Лабораторная работа 14

1. https://github.com/pkupryianau/hw12_14_15/tree/main/hw14
2. terraform init
   terraform fmt
   terraform validate
   terraform plan
   terraform apply

   Plan: 4 to add, 0 to change, 0 to destroy.
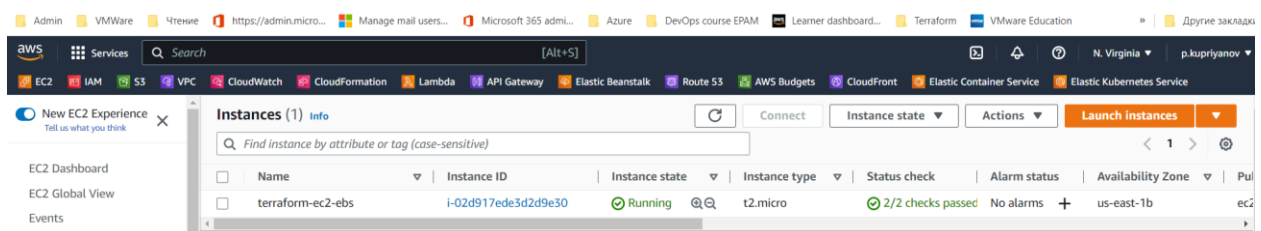
   Do you want to perform these actions?
     Terraform will perform the actions described above.
     Only 'yes' will be accepted to approve.

   <mark>Enter a value: yes</mark>

   aws_ebs_volume.ebs_volume: Creating...
   aws_security_group.ec2_sg: Creating...
   aws_security_group.ec2_sg: Creation complete after 6s [id=sg-0837460450b86fe5d]
   aws_instance.my_test_ec2: Creating...
   aws_ebs_volume.ebs_volume: Still creating... [10s elapsed]
   aws_ebs_volume.ebs_volume: Creation complete after 12s [id=vol-01691bcfed488f778]
   aws_instance.my_test_ec2: Still creating... [10s elapsed]
   aws_instance.my_test_ec2: Still creating... [20s elapsed]
   aws_instance.my_test_ec2: Still creating... [30s elapsed]
   aws_instance.my_test_ec2: Creation complete after 34s [id=i-02d917ede3d2d9e30]
   aws_volume_attachment.ec2_ebs_attach: Creating...
   aws_volume_attachment.ec2_ebs_attach: Still creating... [10s elapsed]
   aws_volume_attachment.ec2_ebs_attach: Still creating... [20s elapsed]
   aws_volume_attachment.ec2_ebs_attach: Creation complete after 22s [id=vai-1616773162]

   <mark>Apply complete! Resources: 4 added, 0 changed, 0 destroyed.</mark>

EC2 | IAM | S3 | VPC | CloudWatch | CloudFormation | Lambda | API Gateway | Elastic Beanstalk | Route 53 | AWS Budgets | CloudFront | Elastic Container Service | Elastic Kubernetes Service

New EC2 Experience
Tell us what you think

Instances (1/1) Info

Connect | Instance state ▾ | Actions ▾ | **Launch instances** ▾

Q Find instance by attribute or tag (case-sensitive)

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
☑	terraform-ec2-ebs	i-02d917ede3d2d9e30	⊘ Running	t2.micro	⊘ 2/2 checks passed	No alarms +	us-east-1b	ec2-34-201-43-29.com...

EC2 Dashboard
EC2 Global View
Events
Tags
Limits
▼ Instances
  Instances
  Instance Types
  Launch Templates
  Spot Requests
  Savings Plans
  Reserved Instances
  Dedicated Hosts
  Scheduled Instances
  Capacity Reservations
▼ Images
  AMIs
  AMI Catalog
▼ Elastic Block Store
  Volumes

Instance: i-02d917ede3d2d9e30 (terraform-ec2-ebs)

Details | Security | Networking | Storage | Status checks | Monitoring | Tags

▼ Instance summary Info

Instance ID
i-02d917ede3d2d9e30 (terraform-ec2-ebs)

Public IPv4 address
34.201.43.29 | open address ↗

Private IPv4 addresses
172.31.82.104

IPv6 address
–

Instance state
⊘ Running

Public IPv4 DNS
ec2-34-201-43-29.compute-1.amazonaws.com | open address ↗

Hostname type
IP name: ip-172-31-82-104.ec2.internal

Private IP DNS name (IPv4 only)
ip-172-31-82-104.ec2.internal

Answer private resource DNS name
–

Instance type
t2.micro

Elastic IP addresses
–

Auto-assigned IP address
34.201.43.29 [Public IP]

VPC ID
vpc-04266fc7f8775094f ↗

AWS Compute Optimizer finding
ⓘ Opt-in to AWS Compute Optimizer for recommendations. | Learn more ↗

EC2 | IAM | S3 | VPC | CloudWatch | CloudFormation | Lambda | API Gateway | Elastic Beanstalk | Route 53 | AWS Budgets | CloudFront | Elastic Container Service | Elastic Kubernetes Service

Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations
▼ Images
  AMIs
  AMI Catalog
▼ Elastic Block Store
  Volumes
  Snapshots
  Lifecycle Manager
▼ Network & Security
  Security Groups
  Elastic IPs
  Placement Groups
  Key Pairs
  Network Interfaces

EC2 > Volumes > vol-01691bcfed488f778

vol-01691bcfed488f778

Actions ▾ | Delete | Modify

Details

Volume ID
vol-01691bcfed488f778

Size
10 GiB

Type
gp2

Volume status
⊘ Okay

AWS Compute Optimizer finding
ⓘ Opt-in to AWS Compute Optimizer for recommendations. | Learn more ↗

Volume state
⊘ In-use

IOPS
100

Throughput
-

Encryption
Not encrypted

KMS key ID
-

KMS key alias
-

KMS key ARN
-

Snapshot
-

Availability Zone
us-east-1b

Created
Thu Jan 05 2023 21:38:17 GMT+0300
(Москва, стандартное время)

Multi-Attach enabled
No

Attached Instances
i-02d917ede3d2d9e30 (terraform-ec2-ebs): /dev/sdf (attached)

Outposts ARN
-

EC2 | IAM | S3 | VPC | CloudWatch | CloudFormation | Lambda | API Gateway | Elastic Beanstalk | Route 53 | AWS Budgets | CloudFront | Elastic Container Service | Elastic Kubernetes Service

Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations
▼ Images
  AMIs
  AMI Catalog
▼ Elastic Block Store
  Volumes
  Snapshots
  Lifecycle Manager
▼ Network & Security
  Security Groups
  Elastic IPs
  Placement Groups
  Key Pairs
  Network Interfaces
▼ Load Balancing
  Load Balancers
  Target Groups

sg-0837460450b86fe5d - ec2_sg_example

Actions ▾

Details

Security group name
ec2_sg_example

Security group ID
sg-0837460450b86fe5d

Description
Managed by Terraform

VPC ID
vpc-04266fc7f8775094f ↗

Owner
386123616643

Inbound rules count
2 Permission entries

Outbound rules count
1 Permission entry

Inbound rules | Outbound rules | Tags

ⓘ You can now check network connectivity with Reachability Analyzer | Run Reachability Analyzer | ✕

Inbound rules (2)

Manage tags | Edit inbound rules

Q Filter security group rules

	Name	Security group rule...	IP version	Type	Protocol	Port range	Source
☐	-	sgr-0724d04ad88586a3f	IPv4	Custom TCP	TCP	8080	0.0.0.0/0
☐	-	sgr-00ab8ca215b0719...	IPv4	SSH	TCP	22	0.0.0.0/0

Instances (1/1) **Info**

[↻] [Connect] [Instance state ▼] [Actions ▼] [**Launch instances**] [▼]

🔍 Find instance by attribute or tag (case-sensitive)   < 1 > ⚙

☑	Name	▽	Instance ID	Instance state	▽	Instance type	▽	Status check	Alarm status	Availability Zone	▽	Public IPv4 DNS
☑	terraform-ec2-ebs		i-02d917ede3d2d9e30	⊘ Running ⊕⊖		t2.micro		⊘ 2/2 checks passed	No alarms ➕	us-east-1b		ec2-34-201-43-29.com...

◁

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Instance: i-02d917ede3d2d9e30 (terraform-ec2-ebs)   ⚙ ✕

Details	Security	Networking	**Storage**	Status checks	Monitoring	Tags

▼ **Root device details**

Root device name	Root device type	EBS optimization
▢ /dev/sda1	EBS	disabled

▼ **Block devices**

🔍 Filter block devices

Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key ID	Delete
vol-0f7dc616ba8407185	/dev/sda1	8	⊘ Attached	Thu Jan 05 2023 21:38:23 G...	No	–	Yes
vol-01691bcfed488f778	/dev/sdf	10	⊘ Attached	Thu Jan 05 2023 21:39:06 G...	No	–	No