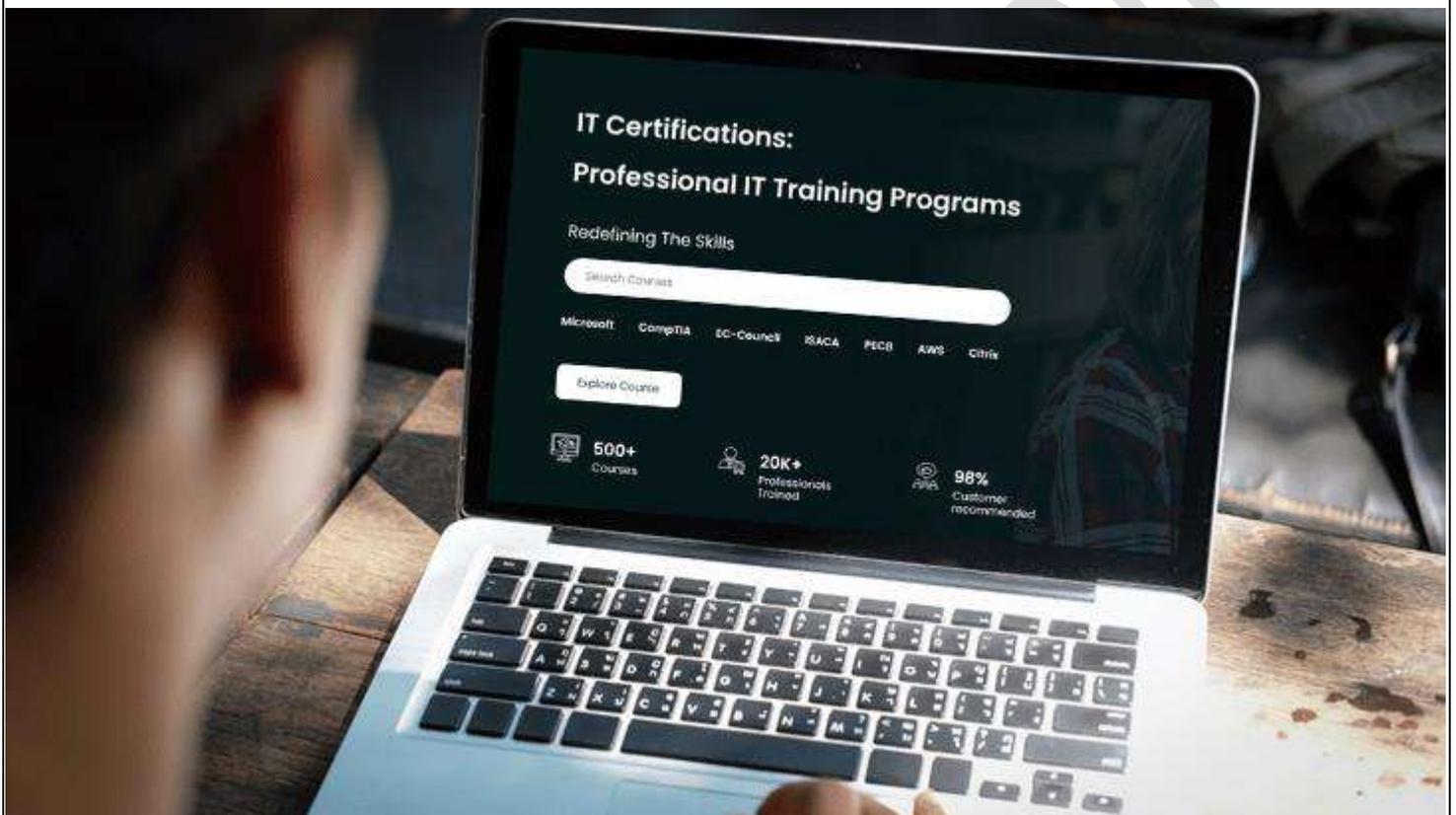




Redefining The Skills



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

DURATION: 1 DAY

Course Description

AZ-2006: Automate Azure Load Testing with GitHub equips participants with the skills to automate and streamline Azure Load Testing workflows using GitHub Actions. The course covers configuring GitHub Actions, managing workflows, and integrating service principals to enable automated deployments on Azure. Learners gain hands-on experience creating, configuring, and executing load tests within GitHub using Azure Load Testing services. By the end of the program, participants will be able to implement efficient automated testing processes and enhance application performance through the power of GitHub Actions for Azure.

Who should attend this course?

- Azure Developer
- Software Developer

What you will learn

- Implement GitHub Actions components to automate workflows.
- Manage variables, contexts, and secrets in GitHub for secure workflow execution.
- Use GitHub Actions to publish web apps to Azure App Service.
- Create and configure Azure Load Testing resources.
- Integrate load test input files into GitHub repositories and workflows.
- Automate Azure Load Testing execution using GitHub Actions.

Prerequisites

Required

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

Curriculum

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
- Exercise - Create a workflow that validates code on a pull request

Module 2: Implement GitHub Actions for Azure

- 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

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
- Exercise - Automate Azure load testing using GitHub Actions

For any query Contact Us – Microtek Learning
