

# **Microsoft Azure for AWS Experts**

**Modality: On Demand**

**Duration: 16 Hours**

## **About this course:**

Since cloud computing shapes companies of all scales, understanding the technology driving both private and public cloud infrastructure is critical.

This training offers MS Azure IaaS an in-depth overview and practical experience for Azure VMs, Virtual Networking, Storage, implementation options, and Azure AD. This curriculum is structured to compare AWS Infrastructure as a service application to those found in MS Azure.

The base salary for an MS Azure Cloud Professional with AWS expertise is \$125,000 per annum.

## **Course Objectives:**

When this training is complete, participants should have a working knowledge of:

- Managing and implementing Resource Groups and Azure Resource Manager
- Managing and implementing Storage and VMs
- Managing and implementing Azure AD
- Managing and implementing Azure Virtual Networking
- Understanding the fundamentals of Azure Active Directory
- Setup and managing Linux Azure VM Storage
- Building an MS Azure Virtual Machine
- Comparison of apps and resources at MS Azure and AWS
- Installing Virtual Network Peering in Azure
- Business architects, developers, and IT experts with AWS expertise in cloud computing
- Workloads are automated with a template
- Building a Linux Azure VM
- Work with Azure cross-platform command-line tools
- Configure Specified User Routes
- IT experts who already handle the AWS and Azure environments or will handle them soon
- Additional storage through the Portal

## **Audience:**

- IT experts who already handle the Azure and AWS environments or will handle them soon
- Business architects, developers, and IT experts with AWS expertise in cloud computing

## **Prerequisites:**

The user demographic is IT Professionals and Business Architects who use AWS to utilize cloud computing expertise. This training, however, mainly focuses on providing a framework for knowledge

and understanding and working hands-on with Azure Infrastructure as a service, and advanced knowledge of AWS is not a learning prerequisite for such services.

## **Course Outline:**

### **Quick Start: Microsoft Azure**

- Microsoft Azure
- Availability
- Accessing Azure
- Quick Reference: Azure Services

### **Module 1: AWS and Azure**

- AWS & Azure Comparison
- Pricing
- Video Series: Microsoft Azure for Amazon AWS Cloud Professionals

### **Module 2: Linux in Azure**

- Linux and OSS Support
- Linux Distributions
- Automation

### **Module 3: Virtual Machines**

- Virtual Machines
- Linux Virtual Machines
- Scored Lab: Creating and Connecting to a Linux Virtual Machine and Azure Storage
- Migrating VMs from AWS to Azure
- Lab 2: Creating a Microsoft Azure Virtual Machine
- Virtual Machine Storage
- Lab 3: Attaching Additional Storage using the Portal
- Lab 4: Managing Azure Storage

### **Module 4: Virtual Networking**

- Virtual Networking
- Azure Virtual Networks
- Creating a Virtual Network
- Network Security Groups
- Cross-premises Connection
- Network Availability
- Lab 1: Setting up the Lab Environment
- Lab 2: Configuring User Defined Routes
- Lab 3: Configuring Virtual Network to Virtual Network
- Lab 4: Deploying a Geo-Redundant Solution with Traffic Manager

## **Module 5: Resource Manager**

- Azure Resource Manager
- ARM Template Best Practices
- Authoring and Deploying Templates
- Defining ARM Dependencies
- Multiple Instances of Resources in ARM
- Lab 1: Automating Workloads with an ARM Template
- Lab 2: Using the Azure Command Line Tools

## **Module 6: Azure Active Directory**

- Azure AD and Cloud Identity
- Understanding Directory Integration
- Azure Role-Based Access Control (RBAC)
- Directory Synchronization Tools
- Directory Integration Scenarios
- Configuring Directory Synchronization and Single Sign On

## **Final Assessment**

- Final Assessment