

# **Implement Advanced Virtual Networking (AZ-101.3)**

**Modality: On Demand**

**Duration: 24 Hours**

Implement Advanced Virtual Networking (AZ-101.3) Course is now changed to the Microsoft Azure Administrator Certification (AZ-103) Course. Students planning to take the AZ-103 Certification Exam in 2020 must register and enroll in the Microsoft Azure Administrator (AZ-103) Course.

## **About this Course:**

This is an intermediate-level 24 hours course designed specifically for Azure Administrators, IT Professionals, and Cloud Administrators. This course helps professionals configure & implement traffic distribution mechanisms in Microsoft Azure Networks. These mechanisms include Azure Application Gateway, Azure Traffic Manager, and Azure Load Balancer. Professionals also learn the art of implementing site connectivity across multiple scenarios both hybrid and on-premises.

This course also covers the topic relating to on-premises system expansion over a dedicated private connection with the help of Azure ExpressRoute. Besides this, professionals will also get to know about Azure Virtual Networks Monitoring and Troubleshooting Techniques and will understand the basic concepts of using Network Watcher. This course also includes Error Remediation and Troubleshooting in Azure Load Balancer and Azure Application Gateway. The primary objective of this course is to help professionals prepare for success in the AZ-103 Certification Exam.

## **Course Objectives:**

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- Azure Load Balancer Configuration and Implementation
- Azure Traffic Manager Configuration and Implementation
- Azure Application Gateway Configuration and Implementation
- Express Routes and Site-to-Site VPN Connections Configuration and Implementation
- Network Watcher Configuration and Implementation

## **Audience:**

- Azure and Cloud Administrators
- IT Professionals
- Professional have Knowledge of Azure Portals and Command-Line of PowerShell

## **Prerequisites:**

Professionals planning to enroll in the Implement Advanced Virtual Networking (AZ-101.3) course must comply with the following prerequisites:

- Fundamental Knowledge of Operating Systems
- Basic Understanding of Virtualization
- Familiarity with Storage Structures and Cloud Infrastructure Essentials
- Knowhow of Networking Systems

## **Course Outline:**

### **1 | Distributing Network Traffic**

- Overview of Network Traffic Distribution Options
- Azure Load Balancer
- Azure Traffic Manager
- Azure Application Gateway
- Module 1 Review Questions

### **2 | Site Connectivity**

- Site--Site VPN Connections
- ExpressRoute
- Module 2 Review Questions

### **3 | Monitoring and Troubleshooting Network Connectivity**

- Introducing Azure Network Watcher
- Implementing Azure Network Watcher
- Network Troubleshooting Examples
- Module 3 Review Questions

### **4 | Lab-Implement Advanced Virtual Networking**

- Lab

## **Course Completion**

- Final Exam