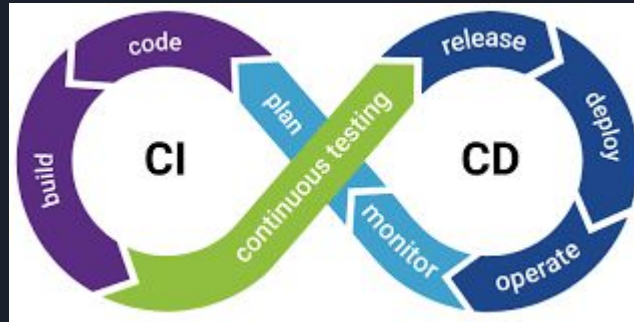# CI/CD Proposal

Definition of 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 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.

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.

Benefits of CI/CD

Technical Terms	Effect and Value	Translation
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