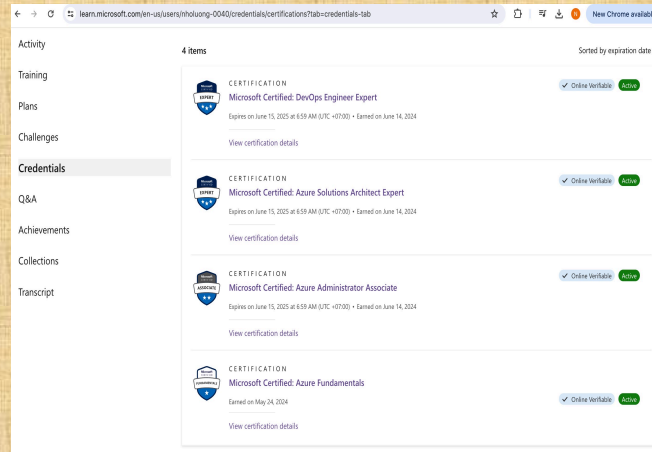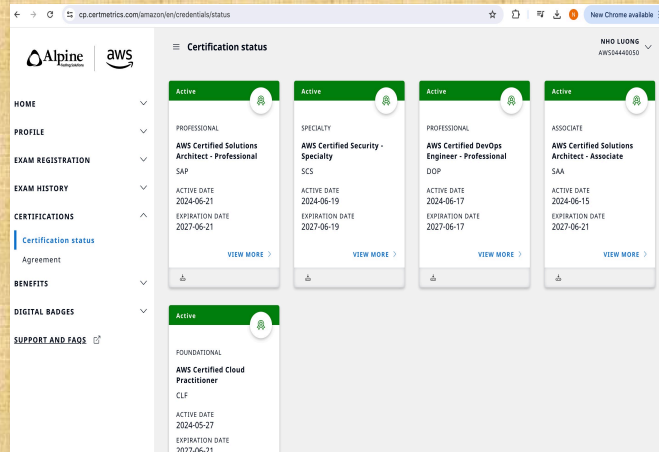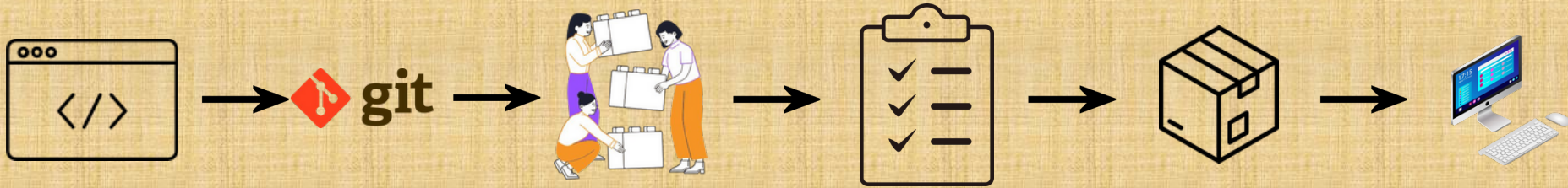# DevOps Overview

Author: Nho Luong

Skill: DevOps Engineer Lead

Automation

- Process of using tools and technologies to perform tasks automatically, without manual intervention

Author: Nho Luong
Skill: DevOps Engineer Lead

CI/CD process

· Jenkins plays a crucial role in DevOps by automating continuous integration and continuous delivery (CI/CD) processes

01

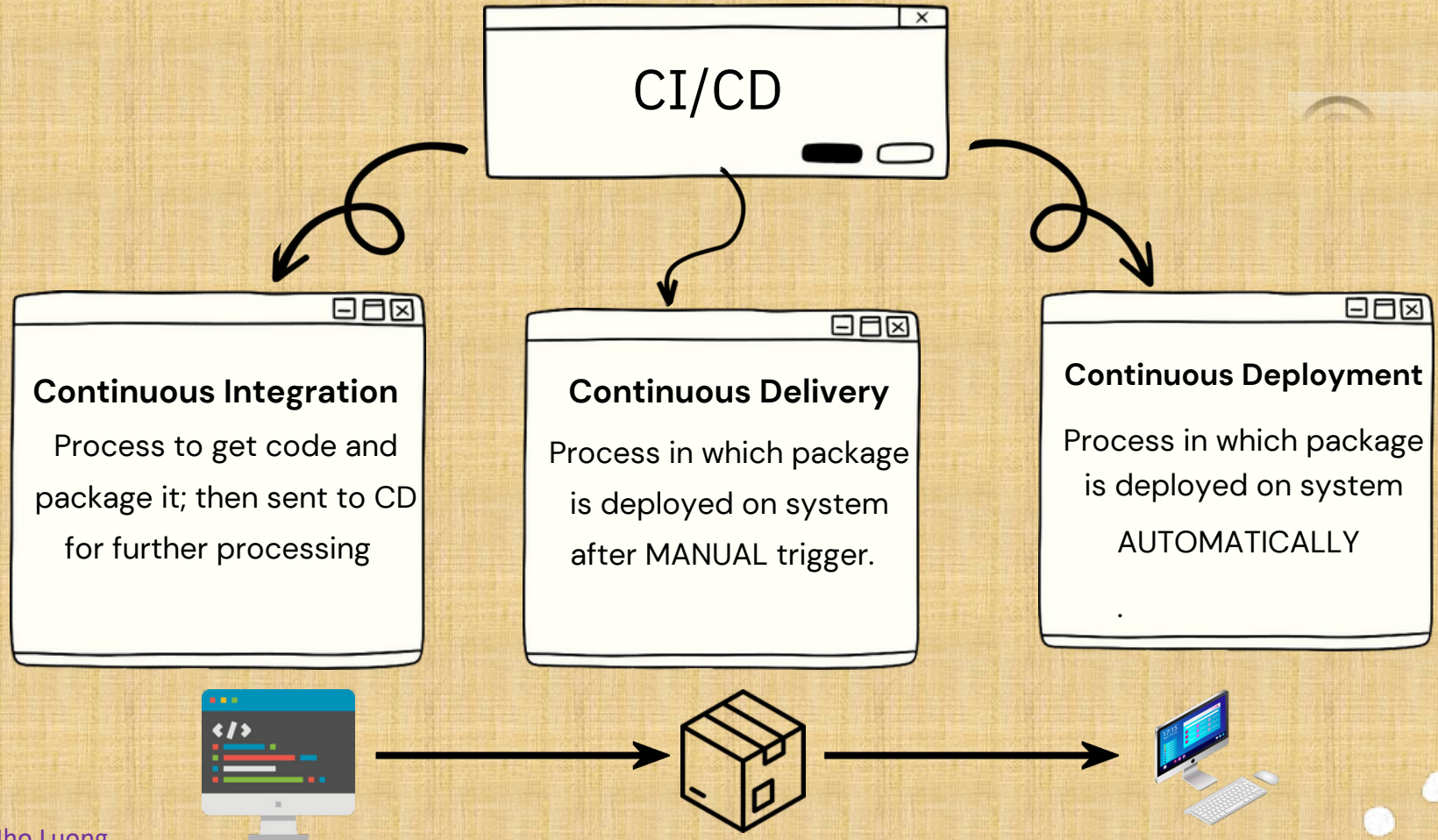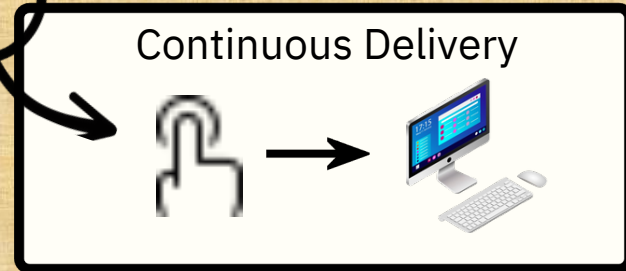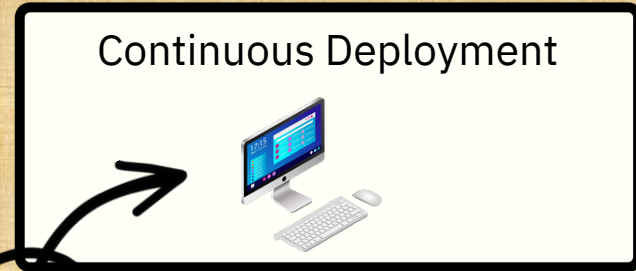Fetch Code

02

Build/Execute Code

03

Test + Build Artifacts

04

Deployments

05

Many more...

Author: Nho Luong
Skill: DevOps Engineer Lead

CI/CD

Continuous Integration

Process to get code and package it; then sent to CD for further processing

Continuous Delivery

Process in which package is deployed on system after MANUAL trigger.

Continuous Deployment

Process in which package is deployed on system AUTOMATICALLY

.

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Continuous Deployment

Continuous Integration

Continuous Delivery

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Skill: DevOps Engineer Lead

Tools

Author: Nho Luong
Skill: DevOps Engineer Lead
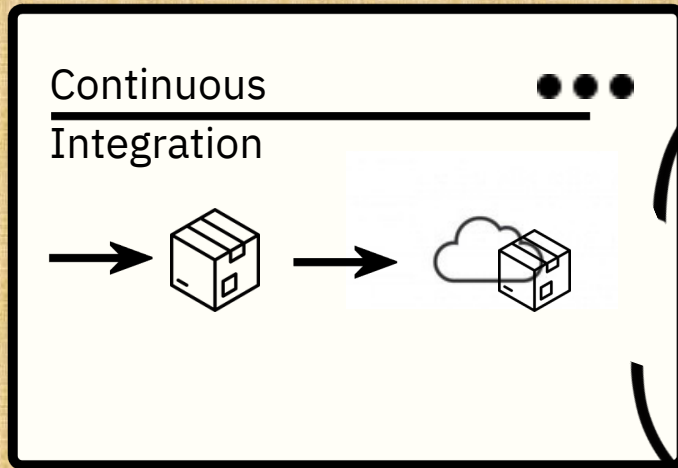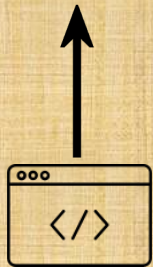
Why DevOps ?

Accelerated software delivery

Increased collaboration

Enhanced quality

Improved reliability

Scalability and flexibility

Market In demand Skill

Author: Nho Luong
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What does a DevOps Engineer do?
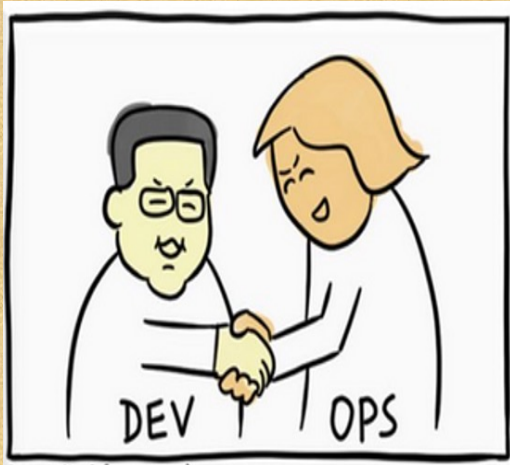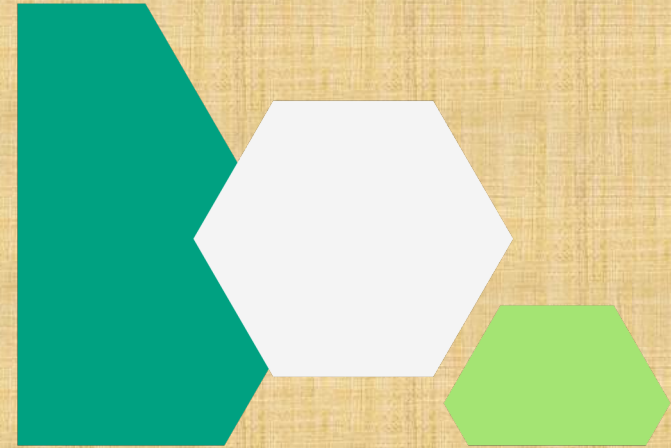

Collaboration between development and operations

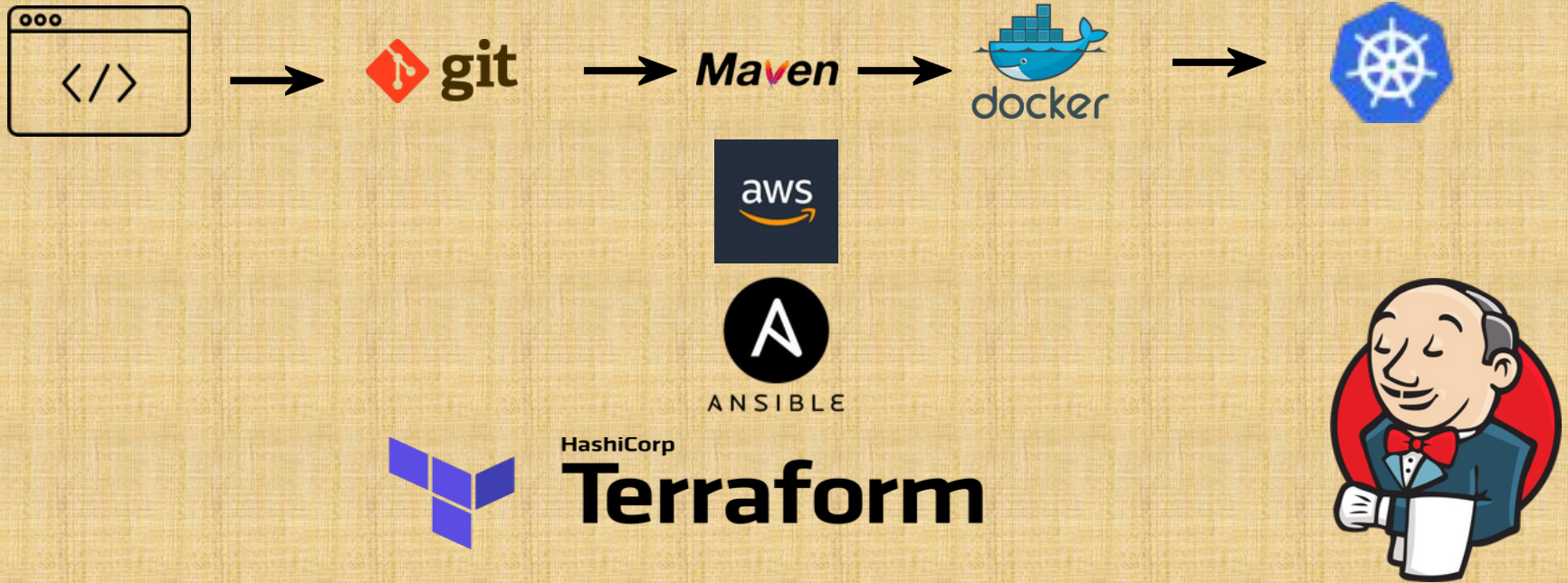Continuous integration and delivery

Application availability

Infrastructure management

Product Deployment

Maintenance and Troubleshooting

Author: Nho Luong
Skill: DevOps Engineer Lead

Architecture

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Thank You

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