

# **Automating Azure Workloads**

**Modality: On Demand**

**Duration: 16 Hours**

## **About this Course:**

This intermediate-level training program is specifically designed for IT System Administrators and Professionals striving to master the art of automating Azure Workloads. Azure Automation techniques are designed to mitigate human intervention and streamline business processes and operations. This course helps professionals build familiarity with the key concepts of Microsoft Azure and understand Disaster Recovery and Automation Strategies.

Professionals develop a conceptual understanding of working with innovative automation tools and techniques designed to augment efficiency and minimize business complexities. This course provides a comprehensive overview of Azure Resource Management Templates, Runbook & Workflow Integration, and Desired State Configuration. In addition to this, professionals also learn the art of Unexpected Infrastructure Failure Management, Application Availability Checks, Backup & Restoration Techniques, and Virtual and On-Premises Machine Service Automations.

Professionals having expertise in Microsoft Azure Services and Functionalities are always in high demand and can easily secure a reputable job in an IT-based organization. On average, an IT Service Administrator earns \$72,762 annually.

## **Course Objectives:**

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

- Creating and Configuring Environments with the help of ARM Templates
- Automatic Services and Templates Integration
- Using Extension of Desired State Configuration (DSC)
- Runbooks and Workflows Implementation
- Automation Components Integration through Azure Automation Tools and Processes
- Cloud Computing Models Fundamentals and Essentials
- Fundamental of Windows PowerShell and Command Line Interface Scripting

## **Audience:**

This course is tailored for the following group of professionals and interested candidates:

- IT Professionals & Experts
- System Administrators

## **Prerequisites:**

Professionals planning to enroll in the Automating Azure Workloads course must comply with the following prerequisites:

- Fundamental Knowledge of Cloud Computing Models
- Conceptual Understanding of Command Line Interface Scripting and PowerShell

## **Course Outline:**

### **1 | ARM Templates**

- ARM Templates
- Implementing ARM Templates
- Practical Exercises ARM Templates
- Review Questions ARM Templates

### **2 | Runbooks**

- Automation Accounts
- Automation Security
- Runbook Assets
- Runbook Basics
- PowerShell Workflows
- Practical Exercises Runbooks
- Review Questions Runbooks

### **3 | Automation DSC**

- Automation DSC
- Implementing Automation DSC
- Practical Exercises DSC
- Review Questions DSC

### **4 | Course Completion**

- Final Exam Graded
- Lab Graded