**Terraform Training Outline  
VSS Innovative Technologies, Bangalore**

[1. Introduction to Terraform](http://vsstech.in/terra-form-training-courses-in-bangalore-btm-marathahalli/)

Introduction to terraform

Infrastructure Automation

Install Terraform

Providers

Resources

Basic Syntax

Exercise: Your First Script main.tf

[2. Getting started with Terraform](http://vsstech.in/terra-form-training-courses-in-bangalore-btm-marathahalli/)

Terraform Plan, show, Apply, Destroy

Exploring Terraform Registry

Interpolation

Tainting and Updating Resources

Terraform Console and Output

Terraform Variables

Breaking Out Our Variables and Outputs

Lab exercises: Breaking down main.tf into variables.tf, output.tf,

[3. Terraform Modules](http://vsstech.in/terra-form-training-courses-in-bangalore-btm-marathahalli/)

Introduction to Modules

Module repositories

First Basic Module

The Module code

Main Terraform Code

Using git repositories to save modules

Lab exercises: Modules for Docker

[4. Terraform: Writing in a more organized way](http://vsstech.in/terra-form-training-courses-in-bangalore-btm-marathahalli/)

Maps and Lookups

Terraform Workspaces

[5. Terraform with AWS: lab Part 1](http://vsstech.in/terra-form-training-courses-in-bangalore-btm-marathahalli/)

Setting up the system for AWS

AWS Storage: The S3 Bucket

AWS Compute: AMI Data,

AWS Compute: The EC2 Instance

AWS Compute: User Data and Template Files

[6. Terraform](http://vsstech.in/terra-form-training-courses-in-bangalore-btm-marathahalli/)

Remote state

Data Sources

Templates

Conditionals

Built-in Functions

Working with state files

[7. Terraform Integration](http://vsstech.in/terra-form-training-courses-in-bangalore-btm-marathahalli/)

Adding S3 backend

Integration with Git

[8. Terraform with AWS: Lab Part 2](http://vsstech.in/terra-form-training-courses-in-bangalore-btm-marathahalli/)

AWS Networking: VPC, IGW, and Route Tables

AWS Networking: Subnets, Security, and the Count Attribute