

CI/CD – A better way



Our Understanding

As UdaPeople's revolutionary human resource product continues its journey to the cloud for innovation and agility, the client is looking for support to rationalize their portfolio of applications in order to help determine the feasibility, total cost of ownership and cost of migrating to AWS.

Since the client wants to leverage industry best practices to design and implement the foundation and operating model, CI/CD is the best way to accelerate this transformation and service delivery. The process of Continuous Integration and Continuous Delivery is best suited for this production since it fulfills the customer demands with minimal overhead in terms of number of errors or time to market.

Continuous Integration

The practice of merging all developers' working copies to a shared mainline several times to *avoid conflicts* in the code. It's an important step to ensure that the code we have is a *high quality, deployable artifact*.

Some of the steps in this stage include: compiling, testing, running static analysis, checking for vulnerabilities in dependencies and storing code artifacts

Continuous Deployment

This is the process by which *verified changes* are *deployed into production* when they're ready and without human input.

The steps in the stage include: setting up infrastructure, provisioning servers, smoke testing, promoting to production, rolling back etc .

Benefits of CI/CD to UdaPeople

slalom



Better Performance

**Faster and More
Frequent Production
Deployment**



Cost Reduction

**Automated
smoke tests**



Revenue Increase

**Detect Security
Vulnerabilities**

“If it hurts, do it more frequently,
and bring the pain forward.”

| **Jez Humble**

Questions

Thank You



Thank you

