

# What is Terraform?

## *Terraform is...*

- For provisioning and managing any infrastructure, anywhere, using a **declarative template language**, defined in \*.tf format (HCL language)
- Abstraction layer over common public/private cloud provisioning/automation languages
- Developed by HashiCorp
- Has a **free, open source** and a **payed, enterprise** version

## *It is NOT....*

- **“Write once, deploy anywhere” Infra as Code**




# Terraform – the platform

hashicorp / terraform Public

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<> Code Issues 1.5k Pull requests 158 Actions Security 1 Insights

main 413 branches 257 tags Go to file Add file <> Code

 jbardin Merge pull request #31990 from hashicorp/jbardin/or... 980bf43 22 hours ago 30,487 commits

.github	Add skeleton action for equivalence tests (#31940)	7 days ago
.release	[RelAPI Onboarding] Add release API metadata file	7 months ago
docs	Merge pull request #31648 from nnzv/patch-3	2 months ago
internal	noop orphan change has nothing to apply	2 days ago
scripts	build: Exclude .pb.go files from goimports checking	2 months ago
tools	remove deprecated etcd backend	4 months ago
version	Update main branch version to 1.4.0	22 days ago
website	Add Private Service Connect endpoint support to GCS backen...	2 days ago
.gitignore	Fix .gitignore terraform entry to be root-relative	5 months ago
.go-version	update go1.19.1	29 days ago
.tfdev	Remove revision from version command	2 years ago
BUGPROCESS.md	Update BUGPROCESS.md	2 years ago


About

Terraform enables you to safely and predictably create, change, and improve infrastructure. It is an open source tool that codifies APIs into declarative configuration files that can be shared amongst team members, treated as code, edited, reviewed, and versioned.

[www.terraform.io/](https://www.terraform.io/)

cloud graph terraform cloud-management infrastructure-as-code

Contributors 1,662



+ 1,651 contributors

# Terraform providers ecosystem (2545)

Providers

Modules

Policy Libraries

FILTERS

Clear Filters

Tier

☒ Official

☒ Partner

☒ Community

Category

☐ HashiCorp Platform

☐ Public Cloud

☐ Asset Management

☐ Cloud Automation

☐ Communication & Messaging

☐ Container Orchestration

☐ Continuous Integration/Deployment (CI/CD)

☐ Cost Management

☐ Data Management

☐ Database

☐ Drift Detection

☐ Infrastructure (IaaS)

☐ Infrastructure Management

☐ Logging & Monitoring

☐ Networking

☐ No Code/Low Code Workflow

☐ Platform (PaaS)

☐ Policy


☐ Security & Authentication

☐ Utility


☐ VCS (Version Control)

Providers


Providers are a logical abstraction of an upstream API. They are responsible for understanding API interactions and exposing resources.




AWS




Azure




Google Cloud Platform




Kubernetes



Alibaba Cloud




Oracle Cloud Infrastructure




Active Directory

by: hashicorp




Archive

by: hashicorp




AWS Cloud Control

by: hashicorp




Azure Active Directory

by: hashicorp




Azure Stack

by: hashicorp




Boundary

by: hashicorp




Cloudinit

by: hashicorp




Consul

by: hashicorp




DNS

by: hashicorp




Cloudinit

by: hashicorp




External

by: hashicorp




HashiCorp Cloud Platform

by: hashicorp




HTTP

by: hashicorp




Null

by: hashicorp




Random

by: hashicorp




Terraform

by: hashicorp




TLS

by: hashicorp




anxcloud

by: anxia-it




artifactory

by: jfrog




auth0

by: auth0




Consul

by: hashicorp




Google Beta

by: hashicorp




HashiCorp Consul Service

by: hashicorp




Local

by: hashicorp




Oracle Public Cloud

by: hashicorp




Salesforce

by: hashicorp




Terraform Cloud

by: hashicorp




Vault

by: hashicorp




appviewx

by: AppViewX




artifacts

by: splunk




avi

by: vmware




DNS

by: hashicorp




Google Workspace

by: hashicorp




Helm

by: hashicorp




Nomad

by: hashicorp




Oracle Cloud Platform

by: hashicorp




Template

by: hashicorp




Time

by: hashicorp




VMware vSphere

by: hashicorp



aquasec

by: aquasecurity



astra

by: datastax

# Terraform provider for Azure

hashicorp / terraform-provider-azurerm Public

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<> Code

Issues 2.1k

Pull requests 100

Actions

Security

Insights

main 48 branches 211 tags

Go to file

Add file

<> Code

ziyeqf azurerm\_hpc\_cache - fix acc test (#18713) 75a61a5 1 hour ago 24,531 commits


.github	New Resource: azurerm_nginx_deployment (#18510)	yesterday
.release	Onboard project to Releases API	6 months ago
.teamcity	New Resource: azurerm_nginx_deployment (#18510)	yesterday
contributing	Update guide-opening-a-pr.md	2 months ago
examples	azurerm_cdn_frontdoor - Add CDN FrontDoor example confi...	8 days ago
helpers	policy_remediation_xxx_resource - support for the resour...	2 months ago
internal	azurerm_hpc_cache - fix acc test (#18713)	1 hour ago
scripts	gha -add check for Get in Delete func for typed resources (#1...	2 months ago
utils	Enhance - all machine learning resource - bump API to v2022...	16 days ago
vendor	dependencies: updating to v0.20221013.1033649 of `github.c...	10 hours ago
version	linting: remove old travis config & make steps (#9273)	2 years ago

About

Terraform provider for Azure Resource Manager

[registry.terraform.io/providers/hashicorp...](https://registry.terraform.io/providers/hashicorp...)

Contributors 1,227



+ 1,216 contributors

Languages

Go 99.8%

Other 0.2%

Releases 164

v3.26.0 Latest

7 days ago