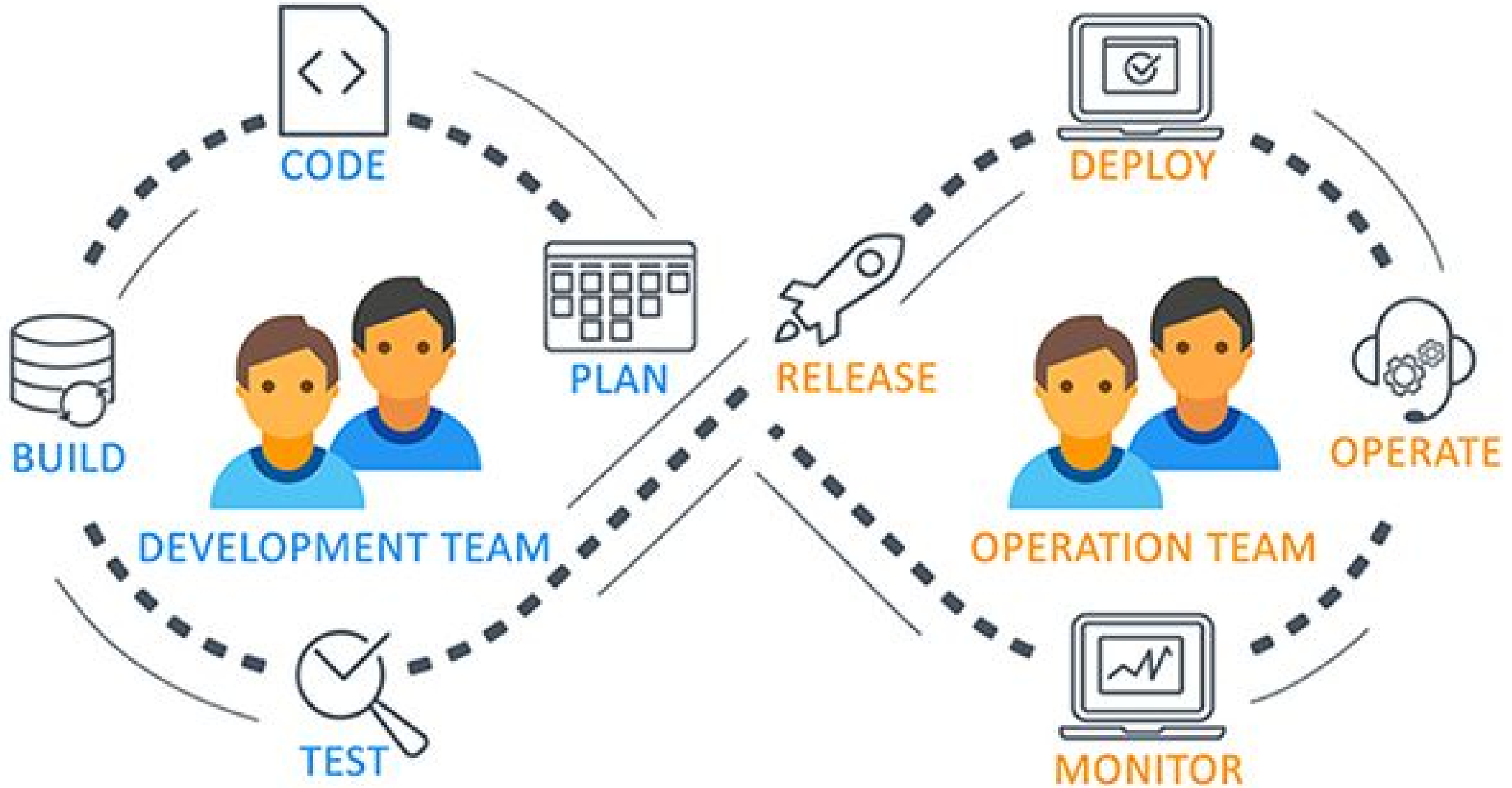
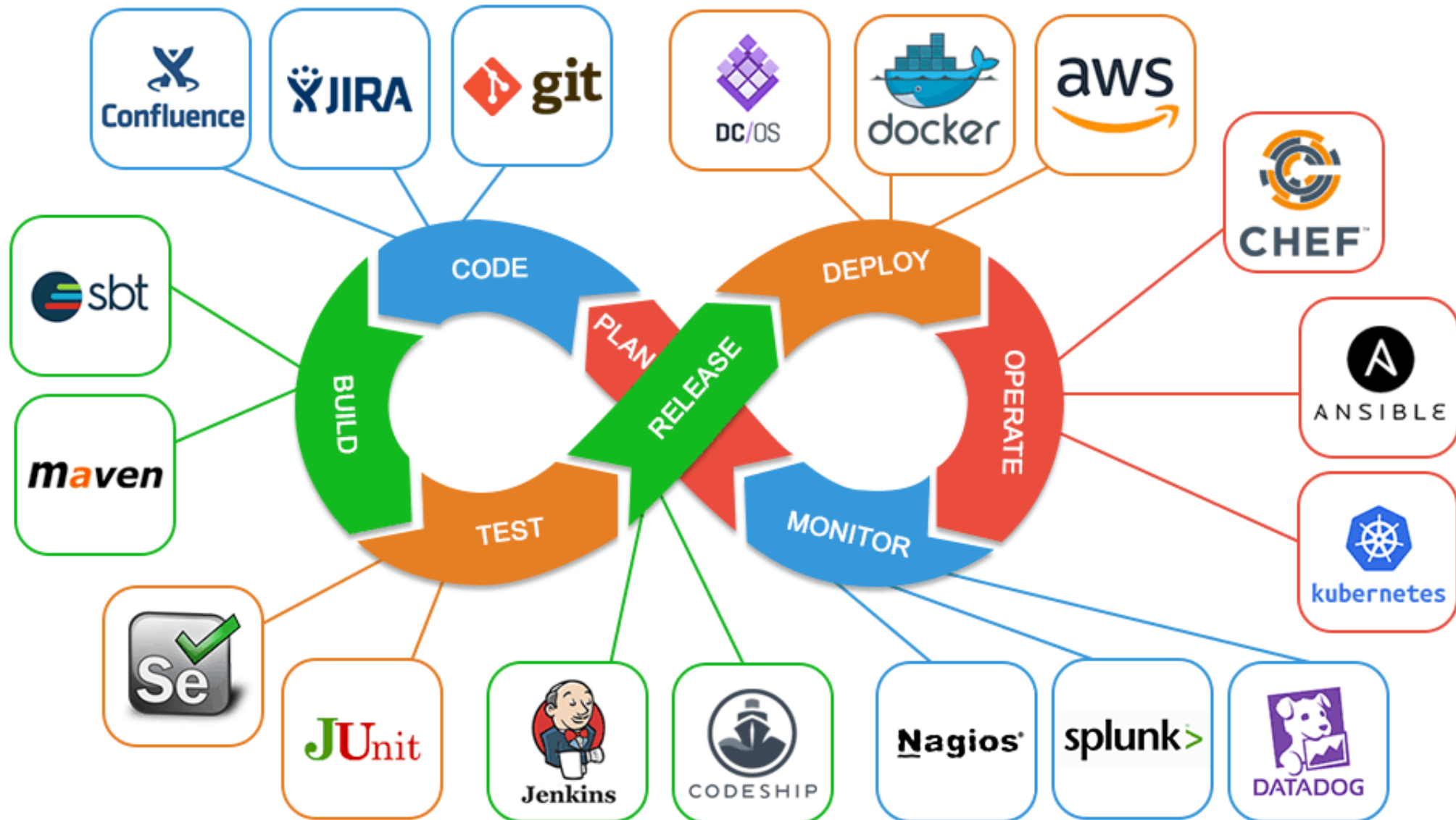


# DevOps Big Picture

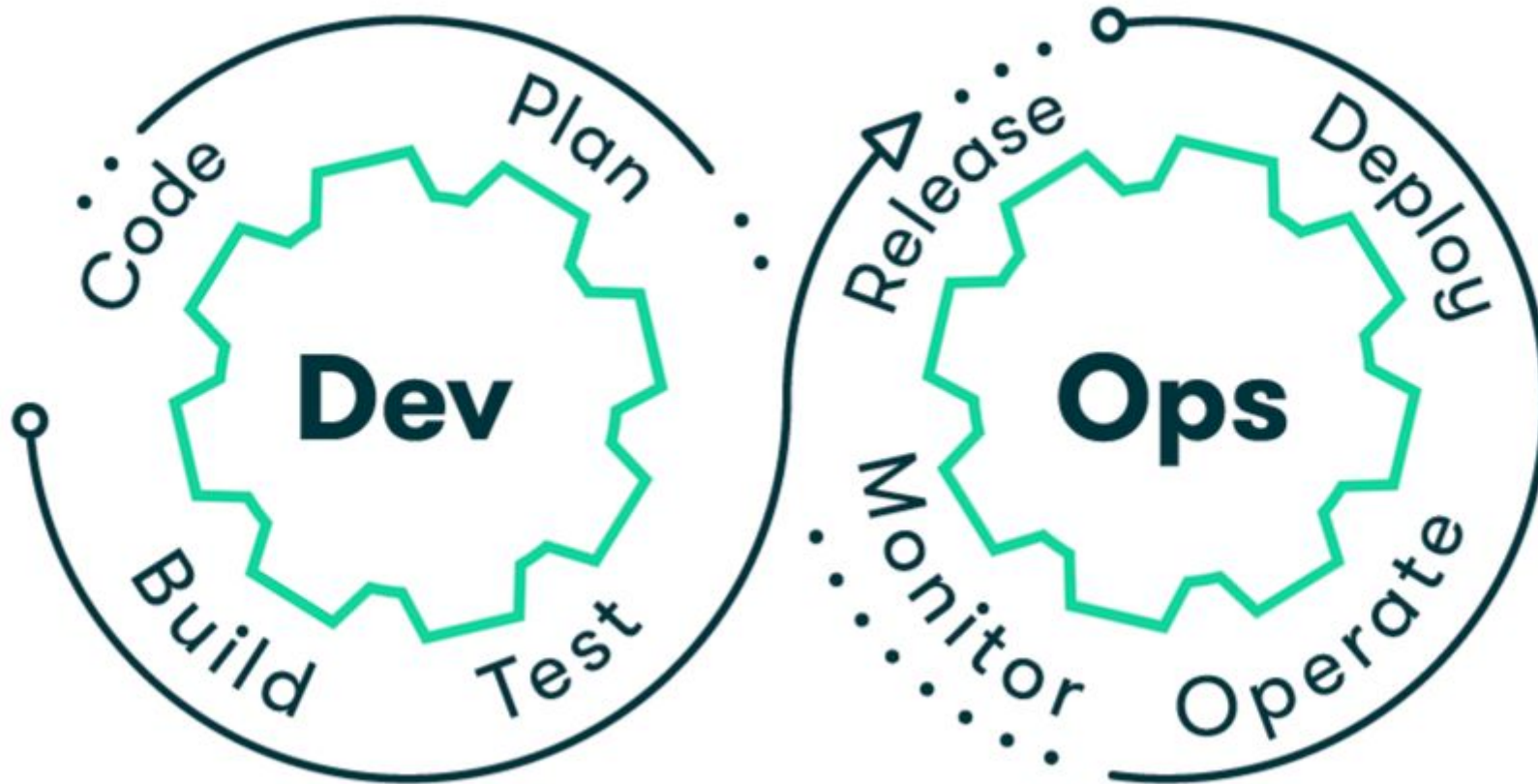
# What and why of DevOps?



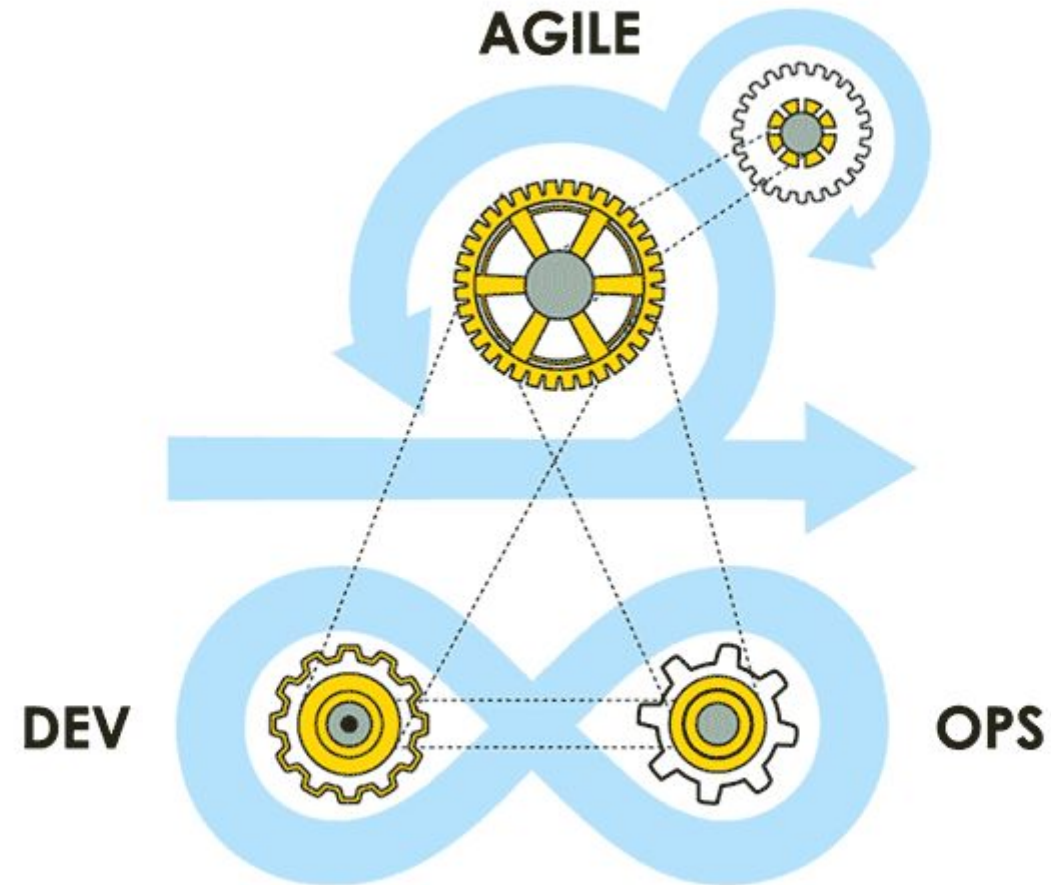
# What and why of DevOps?



# What and why of DevOps?



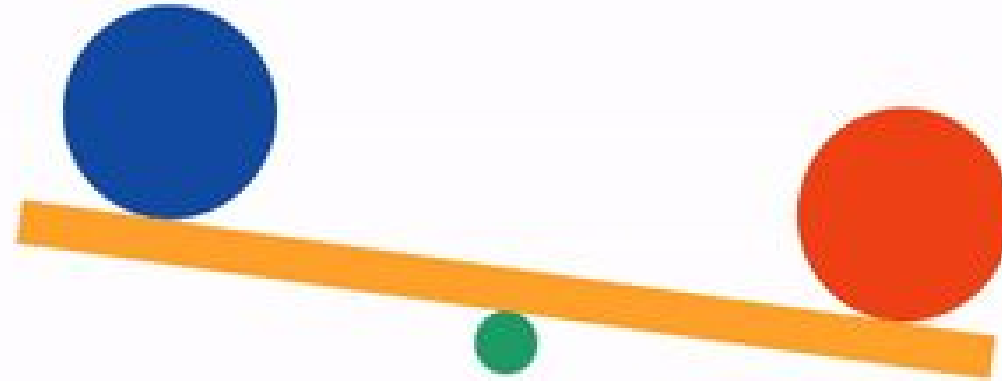
# What and why of DevOps?



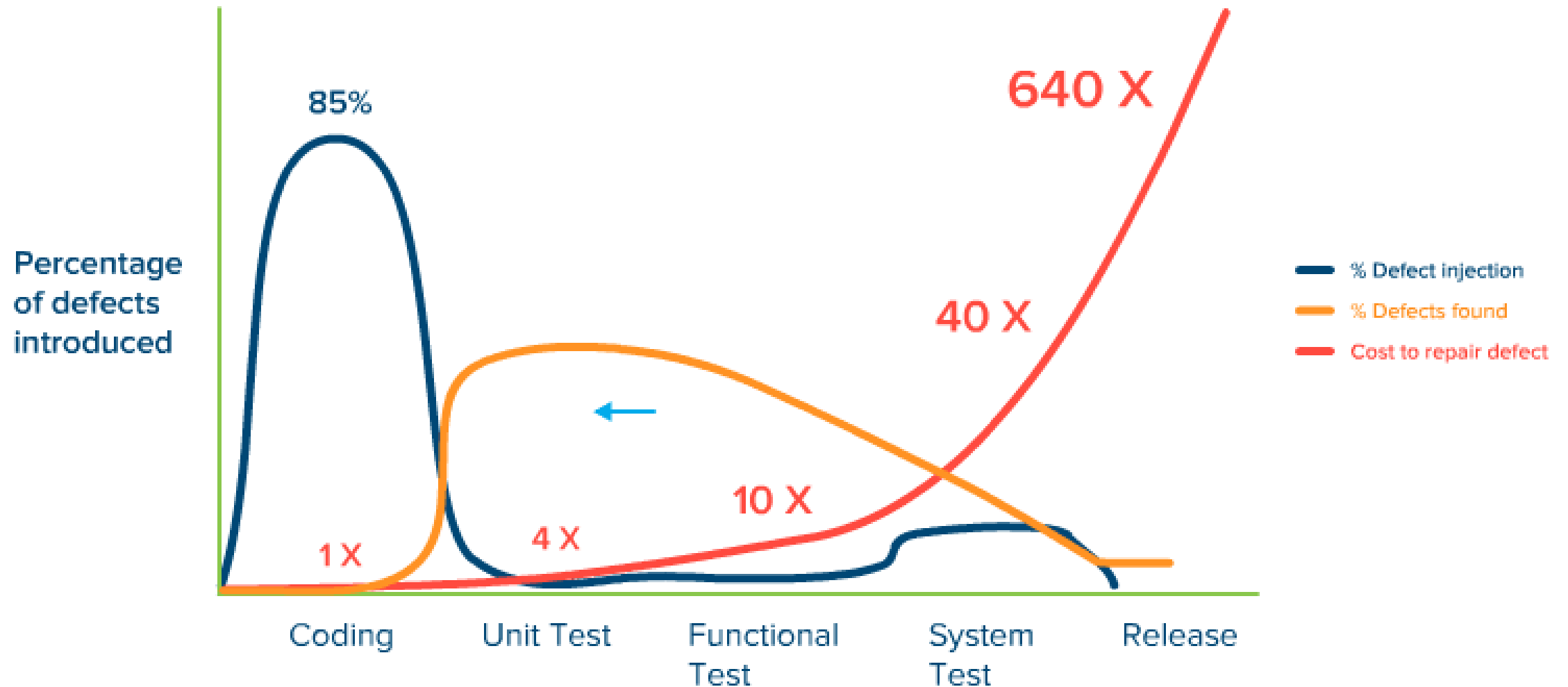
# What and why of DevOps?

**Development**

**Operations**



# Early Defects vs Delayed Defects detection



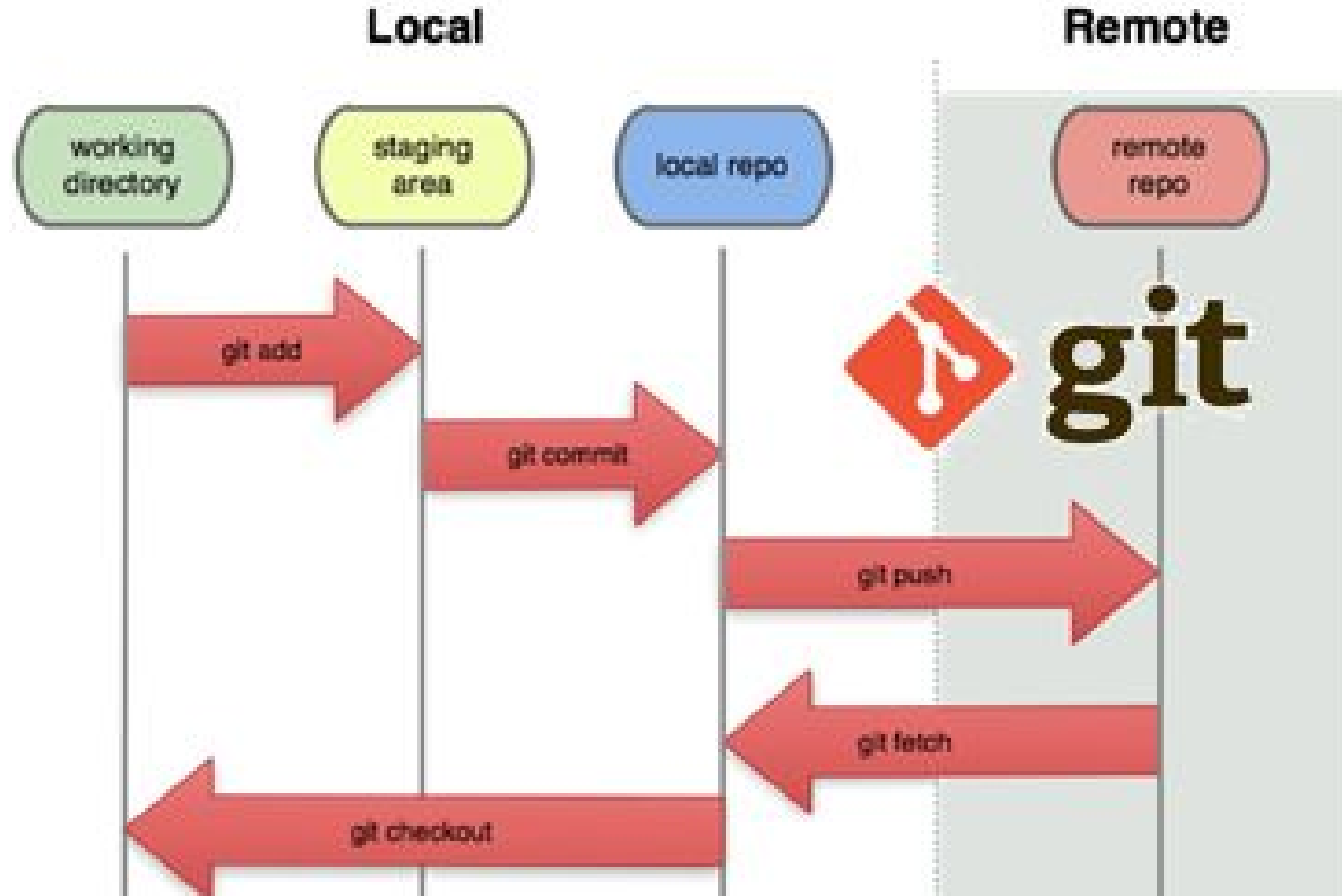
Jones, Capers. *Applied Software Measurement: Global Analysis of Productivity and Quality*.

# DevOps Tools – Overview and Use case



# Source control

- To ensures for working on the right version
- Important for maintaining a single source of truth

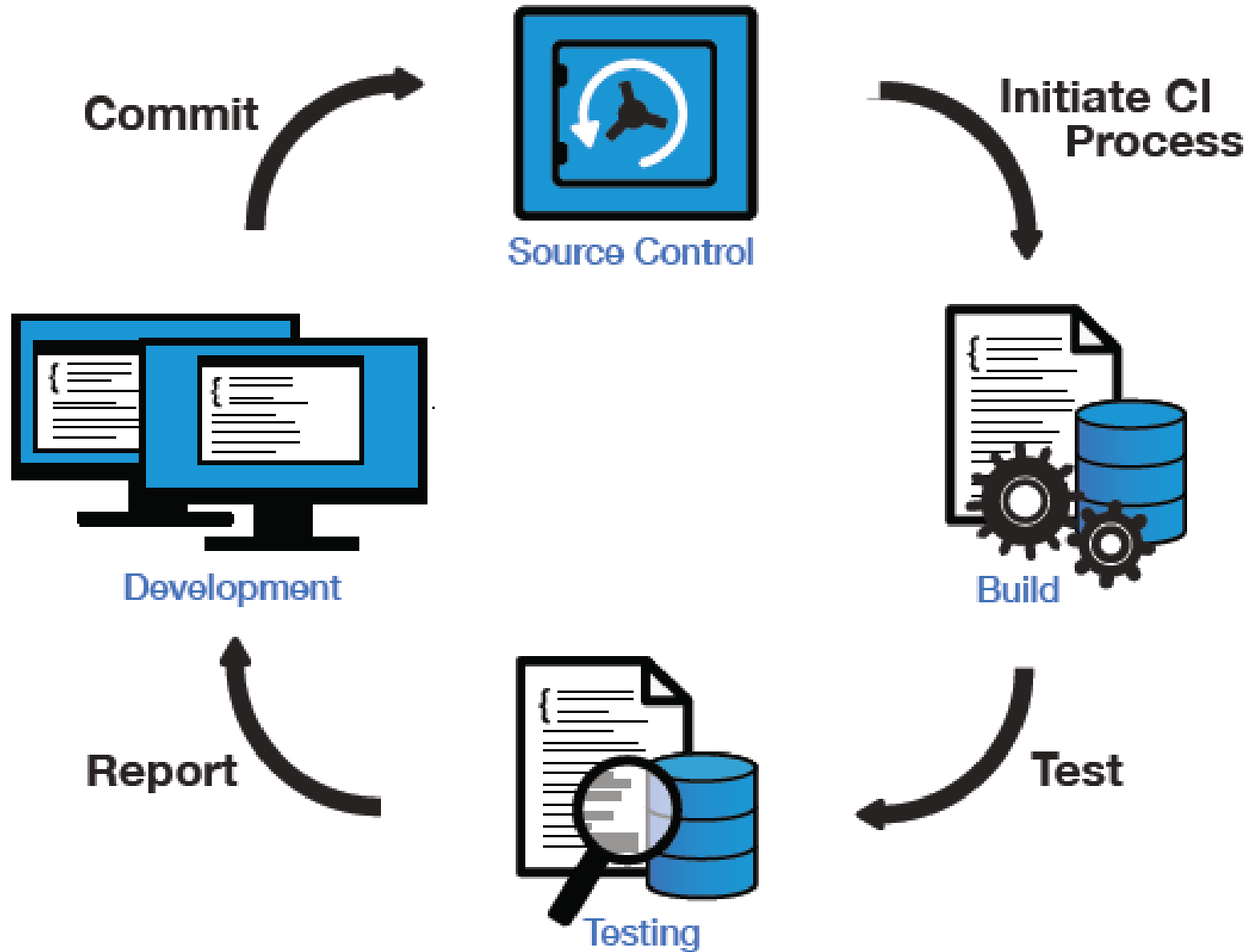


# Source Control Management (SCM Tools)

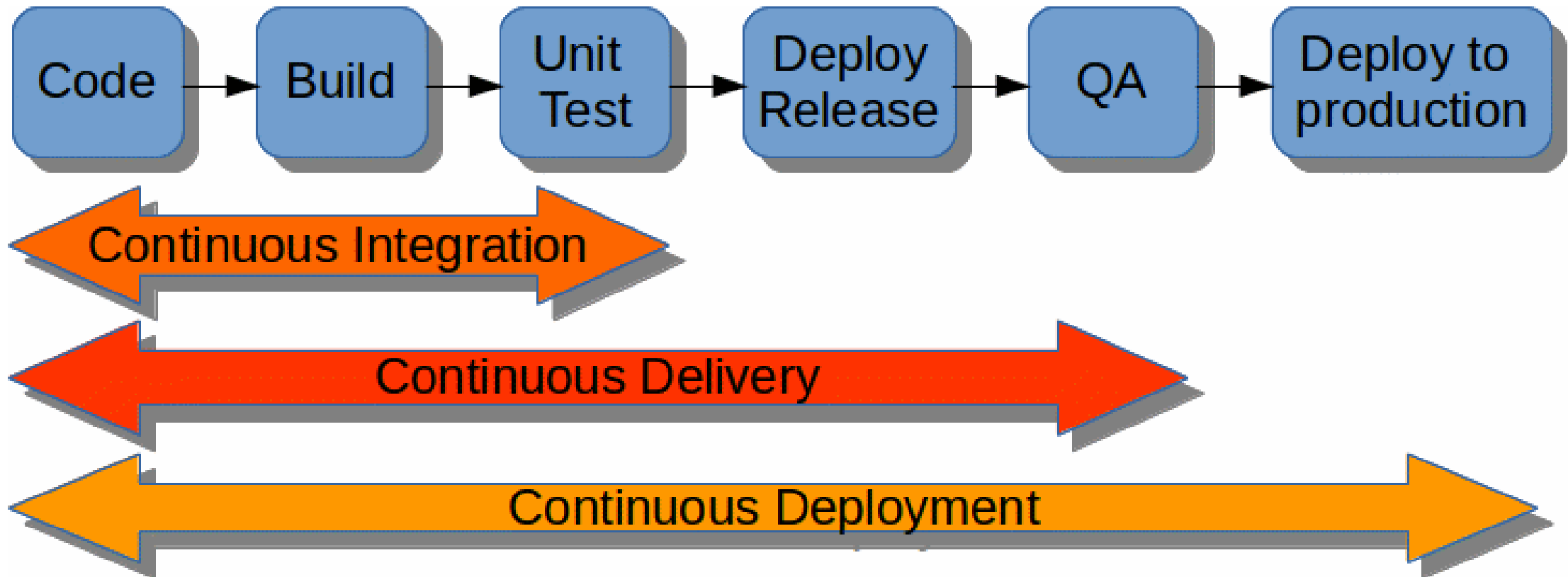
- Help to keep track of code
- Complete history of changes.

			
Git	Mercurial	AccuRev	Rational Team Concert
			
Sonatype Nexus Repository	Kallithea	Perforce	Deveo

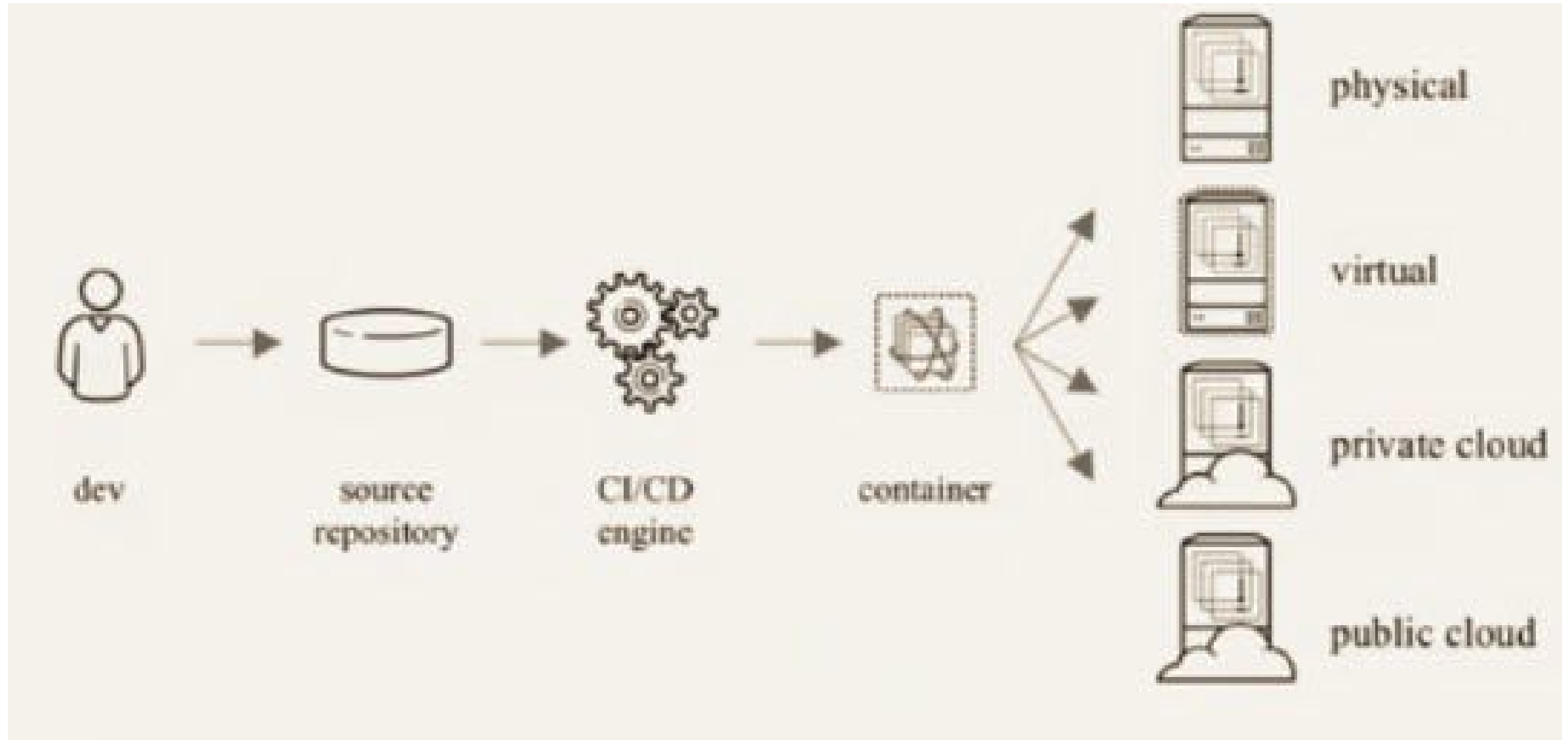
# Continuous Integration



# Continuous Delivery and Deployment



# Containerization



# Configuration Management

- A process for maintaining
  - Computer systems
  - Servers, and
  - Software in a desired, consistent state

# Benefits of Configuration Management for Servers

Quick Provisioning of New Servers

Quick Recovery from Critical Events

Version Control for the Server Environment

Replicated Environments

# Configuration Management Tools



**Terraform**

**'SALTSTACK**



**puppet**



**git**



**CHEF**



ANSIBLE



**docker**



Thanks