

CI/CD THE POWER OF AUTONATION

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- What is CI/CD?
- Why is CI/CD important ?
- What are our pain points without CI/CD?
- CI/CD process
- What are the CI/CD business benefits?

WHAT IS CI/CD?

- CICD consist of 3 major concepts:
- **Continuous Integration CI:** i is the process of automatically building and testing code every time a team member commits code changes to <u>version</u> control.
- Continuous Delivery CD: is the discipline of being able to reliably release application changes (code) at any time. Beyond making sure your application passes automated tests which have all the configuration necessary to push it into production.
- **Continuous Deployment CD:** is a strategy in software development where code changes to an application are released automatically into the production environment. This automation is driven by a series of predefined tests.



WHY CI/CD IS IMPORTANT?

- Faster time to market
- Shorter review time
- Better code quality
- Smoother path to production
- Quick rollback if required



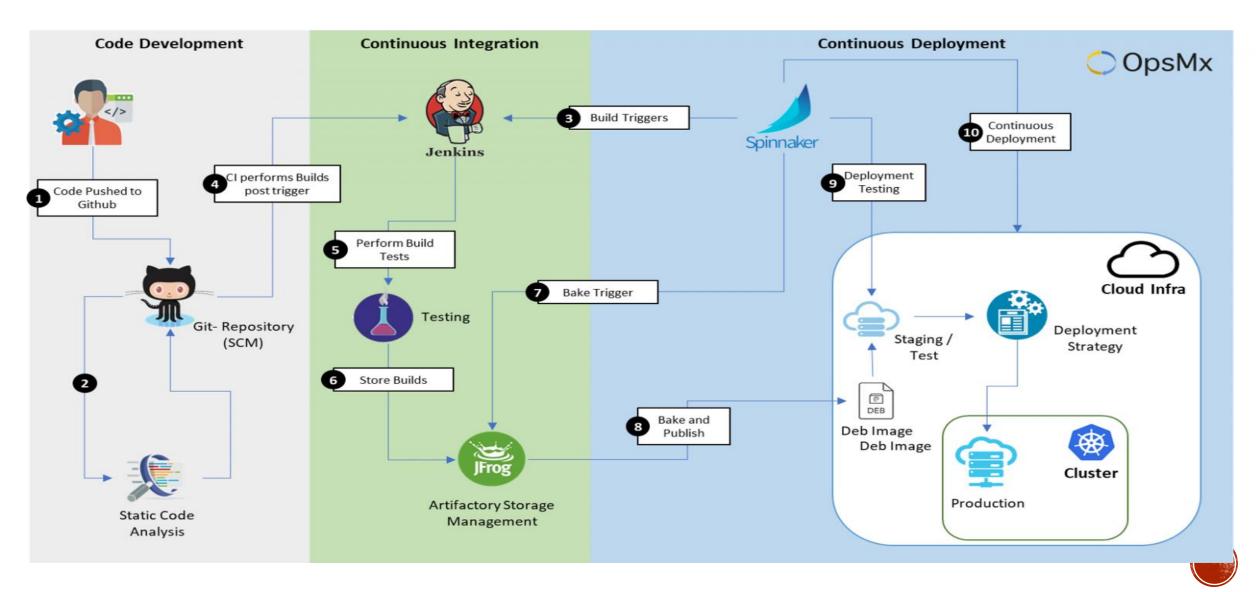
Our manual release process is error-prone and always leads to delays of production deployments

No smoke test or rollback mechanism.

There is no time for quality analysis.

Deployments are pretty complex. Only a chosen few experts are able to understand the whole process and tons of hand crafted helper scripts.

CI/CD PROCESS



WHAT ARE THE CI/CD BUSINESS BENEFITS?

Allows Developers
to Deliver
Products
Consumers Want
Now

supports customer outcomes from a technical standpoint.

CI/CD enables organizations to respond to consumer needs as they evolve.

Cost reduction due to less human errors and faster deployments

Reduce complexity and safe manual troubleshooting time

plays a crucial role in shortening time to value.

