AZ-400T03-A: Implementing Continuous Delivery

This course provides the knowledge and skills to implement continuous delivery. Students will learn how to design a release strategy, set up a release management workflow, and implement an appropriate deployment pattern.

Objectives

- Differentiate between a release and a deployment

- Define the components of a release pipeline

- Explain things to consider when designing your release strategy

- Classify a release versus a release process and outline how to control the quality of both

- Describe the principle of release gates and how to deal with release notes and documentation

- Explain deployment patterns, both in the traditional sense and in the modern sense

- Choose a release management tool

- Explain the terminology used in Azure DevOps and other Release Management Tooling

- Describe what a Build and Release task is, what it can do, and some available deployment tasks

- Classify an Agent, Agent Queue, and Agent Pool

- Explain why you sometimes need multiple release jobs in one release pipeline

- Differentiate between multi-agent and multi-configuration release job

- Use release variables and stage variables in your release pipeline

- Deploy to an environment securely using a service connection

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- Embed testing in the pipeline

- List the different ways to inspect the health of your pipeline and release by using alerts, service hooks, and reports

- Create a release gate

- Describe deployment patterns

- Implement Blue Green Deployment

- Implement Canary Release

- Implement Progressive Exposure Deployment

Intended Audience

Students in this course are interested in implementing DevOps processes or in passing the Microsoft Azure DevOps Solutions certification exam.

Topics

- Design a Release Strategy

- Set up a Release Management Workflow

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