

Automate Azure Load Testing by using GitHub (AZ-2006)

Description

Automate Your Load Testing with GitHub and Azure

Are you deploying applications on Azure and looking to ensure their performance under heavy load? This training, Automating Azure Load Testing with GitHub (AZ-2006), teaches you how to automate your load tests using GitHub and Azure Load Testing. With optimized workflows, you'll be able to identify bottlenecks and enhance the scalability of your applications.

Optimize Your Deployments and Secure Your Workflows

This AZ-2006 course guides you step by step in integrating GitHub Actions to automate performance testing. You will learn how to structure your workflow files, manage secrets, and configure advanced load tests on Azure. By the end of this training, you will be able to implement a robust and automated testing strategy, ensuring high availability for your services.

Course Content

Module 1 : Implement GitHub Actions

- Explore GitHub Actions
- Examine a workflow file
- Implement variables and scripts in a workflow
- Explore contexts and expressions in GitHub
- Manage secrets in GitHub

Module 2 : Implement GitHub Actions for Azure

- Explore GitHub Actions for Azure
- Discover authentication options for GitHub Actions for Azure
- Use GitHub Actions for Azure to publish a web app to Azure App Service

Module 3 : Implement Azure Load Testing

- Explore Azure Load Testing
- Create and manage tests in Azure Load Testing
- Create a load test YAML configuration file
- Define fail criteria and auto stop
- Configure secrets and environment variables
- Automate Azure load testing using GitHub Actions

Lab / Exercises

- This course provides you with exclusive access to the official Microsoft lab, enabling you to practice your skills in a professional environment.

Documentation

- Access to Microsoft Learn, Microsoft's online learning platform, offering interactive resources and

educational content to deepen your knowledge and develop your technical skills.

Participant profiles

- Développeurs cloud
- Ingénieurs DevOps
- Architectes logiciels
- Administrateurs systèmes
- Responsables techniques en charge du déploiement sur Azure

Prerequisites

- Master GitHub and pull requests
- Understand the basics of deployment on Azure
- Have knowledge of CI/CD and automation

Objectives

- Implement and configure GitHub Actions
- Automate load testing with Azure Load Testing
- Create and manage CI/CD workflows
- Secure authentication between GitHub and Azure
- Define failure criteria and automatic stop conditions
- Optimize the performance of applications deployed on Azure

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Niveau

Intermédiaire

Classroom Registration Price (CHF)

900

Virtual Classroom Registration Price (CHF)

850

Duration (in Days)

1

Reference

AZ-2006