Terraform

Training Curriculum

STRUCTURE

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"Become a certified Terraform professional by joining our comprehensive Training Program at Croma Campus"

About Croma Campus:

Croma Campus Training & Development Private Limited is an education platform since 2010 providing rigorous industry-relevant programs designed and delivered in collaboration with world-class faculty and industry.

- Hands-On Live Projects
- Simulation Test Papers
- Industry Cases Studies
- 61,640+ Satisfied Learners
- 140+ Training Courses
- 100% Certification Passing Rate
- Live Instructor Classroom / Online Training
- 100% Placement Assistance

Course Objectives:

- Simply grab skills on the data security as well as the security of the data center while defining the same.
- Gain the skills in almost every domain being deployed by the organizations.
- Gain potential on how to share the information privately.
- Pay a lot of attention to the practical learning of the students and include various projects in the course.
- Get a multitude of opportunities to introduce themselves with various IT tools.

Course Description:

Croma Campus offers the best Terraform Training course to help students write totally error-free codes to get the best out of the database infrastructure. As the entire database can be configured in terms of code, the users have nothing to worry. Our Terraform certification course has an excellent scope in different domains of Information Technology.

And it wouldn't be wrong to say that many organizations these days are focusing on eliminating barriers with their database security. This course provides learners with enough knowledge about writing the infrastructure of the database even in an advanced language within the allowed time. We have a dedicated pool of experts who may help you get an in-depth view of various topics and best practices, allowing you to achieve the widely accepted Terraform certification. Also, you will get placement assistance, and smart tips that will let you succeed at the time of the interview.

So, what are you waiting for? Simply choose the best Terraform training course in Noida and become a certified professional.

Croma Campus Training Program Deliverables:

- **Session Recordings** - Original Class Room Voice & Video Recording
- **Training Material** - Soft Copy Handbooks
- **Assignments** | Multiple Hands-on Exercises

- **Test Papers** - We provide **Practice Test** as part of our course to help you prepare for the actual certification exam.
- **Live Case Studies**
- **Live Projects** - Hands-on exercises and Project work. You will work on real time industry-oriented projects and assignments for each module to practice.
- **Key focus on Hands-on exercises and Project work**. You will work on real time industry-oriented projects.
- Faculty with more than **10+ Years of Experience** in the Industry.
- **Technical Resume Designing & Job Assistance:** With more than 100+ Clients across the Globe and we help learners to get a good job in their respective field. We also help learners with resume preparation.
- **Interview Q&A**
- **About Croma Campus Training Certificate:** Croma Campus will provide you with an industry-recognized (Certified by **ISO 9001:2015** & **E-Cell IIT Jodhpur**) course completion certificate which has lifelong validity.
- **How I Unlock my Croma Campus Certificate:** Attend Complete Batch & Submit at least One Completed Project.

Module 1 - Getting Started & Setting Up Labs

- Choosing a right Infrastructure as Code Tool
- Installing Terraform - Windows Users
- Installing Terraform – Mac OS and Linux Users
- Choosing Right IDE for Terraform IAC development
- Setting up AWS account

Module 2 - Deploying Infrastructure with Terraform

- Creating first EC2 instance with Terraform
- Understanding Resources & Providers
- Destroying Infrastructure with Terraform
- Understanding Terraform State files
- Understanding Desired & Current States
- Challenges with the current state on computed values
- Terraform Provider Versioning
- Types of Terraform Providers

Module 3 - Read, Generate, Modify Configurations

- Understanding Attributes and Output Values in Terraform
- Referencing Cross-Account Resource Attributes
- Terraform Variables
- Approaches for Variable Assignment
- Data Types for Variables
- Fetching Data from Maps and List in Variable

- Count and Count Index
- Conditional Expressions
- Local Values
- Terraform Functions
- Data Sources
- Debugging in Terraform
- Terraform Format
- Validating Terraform
- Configuration Files
- Load Order & Semantics
- Dynamic Blocks
- Tainting Resources
- Splat Expressions
- Terraform Graph
- Saving Terraform Plan to File

Module 4 - Terraform Provisioners

- Understanding Provisioners in Terraform
- Types of Provisioners
- Implementing remote-exec provisioners
- Implementing local-exec provisioners

Module 5 - Terraform Modules & Workspaces

- Understanding DRY principle
- Implementing EC2 module with Terraform
- Variables and Terraform Modules Terraform Registry
- Terraform Workspace
- Implementing Terraform Workspace

Module 6 - Remote State Management

- Integrating with GIT for team management
- Security Challenges in Commiting TFState to GIT
- Remote State Management with Terraform
- Implementing S3 Backend
- Challenges with State File locking
- Integrating DynamoDB with S3 for state locking
- Terraform State Management
- Importing Existing Resources with Terraform Import

Module 7 - Security Primer

- Handling Access & Secret Keys the Right Way in Providers
- Terraform Provider Use Case - Resources in Multiple Regions
- Handling Multiple AWS Profiles with Terraform Providers

- Terraform & Assume Role with AWS STS
- Sensitive Parameter

Module 8: Placement Guide

- Tips to clear an Interview
- Common Interview questions and answers
- Terraform Interview Questions and Answers
- Resume Building Guide
- Attempt for the related Global Certification Exam
- Earn Credentials and Start applying for Jobs