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# Why CI/CD?

A presentation by Shiva Shamsi

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# Automatic Deployment

As soon as a change can pass the pipeline, it can automatically deploy on production servers to make it ready for customers. It makes our customers happy.

# Less Bug on Production

When a new feature or fix is pushed, it will be automatically tested based on a pipeline, and if it can pass tests and security checks, it means it's ready for deployment and release.

# Test On Different Environments

Changes can be tested on different platforms, different configurations, and different dependencies to ensure it works in all scenarios.

# Automatic Resource and Infra

Based on the production or release environment in each pipeline, we can define a certain amount of resources that we expect our changes to work on.

So, no need to involve any manual resource creation or cleanup; on the other hand, the system only uses a fixed amount of resources. Therefore, it helps us decrease the usage of resources and money during the time.

# Rollback on Failures

When an automatic deployment has failed on a production server due to any condition, it can be rollback to the previous version. So, no impact on customer experience.

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CI/CD helps us never forget a  
checklist of tests and  
deployments, **so happy  
employees and happy customers!**