



Rlearning solution private limited  
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# Automate Microsoft Azure with Terraform

Duration: 24 Hrs

## Course Overview:

The 5-days Instructor Led Automating Microsoft Azure with Terraform, the participants can learn Infrastructure as a Code, Configuring Terraform for Microsoft Azure, Initializing, formatting, Validating Terraform Infrastructure as a Code, Writing the Infrastructure as a code to Implement any Services in Microsoft Azure.

The Entire program goal is to make participants write infrastructure as a Code using terraform so this is executed 100% hands-On experience

## Pre-Requisites:

Participants Must complete AZ-104 Azure Administration.

## Module Overview

### Module-1 Deep Dive on Terraform Infrastructure as a Code

- Orchestrating a Case Study-Designing End to End Microsoft Azure Infrastructure Services
- Understanding Terraform Infrastructure as Code Infrastructure as Code for Microsoft Azure
- Terraform Deployment workflow
- Installing Terraform
- Integrating terraform with Azure DEVOPS

### Module-2 Deep Dive on Build terraform Infrastructure

- Derive Terraform Block to write terraform code
- Defining Resources and Providers
- Initializing the Terraform Configuration to Access the Terraform resources and Providers
- Format and Validating the Configuration
- Applying the Terraform Configuration

Module-3 : Practicing to write Terraform to Create, Modify and Apply Azure Infrastructure Changes to deploy the Following Azure Services for Any business segments

- Virtual networks
- Virtual Machines
- Storage
- Azure Load Balancers , gateways
- Traffic Manager
- App Services
- Kubernetes
- Azure Security Services
- Application Workloads
- And many more

Module-4 Deploying terraform Code using Microsoft Azure Devops

- Creating, Configuring and managing a Build pipeline for Terraform code
- Creating, Configuring and managing a Release pipeline for Terraform Code
- Enabling Continuous Integration and Continuous Deployment and Delivery using Azure DEVOPS