**10**

**Getting Started with Terraform for Google Cloud**

[Course Introduction - YouTube](https://www.youtube.com/watch?v=bJR8r7aHxHA)

[Module Overview (youtube.com)](https://www.youtube.com/watch?v=jyAt2IL58Gk&t=1s)

[Infrastructure as Code (youtube.com)](https://www.youtube.com/watch?v=Xmhl0lwE9Fo)

[Terraform Overview (youtube.com)](https://www.youtube.com/watch?v=JKKdAYue1Zc)

[Using Terraform (youtube.com)](https://www.youtube.com/watch?v=u5TXVqVFysw)

<https://www.youtube.com/watch?v=5GE8-eS38rQ>

[Module Overview (youtube.com)](https://www.youtube.com/watch?v=Gu7cWY4uRKU)

[Terraform Configurations and the HashiCorp Language (youtube.com)](https://www.youtube.com/watch?v=9M-Ls2jrSxc)

[Author Phase Terms and Concepts - YouTube](https://www.youtube.com/watch?v=nnxC2RYhcCI)

[Terraform Commands (youtube.com)](https://www.youtube.com/watch?v=jTJXNigqDgw&t=1s)

[The Terraform Validator - YouTube](https://www.youtube.com/watch?v=5z08__JjDFw&t=1s)

[Demo - Terraform Workflow - YouTube](https://www.youtube.com/watch?v=23WzKokmha8)

# [Lab: **Infrastructure as Code with Terraform**](https://www.cloudskillsboost.google/paths/11/course_templates/443/labs/486723)

[Module Summary (youtube.com)](https://www.youtube.com/watch?v=cudoOr-ahXs)

[Module Overview - YouTube](https://www.youtube.com/watch?v=zinw-M3bBxM)

[Introduction to Resources - YouTube](https://www.youtube.com/watch?v=6hsFAsp6YJA&t=1s)

[Meta-arguments for Resources (youtube.com)](https://www.youtube.com/watch?v=TdOWdb3NHKY)

[Resource Dependencies (youtube.com)](https://www.youtube.com/watch?v=5tCUjRc3mLA)

[Variables (youtube.com)](https://www.youtube.com/watch?v=LEem8QmLnC4)

[Variables Best Practices (youtube.com)](https://www.youtube.com/watch?v=w4MpDhMXI8k)

[Output Values - YouTube](https://www.youtube.com/watch?v=1WsBIpPw7a4)

[Terraform Registry and Cloud Foundation Toolkit (youtube.com)](https://www.youtube.com/watch?v=2zQwDmND94I)

[Terraform Registry and Cloud Foundation Toolkit (youtube.com)](https://www.youtube.com/watch?v=O2JSGQRQj10)

# [Lab: Creating Resource Dependencies with Terraform](https://www.cloudskillsboost.google/paths/11/course_templates/443/labs/486735)

[Module Summary - YouTube](https://www.youtube.com/watch?v=UTjUHxPANeI)

[Module Overview - YouTube](https://www.youtube.com/watch?v=zszy0qmMZqE)

[Introduction to Terraform Modules - YouTube](https://www.youtube.com/watch?v=xDk4PgcCFMk)

[Modules use cases and benefits - YouTube](https://www.youtube.com/watch?v=y_84qUm1EAo)

[Reuse Configurations with Modules - YouTube](https://www.youtube.com/watch?v=zj33IHhgGFc)

[Variables and Outputs - YouTube](https://www.youtube.com/watch?v=xxXDkFUQ1ks)

[Best Practices and a Real Time Scenario - YouTube](https://www.youtube.com/watch?v=876cSkIWFR8)

# [Lab: Automating the Deployment of Infrastructure Using Terraform](https://www.cloudskillsboost.google/paths/11/course_templates/443/labs/486745)

# [Module Summary - YouTube](https://www.youtube.com/watch?v=LIu9abJHPXE)

[Introduction to Terraform State - YouTube](https://www.youtube.com/watch?v=NbMqKWGLWZA)

[Storing State Files (youtube.com)](https://www.youtube.com/watch?v=PZ96K8m4abQ)

[Terraform State Best Practices - YouTube](https://www.youtube.com/watch?v=7vfaJqgvrEY)

[Creating a Remote Backend | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/443/labs/486753)

[Module Summary (youtube.com)](https://www.youtube.com/watch?v=YcFOSW8uQ_0&t=2s)

[Course Summary (youtube.com)](https://www.youtube.com/watch?v=o4jg24lFubo)

<https://storage.googleapis.com/cloud-training/T-TFGC-B/EN/1.0/student/M1_T-TFGC-B_Introduction%20to%20Terraform%20for%20Google%20Cloud.pdf>

<https://storage.googleapis.com/cloud-training/T-TFGC-B/EN/1.0/student/M2_T-TFGC-B_Terms%20and%20Concepts.pdf>

<https://storage.googleapis.com/cloud-training/T-TFGC-B/EN/1.0/student/M3_T-TFGC-B_Writing%20Infrastructure%20Code%20for%20Google%20Cloud.pdf>

<https://storage.googleapis.com/cloud-training/T-TFGC-B/EN/1.0/student/M4_T-TFGC-B_Organizing%20and%20Reusing%20Configuration%20with%20Terraform%20Modules.pdf>

<https://storage.googleapis.com/cloud-training/T-TFGC-B/EN/1.0/student/M5_T-TFGC-B_Introduction%20to%20the%20Terraform%20State.pdf>

## 11

# Implement Load Balancing on Compute Engine

[Creating a Virtual Machine | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/648/labs/484532)

[Compute Engine: Qwik Start - Windows | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/648/labs/484533)

[Getting Started with Cloud Shell and gcloud | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/648/labs/484534)

[Set Up Network and HTTP Load Balancers | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/648/labs/484535)

[Implement Load Balancing on Compute Engine: Challenge Lab | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/648/labs/484536)

## 12

# Set Up an App Dev Environment on Google Cloud

[Cloud Storage: Qwik Start - Cloud Console | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/637/labs/464350)

[Cloud Storage: Qwik Start - CLI/SDK | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/637/labs/464351)

[Cloud IAM: Qwik Start | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/637/labs/464352)

[Cloud Monitoring: Qwik Start | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/637/labs/464353)

[Cloud Functions: Qwik Start - Console | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/637/labs/464354)

[Cloud Functions: Qwik Start - Command Line | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/637/labs/464355)

[Pub/Sub: Qwik Start - Console | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/637/labs/464356)

[Pub/Sub: Qwik Start - Command Line | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/637/labs/464357)

[Pub/Sub: Qwik Start - Python | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/637/labs/464358)

[Set Up an App Dev Environment on Google Cloud: Challenge Lab | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/637/labs/464359)

## 13

# Develop your Google Cloud Network

[Cloud IAM: Qwik Start | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/625/labs/464385)

[Introduction to SQL for BigQuery and Cloud SQL | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/625/labs/464386)

[Multiple VPC Networks | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/625/labs/464387)

[Cloud Monitoring: Qwik Start | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/625/labs/464388)

[Managing Deployments Using Kubernetes Engine | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/625/labs/464389)

[Develop your Google Cloud Network: Challenge Lab | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/625/labs/464390)

## 14

# Build Infrastructure with Terraform on Google Cloud

[Terraform Fundamentals | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/636/labs/464832)

[Infrastructure as Code with Terraform | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/636/labs/464833)

[Interact with Terraform Modules | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/636/labs/464834)

[Managing Terraform State | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/636/labs/464835)

[Build Infrastructure with Terraform on Google Cloud: Challenge Lab | Google Cloud Skills Boost](https://www.cloudskillsboost.google/paths/11/course_templates/636/labs/464836)