CONTINUOUS INTEGRATION CONTINUOUS DEPLOYMENT (CICD)

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OVERVIEW

<u>Continuous Integration</u>

Continuous integration is a practice where code is automatically merged into a central repository from multiple contributors creating a more streamlined and automated workflow.

<u>Continuous Deployments</u>

Continuous deployment is a strategy when a repository has changes applied to it, the code is released into the production environment.

BENEFITS OF CICD

❖ Automation – CICD uses automation which in turn eliminates human errors which results in a reduction in costs

❖ Frees up Devs – With certain elements being automated, the developers have more time developing code rather manually deploying which will result in more productivity in the team

❖ Roll Back Job Alerts – Rollback jobs are automatically triggered when a job has failed which cleans up the infrastructure and makes sures resources are not wasted reducing costs.

❖ Error Messages – Errors are discovered more easily using tests which helps bring the developers attention to the errors reducing downtime which will result in an increase in revenue.