

Bicep With Essential Training

Course Duration: 24 Hours

Course Code: AZ-BICEP-ET-01

1. Course Overview

Bicep with Essential Training is designed to help learners master Azure infrastructure deployment using Bicep, a domain-specific language for Infrastructure as Code (IaC). This course covers fundamentals, syntax, and real-world deployment scenarios, enabling efficient and scalable cloud resource management.

2. What You'll Learn

- Introduction to Bicep and Infrastructure as Code
- Writing and deploying Bicep templates
- Managing Azure resources using Bicep
- Reusable modules and parameterization
- Debugging and troubleshooting deployments
- Best practices for scalable cloud infrastructure

3. Target Audience

- Cloud Engineers and Architects
- Azure Administrators
- DevOps Engineers
- IT Professionals managing cloud infrastructure

- Beginners interested in Infrastructure as Code

4. Pre-Requisites

- Basic understanding of Microsoft Azure
- Familiarity with cloud computing concepts
- Basic knowledge of JSON or ARM templates (optional but helpful)
- Understanding of CLI or PowerShell basics

5. Course Content

- Introduction to Bicep
- Setting up Bicep Environment
- Bicep Syntax and Structure
- Parameters, Variables, and Outputs
- Resource Declaration in Bicep
- Modules and Reusability
- Deployment Methods (CLI, PowerShell, Portal)
- Error Handling and Debugging
- Real-World Use Cases and Projects
- Best Practices and Optimization Techniques