Benefice of CICD

Olivier Loukombo • 02/04/2022

Overview

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Continuous Integration

The practice of merging all developers' working copies to a shared mainline several times a day. It's the process of "Making". Everything related to the code fits here, and it all culminates in the ultimate goal of CI: a high quality, deployable artifact!
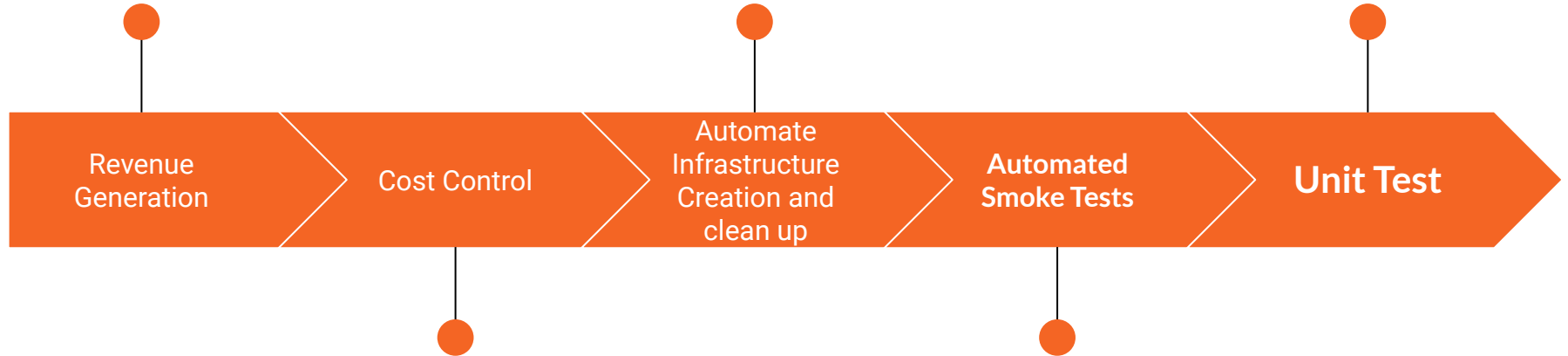
Overview

Continuous Development

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

Benefits of CICD

Save money

Eliminating human errors and avoid unnecessary cost of unused or invalid infrastructure

Unit tests are not neglected with CICD which will increase code quality and catch errors early before production which would decrease cos

Revenue Generation

Cost Control

Automate Infrastructure Creation and clean up

Automated Smoke Tests

Unit Test

Automate smoke test after deployment and automatic rollback in case of failure which will decrease downtime and reduce cost

Automate the process of rolling back and cleaning any infrastructure left which would help in reducing cost and lower down time

Automated Rollback Triggered by Job Failure

Faster to production

Risk Reduction

Catch Compile Errors After Merge