AZ-2006: Automate Azure Load Testing by using GitHub Actions

Course Content

Course Description:

Learn how to implement GitHub Actions and configure Azure Load Testing to automate testing app deployments.

Prerequisites:

Experience with GitHub and an understanding of pull requests, code merges, and other repository management practices.
Experience creating resources in Azure.

Target Audience:

Developer

Topics:

Lesson:

Implement GitHub Actions

- Introduction
- Explore GitHub Actions
- Examine a workflow file
- Implement variables and scripts in a workflow
- Explore contexts and expressions in GitHub
- Manage secrets in GitHub
- Exercise - Create a workflow that validates code on a pull request
- Knowledge check
- Summary

Implement GitHub Actions for Azure

- Introduction
- Explore GitHub Actions for Azure
- Discover authentication options for GitHub Actions for Azure
- Exercise - Use GitHub Actions for Azure to publish a web app to Azure App Service
- Knowledge check
- Summary

Implement Azure Load Testing

- Introduction
- Explore Azure Load Testing
- Create and manage tests in Azure Load Testing
- Create a load test YAML configuration file
- Define fail criteria and AutoStop
- Configure secrets and environment variables
- Exercise - Automate Azure load testing using GitHub Actions
- Knowledge check
- Summary

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Course ID #: 7000-1016-ZZ-Z

Hours: 7

NASBA Information

Level: Intermediate
Attendance Requirement: To be awarded the full credit hours, you must sign in and attend the entire course.
Fields: Computer Software & Applications
CPEs: 14

Policies: Course Registration, Cancellation, Refund and Complaint Resolution
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