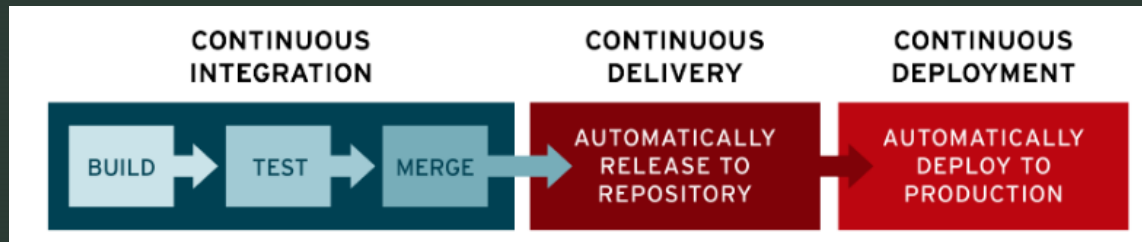Quang Ngo

CI/CI benefits proposal

- What is CI/CD?

- Benefits of CI/CD.

- What are the challengers we will be confronted with?

What is CI/CD?

CI/CD is a method to frequently deliver apps to customers by introducing automation into the stages of app development, There are three main points:

- Continuous Integration (CI)

  - The practice of merging all developers' working copies to a shared mainline several times a day.

- Continuous Delivery (CD)

  - An engineering practice in which teams produce and release value in short cycles.

- Continuous Deployment (CD)

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

Benefits of CI/CD.

- Reduce Cost
  - Save time for developer in finding and resolve issue that related to source code
  - Detect issue soon ad rollback immediately. This will be reduce risk

- Increase Revenue
  - Faster and More Frequent Production Deployments
  - Deploy to Production Without Manual Checka

- Avoid Cost
  - Less bugs in production and less time in testing
  - Prevent embarrassing or costly security holes
  - Less human error, Faster deployments

What are the challengers we will be confronted with?

- Establishing CI/CD comes with a high amount of initial cost and learning. At first sight this might seem overwhelming compared to current best practices

- ‣ Delivering CI/CD pipelines is not a one time effort, but requires constant support and maintenance as well as continuous development and improvement

Thank you