

Homework_Lesson39_Report

Задание:


1. Создать аккаунт в Hashicorp Cloud Platform, *залогиниться в terraform cloud
2. Для написанного в задании 35 terraform конфига создать ПРИВАТНЫЙ репозиторий и закоммитить туда код конфига для AWS/GCP.
3. Выполнить применения кофига через terraform cloud (terraform login)
3. Создать триггер на запуск terraform plan в terraform cloud, который срабатывает на коммиты в приватном репозитории
4. Использовать написанный в задании 35 модуль с помощью которого будет создаваться сеть, интерфейс, прописываться правила для входящих подключений для портов: 22, 443, 80, 8080.
- 5.* Создать политику Sentinel, которая не даст создавать машины размера больше t3.micro/e2.micro

Регистрируемся на Hashicorp Cloud Platform

Organizations

Terraform organizations let you manage organizations, projects, and teams.

[+ Create organization](#)

Organization name	Organization type	Actions
alex1436183-org	 Terraform	...

1-1 of 1

< 1 >

Items per page 10

Создаем новый projects и workspace. Связываем workspace с репозиторием в git.

Create a new Workspace

HCP Terraform organizes your infrastructure resources by workspaces. A workspace contains infrastructure resources, variables, state data, and run history. [Learn more](#) about workspaces in HCP Terraform.


1 Connect to VCS

2 Choose a repository

3 Configure settings

Connect to a version control provider

Choose the version control provider that hosts the Terraform configuration for this workspace.

Project:  Default Project [?](#)

 GitHub

☒ GitHub App

 [Connect to a different VCS](#)

[< Previous](#)

[Cancel](#)

Workspaces

New

Workspaces

0

0

0

0

2

Tags

Status

Clear all

Workspace Name

Run Status

Repo

Latest Change

my_terraform

Applied

alex1436183/my_terraform

11 minutes ago



Запускаем кофиг через terraform cloud.

Latest Run

[View all runs](#)

Add files via upload

Applied

 alex1436183 triggered a run 18 minutes ago via  main → aaff168

Policy checks
Add

Estimated cost change
Enable

Plan & apply duration
1 minute

Resources changed
+4 ~0 -0

[See details](#)

Resources 4

Outputs 2

Current as of the most recent state version.

Filter resources				
NAME	PROVIDER	TYPE	MODULE	CREATED ↓
avl_subnet	hashicorp/googl...	google_compu...	network	Mar 26 2025
avl_vpc	hashicorp/googl...	google_compu...	network	Mar 26 2025
ubuntu_ce	hashicorp/googl...	google_compu...	root	Mar 26 2025
web_ssh	hashicorp/googl...	google_compu...	network	Mar 26 2025
1-4 of 4				
< Previous 1 Next >				

План по коммиту создается автоматически.

my_terraform

ID: ws-SmEyGeCGpj1Ndm9y

Add workspace description.

UnlockedResources 4Tags 0Terraform v1.11.2Updated a minute ago

Lock

New run

Current Run

Update main.tf

CURRENT

Planned and finished

#run-EYcjSAARdY6XsTpF | alex1436183 triggered via GitHub | Branch main | 7a744fc

2 minutes ago

Run List

All 4Needs Attention 0Errored 1Running 0On Hold 0Success 3

Search Runs

StatusOperationSource

Update main.tf

CURRENT

Planned and finished

#run-EYcjSAARdY6XsTpF | alex1436183 triggered via GitHub | Branch main | 7a744fc

2 minutes ago

Update README.md

Planned and finished

#run-LgH2qf8C9iRs2pSB | alex1436183 triggered via GitHub | Branch main | 632375d

4 minutes ago

Add files via upload

Applied

#run-cSylL43urHhP6aF99 | alex1436183 triggered via GitHub | Branch main | aaff168

21 minutes ago

Созданный инстенс

VM instances

Create instanceImport VMRefresh

Learn

Instances

Observability

Instance schedules

VM instances

Filter Enter property name or value

Status	Name	Zone	Recommendations	In use by	Internal IP	External IP	Connect
<input type="checkbox"/>	minion	us-central1-c			10.128.0.2 (nic0)		SSH
<input type="checkbox"/>	ubuntu24	europe-north1-b			10.166.0.3 (nic0)		SSH
<input checked="" type="checkbox"/>	ubuntu24-ce	europe-north1-b			10.0.1.2 (nic0)	35.228.177.173 (nic0)	SSH

Related actions

Hide

Explore Backup and DR

Back up your VMs and set up disaster recovery

View billing report

View and manage your Compute Engine billing

Monitor VMs

View outlier VMs across metrics like CPU and network

Explore VM logs

View, search, analyze, and download VM instance logs

Set up firewall rules

Control traffic to and from a VM instance

Patch management

Schedule patch updates and view patch compliance on VM instances

Load balance between VMs

Set up Load Balancing for your applications as your traffic and users grow

Созданное правило для портов.

Targets	
Target tags	ssh web-server

Source filters	
IP ranges	0.0.0.0/0

Protocols and ports	
tcp:22, 80, 443, 8080	

Enforcement	
Enabled	

Insights	
None	

Hit count monitoring ⓘ	
—	

Applicable to instances

ⓘ

The following table does not show any App Engine flexible environment instances

☰ Filter Filter by instance name, project or subnetwork ⓘ ⌵									
Name ↑	Subnetwork	Internal IP ranges	External IP ranges	Tags	Service accounts	Project	Labels	Network details	
ubuntu24-c	avt-subnet	10.0.1.2	35.228.177.173	ssh, web-	None	glossy-precinct-450612-g6	goog-terra...: true	View details	▼