

Configuring and Operating Microsoft Azure Virtual Desktop

Course Duration: 8 Hrs.

Course Code: AZ-2008

Course Overview

The AZ-2008: DevOps Foundations - The Core Principles and Practices course provides an overview of the core principles and practices of DevOps, including continuous integration, delivery, and automation, enabling participants to implement DevOps practices in their organizations.

Course Content

1) Discover DevOps

- Describe the DevOps approach
- Explore best practices for fostering DevOps culture
- Identify DevOps goals and benefits
- Understand the DevOps application lifecycle

2) Plan with DevOps

- Describe the components of and the path to a DevOps culture
- Define the frameworks and methods of the Agile methodology
- Implement DevOps practices
- Use GitHub to plan a project

3) Develop with DevOps

- Define source control and version control
- Describe how to manage source control with Git

- Define the concept of continuous integration
- Explore DevOps shift left testing scenarios
- Explore DevOps shift left security scenarios

4) Deliver with DevOps

- Define the concept of continuous delivery
- Describe the concept and implementation methods
- Review the progressive exposure techniques and deployment practices
- Explore DevOps shift-right testing scenarios
- Describe how to implement continuous delivery with GitHub Actions

5) Operate with DevOps

- Explore the concepts of operational excellence
- Review infrastructure and application monitoring solutions
- Review infrastructure and application security monitoring solutions
- Describe the correlation between SRE and DevOps