

## OCI-DTE1: Deploying to Oracle Cloud Infrastructure with Terraform Ed 1

Course Code: OCI-DTE1

Duration: 1 day

Instructor-led Training (ILT) | Virtual Instructor-led Training (VILT)

### OVERVIEW

In this course, you will understand the core terraform workflow, and install terraform. You can also explore terraform scripts to deploy VCN, Compute Instances, and other resources on OCI without using OCI console. Lastly you will discover and deploy Jenkins, host Jenkins on Oracle Cloud Infrastructure to centralize your build automation and scale your deployment.

### SKILLS COVERED

After completion of this course, the participant will be able to:

- Install and configure Terraform
- Use Terraform for Infrastructure as code implementation

### WHO SHOULD ATTEND?

This course is designed for:

- Cloud Administrator
- SysOps Administrator
- DevOps Engineer

### PREREQUISITES

Oracle Cloud Infrastructure Administration Essentials

## MODULES

### Module 1: Terraform Overview

- Terraform Introduction
- Configuration Management and Orchestration
- Mutable and Immutable Infrastructure
- Procedural and Declarative Approach
- Core Terraform Workflow
- Providers
- Resource Configuration

### Module 2: Terraform Installation

- Installing Terraform on Linux and Windows
- Verifying Terraform Installation

### Module 3: Using Terraform on OCI

- Creating Identity and Access Management resources using Terraform
- Deploying VCN, and Compute Instances
- Creating Object storage and Elastic File Storage
- Implementing a load balancer

### Module 4: Deploying Jenkins

- What Is Jenkins?
- Advantages of Jenkins
- Continuous Integration with Jenkins
- Jenkins Distributed Architecture

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