CI/CD why we should use

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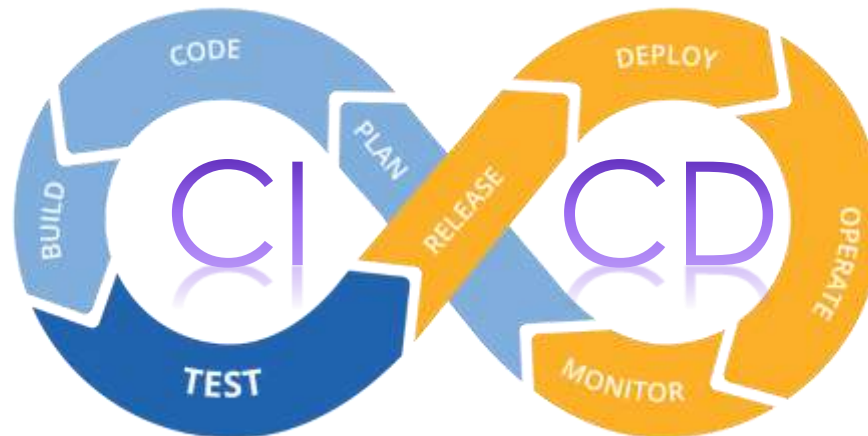
What is CI/CD

Continuous Integration (CI)

▶ The practice or merging all developer's working copies to a shared mainline several time a day

Continuous Deployment (CD)

▶ A software engineering approach in which the value is delivered frequently through automated deployments

The Benefits of CI/CD

Faster time to market

▶ Your productivity and speed increase if you have an automated system. In the same way, CI/CD pipelines enable organizations to deliver software updates and feature more quickly, allowing them to respond to customer needs and market demands faster.

Higher Quality

▶ By catching and fixing issues early in the development process, organizations can ensure that the software they deliver is of high quality and meets the needs of their customers.

The Benefits of CI/CD

Greater Efficiency

▶ By automating the building, testing, and Deployment of software, organizations can reduce the time and resources needed to deliver software updates and features.

Lower Costs

▶ By catching and fixing issues early in the development process, organizations can reduce the costs associated with fixing issues later in the development cycle.

CI/CD pipelines real-life example

▶ Netflix and Facebook are the prime examples that have successfully implemented CI/CD pipelines to deliver software updates and features quickly and with high quality. Netflix uses a custom-built platform called Spinnaker to manage its CI/CD pipelines.