

Terraform Foundations

Duration: 3 Days **Course Code: 8H500G** **Delivery Method: Virtual Learning**

Overview:

The course introduces the principles and benefits of Infrastructure as Code (IaC) and guides learners through the fundamentals of using Terraform to automate infrastructure management across various cloud platforms.

Target Audience:

IT Infrastructure Engineers DevOps Engineers Cloud Architects Site Reliability Engineers (SREs) IT Managers Consultants

Objectives:

- After this course participants should be able to:
- Understand the principles and benefits of Infrastructure as Code (IaC)
- Install and configure Terraform.
- Write and interpret Terraform configuration files. (.tf)
- Define and manage infrastructure resources using providers.
- Implement dynamic configuration with variables and extract output values.
- Manage Terraform code with modules and manage multiple environments using workspaces.
- Automate Terraform execution and integrate with CI/CD pipelines.
- Adopt best practices for designing, securing, and sharing Terraform configurations.

Prerequisites:

Basic understanding of IT, Storage, Workflows.

Content:

- Introduction to Infrastructure as Code (IaC)
- Terraform Basics
- Terraform Resources and Providers
- Variables and Outputs
- State Management
- Modules and Workspaces
- Terraform Workflows
- Best Practices
- Hands-On Labs
- Course Summary

Additional Information:

Official course book provided to participants.

Further Information:

For More information, or to book your course, please call us on 0800/84.009

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