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Getting Started with DevOps: CI/CD with Build and Deployment 200

EDUCATION COURSE DESCRIPTION

Course Overview

Many of our customers have developed/adopted a DevOps framework for their distributed environment and have already achieved a high degree of maturity. However, many are struggling or haven't started to integrate this environment with their mainframe to achieve the desired state of maturity end to end.

Modern mainframe DevOps is a journey which involves a phased approach to maturity and agility. The greater the maturity and agility the faster services are delivered and at a higher quality, lower cost and lower risk.

This course will introduce you to the concepts and implementation of the CI/CD process as part of your Mainframe DevOps journey.

This Course Will Show You How To:

- Define CI/CD

- Define Continuous Integration

- Define Continuous Testing

- Define Continuous Delivery/Deployment

- Identify the benefits of CI/CD

- Identify a typical CI/CD pipeline on the Mainframe

- Identify a typical hybrid CI/CD pipeline

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Course Agenda

Module 1: Introduction to CI/CD

- Define CI/CD
- Identify potential benefits and roadblocks to using CI/CD
- Identify other open-source DevOps platforms
- Articulate how Agile, DevOps, and CI/CD differ

Module 2: Introduction to CI

- Define CI
- Review a sample CI workflow

Module 3: Introduction to CD

- Define CD
- Review a sample CD workflow

Module 4: Implement a CI/CD Pipeline with the Mainframe

- Identify a typical CI/CD pipeline on the Mainframe

Module 5: Implement a Hybrid CI/CD Pipeline

- Identify a typical hybrid CI/CD pipeline accessing both the Mainframe and distributed products