DevOps Fundamentals Eğitimi

Eğitim Hakkında

DevOps is a combination of software development and IT management practices that aims to increase efficiency in the development life cycle and streamline deployment operations. It enables collaboration and alignment between teams, while optimizing processes for faster delivery and response to customers.

This instructor-led, live training (online or onsite) is aimed at DevOps engineers, IT managers, or developers who wish to understand the fundamentals of DevOps, and then adopt the DevOps practices and tools into their organization.

Neler Öğreneceksiniz

- **Define the key concepts in DevOps.**

- **Describe how security fits into DevOps through DevSecOps.**

- **Discuss the DevOps lifecycle.**

- **Identify tools and programs that can be used to implement and work within a DevOps environment.**

Eğitim İçeriği

Introduction

- **DevOps vs Agile**

- **Overview of DevOps core concepts**

- **Understanding the key benefits of DevOps**

- **Understanding the DevOps Phases**

  - Continuous integration

  - Continuous delivery

  - Continuous deployment

  - Continuous testing

  - Continuous monitoring

- **Defining DevOps Structure and Processes**

  - Understanding DevOps roles and responsibilities

  - Planning and evaluating DevOps adoption

  - Customizing or standardizing DevOps pipeline

- **Setting Up the DevOps Infrastructure**

  - Choosing a Kanban tool for workflow tracking (Jira, Azure DevOps, etc)

  - Managing source codes using Git

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- **Building applications with Gradle and Jenkins**

- **Deploying applications with Docker and Kubernetes**

- **Building Automation Tools**

- **Understanding automation scenarios**

- **Creating and running automated tests with Selenium**

- **Implementing build and deployment automation workflows**

- **Integrating Security in DevOps Processes**

- **Understanding DevSecOps model**

- **Defining security policies and procedures**

- **Automating DevOps security processes and tools**

- **DevOps Best Practices and Tips**