

Beginner Terraform Tutorial: How to Provision Azure and AWS Resources with Terraform

This Terraform tutorial covers how to provision AWS resources with Terraform for you automatically as well as update your infrastructure changes and monitor incremental progress. This course explains how to describe your desired end configuration to Terraform using its unique syntax and then fire it and let it generate its own execution plan to reach the desired state.

[CBT Nuggets course material](#) →

WEEK 1

Infrastructure as Code in Azure

153 min.

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First Look at Terraform Code	5
Creating a Virtual Network with Terraform	7
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Deploy and Manage AWS Infrastructure Resources with Terraform

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Add Subnets to a VPC Configuration in Terraform	10
Declaring Variables in Terraform Configurations	8
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Deploy Terraform Templates with GitHub Actions

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Develop Simple Terraform Template for AWS	8
Configure GitHub Actions Workflow for Terraform Plan	10
Run Terraform Apply and Manage State with GitHub Actions	17

WEEK 2

39 min.

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Deploy AWS Cloud Resources with Hashicorp Terraform

Overview 1

Intro to AWS Deployment With Terraform 1

Configure the Terraform Provider for AWS 1

Provision an AWS VPC Resource With Terraform 1

Associate AWS Subnet to VPC With Terraform 1

Configure Internet Gateway for AWS VPC With Terraform 1

Setting DHCP Options for AWS VPC With Terraform 1

Deploy Essential Google Cloud Resources with Hashicorp Terraform

Overview 1

Intro to Terraform With Google Cloud Platform 1

Install Dev Tools for GCP and Terraform 1

Initialize Terraform Provider for GCP 1

Define Google Cloud Run Service in Terraform Code 1

Plan and Deploy Terraform Project Resources 1

Modify Auth Config for Google Cloud Run Service 1

Add Google Cloud SQL Instance to Terraform Project 1

Deploy Microsoft Azure Cloud Resources with Hashicorp Terraform

Overview 1

Intro to Deploying Microsoft Azure Resources With Terraform 1

Understanding the Purpose of Terraform CLI 1

Setting up Terraform Development Tools 1

Configure Azure Authentication for Terraform 1

Create Azure Resource Groups in Terraform Project 1

Provision Azure Storage Account With Terraform 1

Define Azure Storage Queue With Terraform 1