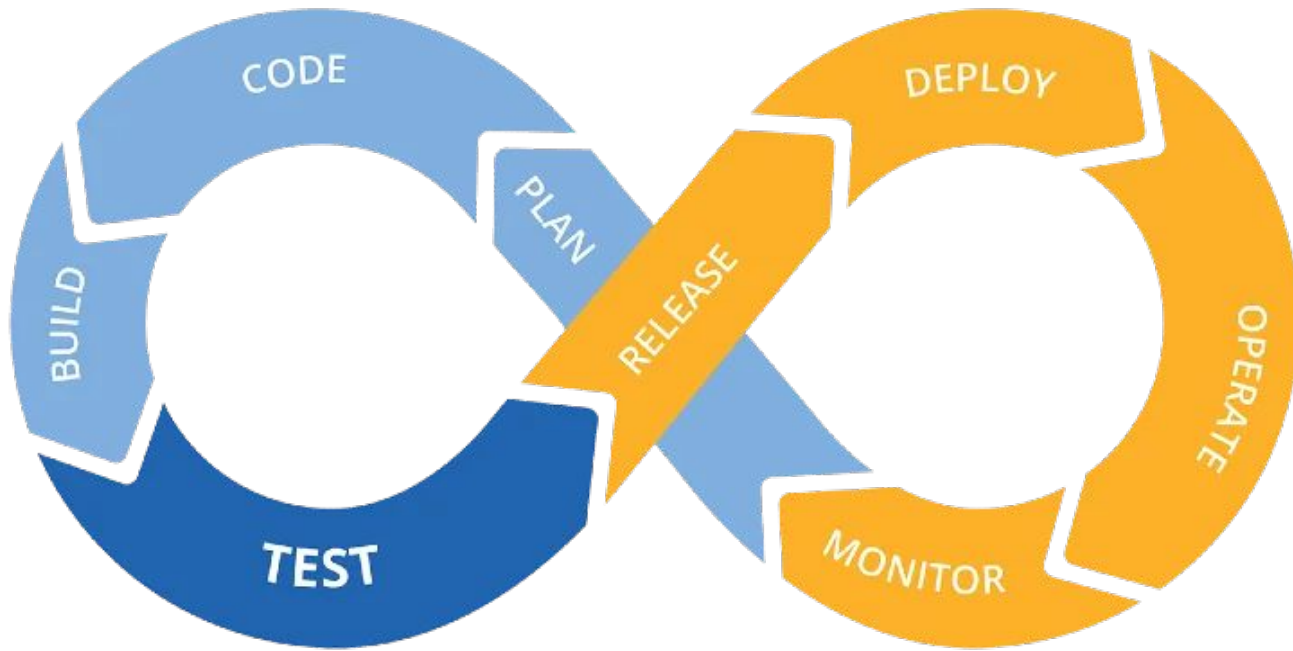# DevOps

In the Enterprise

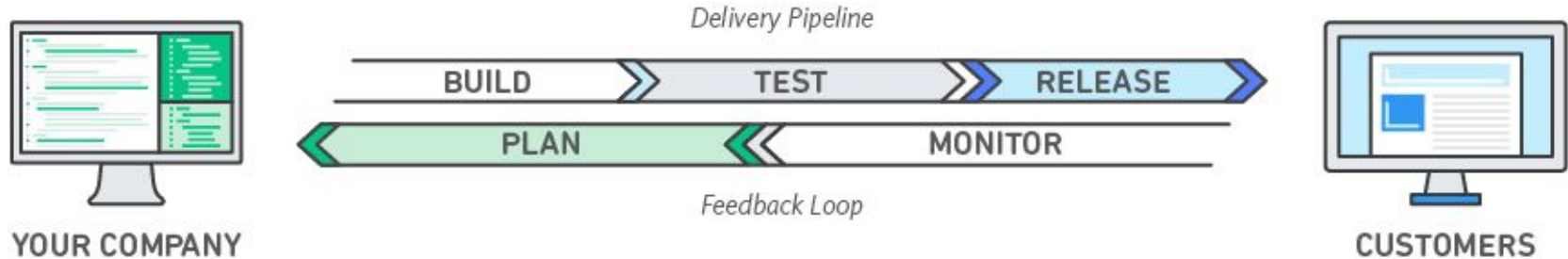# Class 1 - Summary

- To know a little bit from you.
    - Where are you from?
    - Your background {student or professional}.
    - Your favorite area (Frontend, backend, DevOps, Testing etc..) and why
    - Your hobby
- Quick overview on DevOps
- Assignment

What do you think DevOps is ?

DevOps Infinity

DevOps is the combination of best practices and tools that increases an organization's ability to deliver applications and services at high velocity

Delivery Pipeline

BUILD >> TEST >> RELEASE >

< PLAN << MONITOR

Feedback Loop

YOUR COMPANY

CUSTOMERS

How DevOps works

- There are different DevOps model with DevOps, one being the dev and Operations teams are no longer works separately

- Sometimes the security team tightly integrates with dev and ops teams to focus more on the application security from the beginning of the app lifecycle. Such a model is called "DevSecOps"

Benefits of DevOps

- **Speed** - Adopting to customer needs

- **Rapid Delivery** - Releasing the products very often w/ feature improvements

- **Reliability** - Continuous testing and monitoring

- **Scale** - Automation and consistency helps complex and changing systems

- **Improved Collaboration** - Dev and Ops always in sync

- **Security** - Implementing policy as code etc...

Homework

- Virtualization
    - Install VirtualBox in your machine.
    - Install Vagrant in your machine.
    - Stand Up a Fedora 35 VM Server.
    - Stand Up an Ubuntu 20.04.x Server LTS VM.
- Concepts
    - Investigate: What is Software Architecture and how it is related to Enterprise Architecture.