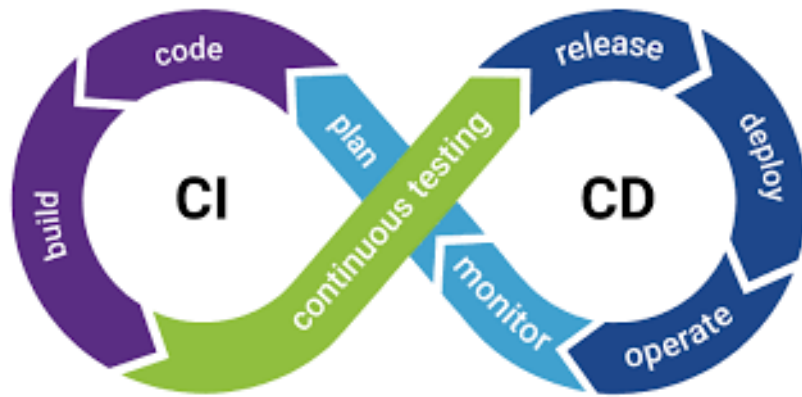Fundamentals and Benefits of CI/CD

What is CI/CD

- Continuous Integration / Continuous Delivery (CI/CD) - new features are automatically deployed with all the required dependencies

How does it help?

Technical Benefit	Business Benefit	Value
Automate Infrastructure Creation	Less human error, Faster deployments	Avoid Cost
Catch Unit Test Failures	Less bugs in production and less time in testing	
Detect Security Vulnerabilities	Prevent embarrassing or costly security holes	
Catch Compile Errors After Merge	Less developer time on issues from new developer code	Reduce Cost
Automate Infrastructure Cleanup	Less infrastructure costs from unused resources	
Automate Infrastructure Cleanup	New value-generating features released more quickly	Increase Revenue
Deploy to Production Without Manual Checks	New value-generating features released more quickly	
Automated Smoke Tests	Reduced downtime from a deploy-related crash or major bug	Protect Revenue
Automated Rollback Triggered by Job Failure	Quick undo to return production to working state	

THANKS