

## 40522: Microsoft Cloud Workshop: Azure Stack

**Course Duration: 8 Hours**

**Course Code: AZ- 40522**

### 1. Course Overview

Microsoft Cloud Workshop: Azure Stack (40522) is a hands-on training program designed to help professionals understand hybrid cloud solutions using Azure Stack. This course focuses on designing, implementing, and managing applications across on-premises and cloud environments using Microsoft Azure services.

### 2. What You'll Learn

- Understand Azure Stack architecture and components
- Design hybrid cloud solutions
- Deploy and manage applications in Azure Stack
- Integrate Azure Stack with Microsoft Azure
- Implement identity and security in hybrid environments
- Monitor and troubleshoot Azure Stack solutions

### 3. Target Audience

- Cloud Architects
- IT Professionals
- Azure Administrators
- DevOps Engineers

- Solution Architects
- Professionals working with hybrid cloud environments

## 4. Pre-Requisites

- Basic knowledge of Microsoft Azure
- Understanding of virtualization and networking
- Familiarity with cloud computing concepts
- Experience with Windows Server and Active Directory (recommended)

## 5. Course Content

- Introduction to Azure Stack
- Azure Stack Architecture and Components
- Hybrid Cloud Scenarios
- Identity and Authentication in Azure Stack
- Infrastructure Deployment and Management
- App Services and PaaS on Azure Stack
- Networking in Azure Stack
- Storage and Resource Management
- Monitoring, Troubleshooting, and Maintenance
- Hands-on Labs and Case Studies