Terragrunt

Duration: 2 days (8hrs/day)

Prerequisites: Terraform Certified Associate course

Course Objective: This course aims to provide a solid understanding of Terragrunt and its practical applications in Terraform workflows. Participants will learn to structure projects efficiently, manage configurations effectively, and automate tasks to maintain infrastructure consistency. Through hands-on labs, learners will gain the skills necessary to implement Terragrunt effectively in real-world scenarios.

Terraform Version: Latest

Lab Requirement: Participant Cloud Free-Trial Account Required, **Cloud Platform:** Azure/AWS

Module 1 – Understanding Terragrunt

What is Terragrunt?

Why Terragrunt

Working of Terragrunt

Use-Cases

Terragrunt plan/apply/output/destroy

Lab: Installing terragrunt

Lab: Creating terraform modules

Understanding Directory Structure

Lab: Creating terragrunt directory Structure with Basic terragrunt.hcl

Lab: Using terragrunt plan/apply/output/destroy

Module 2 – Features of Terragrunt

Keeping your Terrraform Code DRY

Keeping your remote state configuration DRY

Keep your CLI flag DRY

Understanding Terragrunt Variables

Understanding Inputs & Locals

Lab: Using Inputs

Lab: Using Locals

Lab: Creating DRY Configuration

Understanding Hooks

Lab: Using Hooks in terragrunt

Module 3 – Understanding terragrunt.hcl Syntax

Built-in functions

Lab: Using terragrunt Functions

Understanding terragrunt Blocks

- terraform
- remote_state
- include
- locals
- dependency
- dependencies
- generate

Lab: Using terragrunt Blocks

Understanding Attributes

Understanding more terragrunt CLI Commands

Lab: Complete Project-Example using terragrunt