

Introduction to Terraform

Learn how to express infrastructure across multiple teams within an enterprise using Terraform.



A PLURALSIGHT COMPANY

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Course Overview:

The Introduction to Terraform training course demonstrates the flexibility and power of the Terraform provisioning system.

The course begins with students learning how to express infrastructure across multiple teams within an enterprise. Next, the course dives into how to leverage Terraform to audit infrastructure information programmatically and enable change management as well as deploy reusable and consistent infrastructure. The course concludes with using real world examples to learn how Terraform can be used to manage AWS applications as small as a few EC2 instances or as large as multi-regional applications.

Productivity Objectives:

After this course, you will be able to:

- Read and build Terraform projects
- Utilize reusable Terraform patterns
- Leverage security best practices for Terraform
- Automate instance provisioning pipelines with Packer

Course Duration:

This course will be delivered in 3 Days

Course Delivery:

DI will work with you and your team to define the most appropriate delivery structure, schedule and dates. Structure, schedule and dates will be determined by project schedule, team availability and classroom availability. And of course, it will also be determined by DI's instructor availability.

Course Outline:

- Introduction to Terraform
 - Project Structure
 - Commands
 - Resources
 - Data Sources
 - Variable
 - Providers
 - State/Remote State (backends)
- Reuse Patterns in Terraform
 - Workspaces
 - Outputs
 - Modules
- Keeping Terraform in Sync With Resources
 - Configuration drift
 - Drift use cases
 - Refresh command
 - Importing existing resources
- Security and Terraform
- Built-in Functions and Interpolation
- Building Infrastructure with Terraform
 - Configuration management vs provisioning
 - Provisioners vs providers
 - Tainting
 - Files
- Provisioner
 - Local Exec
 - Remote Exec
 - File Upload
- Error Handling and Debugging in Terraform

- Introduction to Packer
 - Terminology
 - Templates
 - Builders
 - AWS
 - Azure
 - Others
 - Provisioners
 - Post-processors
- Packer Use Cases
 - Packer with AWS
 - Packer with Containers
 - Packer with Virtual Box

Let the learning commence!

Contact us to begin the personalization process. We'll work with you to design a **custom training solution** that works for you, your team and your budget. Let's get started! **720-445-4360**



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"; //Print Page // window.print(); setTimeout(function(){ window.print(); }, 2000); //Restore original HTML  
document.body.innerHTML = oldPage; }
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