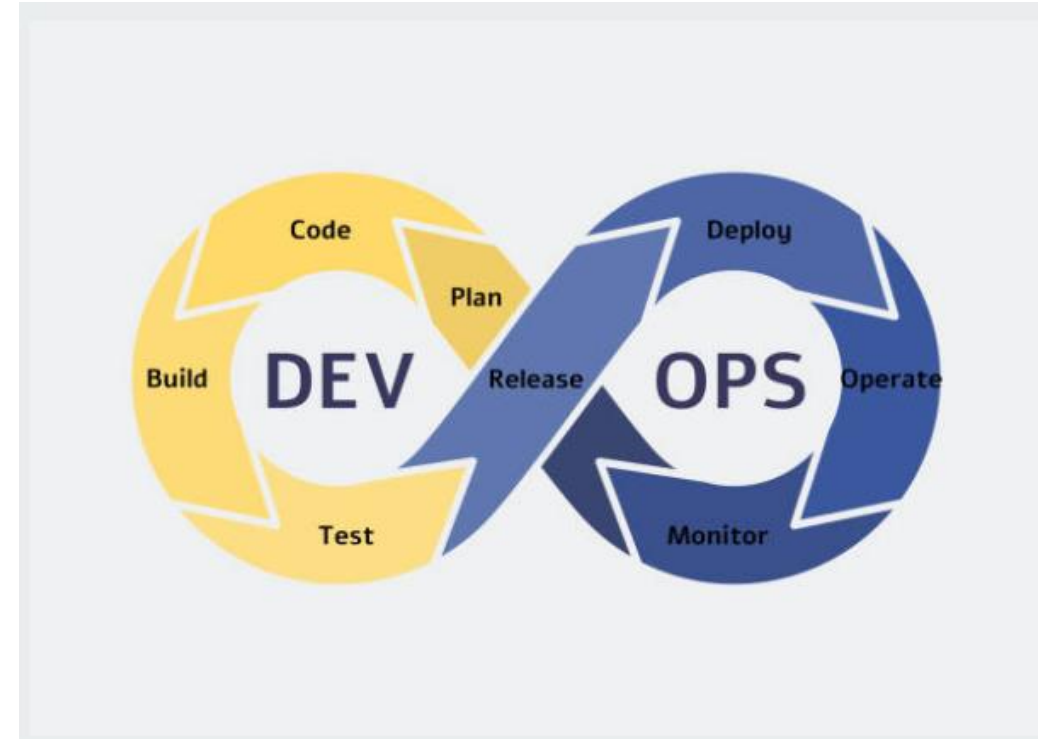# INTRODUCING DEVOPS FOR UDAPEOPLE

Introduction

DevOps is a software development approach that combines development (Dev) and operations (Ops) teams to streamline the software delivery process. It emphasizes collaboration, communication, and integration between these traditionally separate teams to improve efficiency and quality throughout the software development lifecycle.
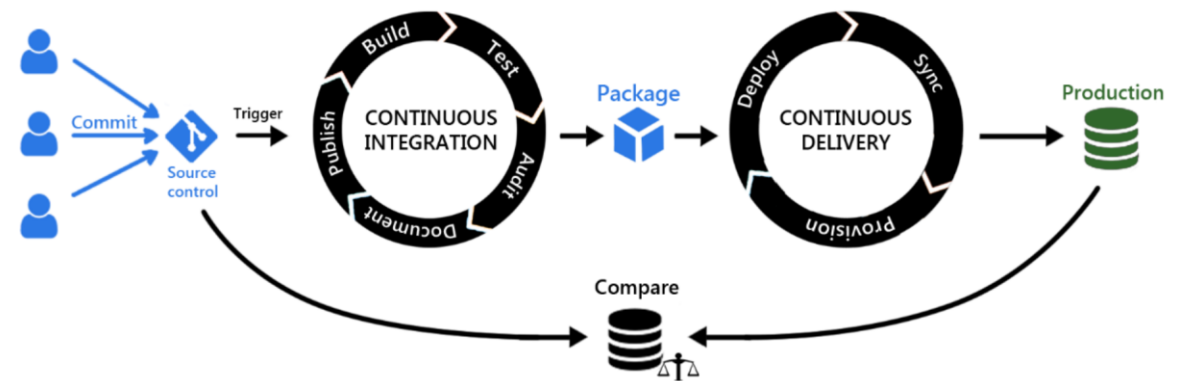
CI/CD: Streamlining Development and Deployment

Process

- Continuous Integration (CI): Frequent integration of code changes into a shared repository to detect issues early.

- Continuous Deployment (CD): Automated deployment of code to production environments after passing the necessary tests.

Benefit

- Faster time-to-market

- Early issue detection
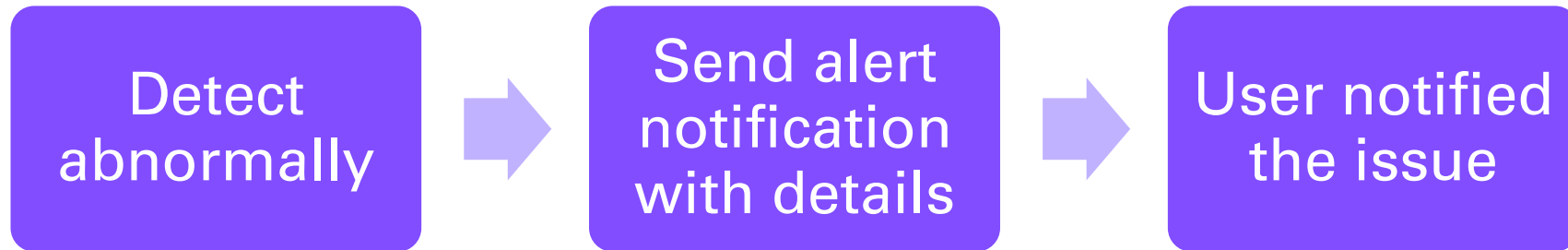
- Increased development velocity

Automated Alerting: Proactive System Monitoring

Importance of monitoring

- Ensures proactive detection of performance issues, errors, and anomalies.

- Enables prompt resolution of critical incidents, reducing downtime and user/revenue impact.

Benefits of automated alerting

- Real-time visibility

- Increased reliability

- Efficient troubleshooting

Detect abnormally → Send alert notification with details → User notified the issue

PRESENTATION TITLE

THANK YOU