

Создание виртуальной сети

Create VPC [Info](#)

A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances.

VPC settings

Resources to create [Info](#)

Create only the VPC resource or the VPC and other networking resources.

☒ VPC only

☐ VPC and more

Name tag - *optional*

Creates a tag with a key of 'Name' and a value that you specify.

vpc-for-task7

IPv4 CIDR block [Info](#)

☒ IPv4 CIDR manual input

☐ IPAM-allocated IPv4 CIDR block

IPv4 CIDR

10.1.0.0/22

IPv6 CIDR block [Info](#)

☒ No IPv6 CIDR block

☐ IPAM-allocated IPv6 CIDR block

☐ Amazon-provided IPv6 CIDR block

☐ IPv6 CIDR owned by me

Tenancy [Info](#)

Default

Создание подсетей

Create subnet [Info](#)

VPC

VPC ID

Create subnets in this VPC.

vpc-0c7484761af9c590a (vpc-for-task7)

Associated VPC CIDRs

IPv4 CIDRs

10.1.0.0/22

Subnet 1 of 2

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

The name can be up to 256 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

IPv4 CIDR block [Info](#)

▼ Tags - optional

Key

Value - optional

You can add 49 more tags.

Subnet 2 of 2

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

The name can be up to 256 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

IPv4 CIDR block [Info](#)

▼ Tags - optional

Key

Value - optional

You can add 49 more tags.

Создание сетевого шлюза (аттачится к VPC)

igw-05ff41f92412ee914 / igw-for-vpc-task7

Actions

Details

Internet gateway ID

igw-05ff41f92412ee914

State

Attached

VPC ID

vpc-0c7484761af9c590a | vpc-for-task7

Owner

684882578868

Tags

Search tags

< 1 >

Manage tags

Key	Value
Name	igw-for-vpc-task7

Создание NAT gateway и выделяем под него Elastic IP

Create NAT gateway

Info

A highly available, managed Network Address Translation (NAT) service that instances in private subnets can use to connect to services in other VPCs, on-premises networks, or the internet.

NAT gateway settings

Name - optional

Create a tag with a key of 'Name' and a value that you specify.

nat-for-task7

The name can be up to 256 characters long.

Subnet

Select a subnet in which to create the NAT gateway.

subnet-09858083f988612c5 (subnet-public-for-task7)

Connectivity type

Select a connectivity type for the NAT gateway.

Public

Private

Elastic IP allocation ID

Info

Assign an Elastic IP address to the NAT gateway.

Select an Elastic IP

Allocate Elastic IP

Additional settings

nat-0e5b00cfb28373d1e / nat-for-task7

Delete

Details

NAT gateway ID

nat-0e5b00cfb28373d1e

NAT gateway ARN

arn:aws:ec2:eu-central-1:684882578868:natgateway/nat-0e5b00cfb28373d1e

VPC

vpc-0c7484761af9c590a / vpc-for-task7

Connectivity type

Public

Elastic IP address

3.65.86.236

Subnet

subnet-09858083f988612c5 / subnet-public-for-task7

State

Available

Primary private IPv4 address

10.1.2.12

Created

Friday, December 16, 2022 at 11:17:16 GMT+3

State message

-

Network interface ID

eni-024fb5da403e031b9

Deleted

-

Создание таблицы маршрутизации:

Создаю таблицу маршрутизации под публичную сеть, хосты которой будут ходить в интернет только через NAT

rtb-007c2135715bc28f3 / rtb-private-for-task7

Actions

DetailsInfo

Route table ID
rtb-007c2135715bc28f3

VPC
vpc-0c7484761af9c590a | vpc-for-task7

Main
No

Owner ID
684882578868

Explicit subnet associations
subnet-0413058d39f31628c / subnet-private-for-task7

Edge associations
-

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (2)

Edit routes

Filter routes

Both

< 1 >

Destination	Target	Status	Propagated
0.0.0.0/0	nat-0e5b00cfb28373d1e	Active	No
10.1.0.0/22	local	Active	No

rtb-007c2135715bc28f3 / rtb-private-for-task7

Actions

DetailsInfo

Route table ID
rtb-007c2135715bc28f3

VPC
vpc-0c7484761af9c590a | vpc-for-task7

Main
No

Owner ID
684882578868

Explicit subnet associations
subnet-0413058d39f31628c / subnet-private-for-task7

Edge associations
-

Routes

Subnet associations

Edge associations

Route propagation

Tags

Explicit subnet associations (1)

Edit subnet associations

Find subnet association

< 1 >

Subnet ID	IPv4 CIDR	IPv6 CIDR
subnet-0413058d39f31628c / subnet-private-for-task7	10.1.1.0/24	-

Создаю таблицу маршрутизации под публичную сеть, хосты которой имеют прямой доступ в интернет через Public IP и Internet gateways

rtb-006efa000652ab932 / rtb-public-for-task7

Actions

Details [Info](#)

Route table ID
rtb-006efa000652ab932

VPC
vpc-0c7484761af9c590a | vpc-for-task7

Main
Yes

Owner ID
684882578868

Explicit subnet associations
subnet-09858083f988612c5 / subnet-public-for-task7

Edge associations
-

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (2)

Edit routes

Filter routes

Both

< 1 > ⚙

Destination	Target	Status	Propagated
0.0.0.0/0	igw-05ff41f92412ee914	Active	No
10.1.0.0/22	local	Active	No

rtb-006efa000652ab932 / rtb-public-for-task7

Actions

Details [Info](#)

Route table ID
rtb-006efa000652ab932

VPC
vpc-0c7484761af9c590a | vpc-for-task7

Main
Yes

Owner ID
684882578868

Explicit subnet associations
subnet-09858083f988612c5 / subnet-public-for-task7

Edge associations
-

Routes

Subnet associations

Edge associations

Route propagation

Tags

Explicit subnet associations (1)

Edit subnet associations

Find subnet association

< 1 > ⚙

Subnet ID	IPv4 CIDR	IPv6 CIDR
subnet-09858083f988612c5 / subnet-public-for-task7	10.1.2.0/24	-

Теперь сеть выглядит следующим образом:

VPC 10.1.0.0/22

