CI/CD
A better way to build and ship products to market

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What is Continuous Integration (CI)

CI is a practice of merging all developers' working copies to a central repository several times a day

This phase or practice mainly focuses on activities to do with code.

Some of the phases in CI

- Build
- Unit Test
- Scan for Vulnerability
- Store artifact

What is Continuous Deployment (CD)

CD is a software engineering approach in which the value(feature) is delivered frequently through automated deployments.

This step involves tasks to do with deploying the artifact or code for use by the end users or Testers.

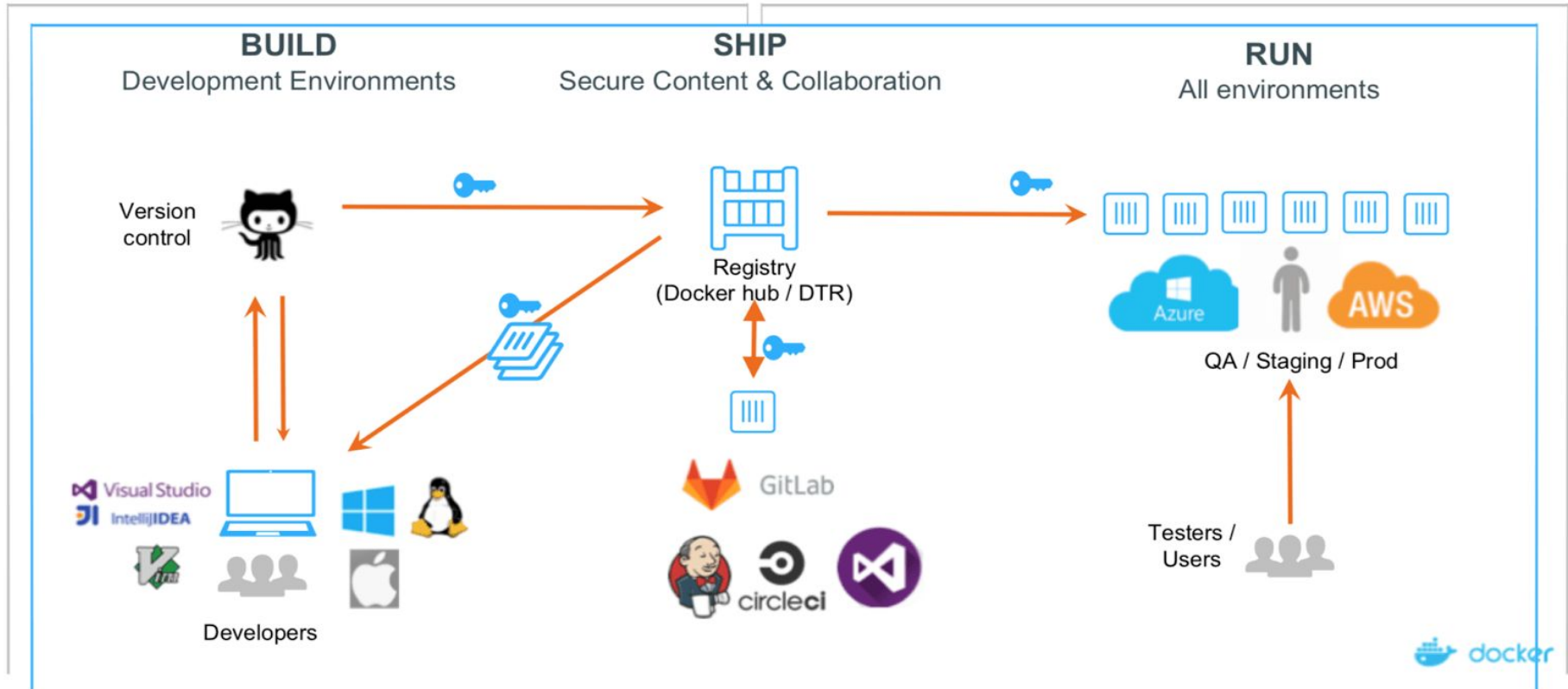The main go is to have everything done without human interactions.

Some of the phases in the CD are:-

- Provisioning & Configuring infrastructure.
- Promoting to production.
- Smoke Testing.
- Rollbacks in case if any failure.

Continuous Integration & Delivery Workflow

Benefits of CI/CD approach

- Faster and More Frequent Production Deployments:

    Since deployments are without human interactions, this would help to increase revenue by releasing new value-generating features more quickly

 - Detect Security Vulnerabilities:

    It's tedious to always manual run security check automating helps to avoid cost by preventing embarrassing or costly security holes.

- Deploy to Production Without Manual Checks:

    This would help to increase revenue by making features take less time to market.

THANK YOU.