Створення VPC

vpc-04b14b38e3131c2b9 / dmytro-vashchuk-vpc

Actions ▼

Details Info

VPC ID	State	DNS hostnames	DNS resolution
vpc-04b14b38e3131c2b9	⊘ Available	Disabled	Enabled
Tenancy	DHCP option set	Main route table	Main network ACL
Default	dopt-015c3def4ceb55ac4	rtb-0d7adcfdb47a56baf	acl-08ca99eb15c0cbb79
Default VPC	IPv4 CIDR	IPv6 pool	IPv6 CIDR (Network border group)
No	10.2.0.0/16	–	–
Network Address Usage metrics	Route 53 Resolver DNS Firewall rule groups	Owner ID	
Disabled	⊗ Failed to load rule groups	746669199028	

Resource map | CIDRs | Flow logs | Tags | Integrations

Resource map Info

VPC Show details	Subnets (6)	Route tables (3)	Network connections (2)
Your AWS virtual network	Subnets within this VPC	Route network traffic to resources	Connections to other networks
dmytro-vashchuk-vpc	**us-east-1a**	dmytro-vashchuk-rt-private	dmytro-vashchuk-igw
	Ⓐ dmytro-vashchuk-public-subnet-a	rtb-0d7adcfdb47a56baf	dmytro-vashchuk-nat
	Ⓐ dmytro-vashchuk-private-subnet-a	dmytro-vashchuk-rt-public	
	us-east-1b		
	Ⓑ dmytro-vashchuk-public-subnet-b		
	Ⓑ dmytro-vashchuk-private-subnet-b		
	us-east-1c		
	Ⓒ dmytro-vashchuk-public-subnet-c		
	Ⓒ dmytro-vashchuk-private-subnet-c		

Публічна та приватна підмережі

Subnets (1/6) Info

Find resources by attribute or tag

	Name	Subnet ID	State	VPC ▲	IPv4 CIDR
☑	dmytro-vashchuk-public-subnet-b	subnet-047be033a741d011c	⊘ Available	vpc-04b14b38e3131c2b9 | dmy...	10.2.128.0/19
☐	dmytro-vashchuk-private-subnet-a	subnet-08be736162dfa0a92	⊘ Available	vpc-04b14b38e3131c2b9 | dmy...	10.2.0.0/19
☐	dmytro-vashchuk-private-subnet-c	subnet-099744b5eabf24f9d	⊘ Available	vpc-04b14b38e3131c2b9 | dmy...	10.2.64.0/19
☐	dmytro-vashchuk-public-subnet-c	subnet-0c03fb4af07bcb08c	⊘ Available	vpc-04b14b38e3131c2b9 | dmy...	10.2.160.0/19
☐	dmytro-vashchuk-public-subnet-a	subnet-0e95f1989124a5ed0	⊘ Available	vpc-04b14b38e3131c2b9 | dmy...	10.2.96.0/19
☐	dmytro-vashchuk-private-subnet-b	subnet-0edd5349f84981dfa	⊘ Available	vpc-04b14b38e3131c2b9 | dmy...	10.2.32.0/19

Route Table

Route tables (4) Info

Last updated less than a minute ago

Find resources by attribute or tag

	Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VPC	Owner ID
☐	–	rtb-0d4f0ef9c7cb979ab	–	–	Yes	vpc-02db7ca0eae4fb4e8	746669199028
☐	dmytro-vashchuk-rt-private	rtb-07609283725ea0570	3 subnets	–	No	vpc-04b14b38e3131c2b9 | dmytro-vashchuk-vpc	746669199028
☐	–	rtb-0d7adcfdb47a56baf	–	–	Yes	vpc-04b14b38e3131c2b9 | dmytro-vashchuk-vpc	746669199028
☐	dmytro-vashchuk-rt-public	rtb-09d251c15f45880b0	3 subnets	–	No	vpc-04b14b38e3131c2b9 | dmytro-vashchuk-vpc	746669199028

Internet Gateways

Internet gateways (2) Info

Search

	Name	Internet gateway ID	State	VPC ID	Owner
☐	–	igw-04fbd75ab48a43d93	⊘ Attached	vpc-02db7ca0eae4fb4e8	746669199028
☐	dmytro-vashchuk-igw	igw-0706340df5a69f3bc	⊘ Attached	vpc-04b14b38e3131c2b9 | dmytro-vas...	746669199028

Elastic IP address

Elastic IP addresses (1)

Actions ▼

Find resources by attribute or tag

	Name	Allocated IPv4 addr...	Type	Allocation ID	Reverse DNS record	Associated instance ID	Private IP address
☐	–	18.211.99.191	Public IP	eipalloc-0924aacddcb20eb07	–	–	10.2.114.238

NAT Gateways

NAT gateways (1/1) Info

	Name	▽	NAT gateway ID	▽	Connectivity...	▽	State	▽	State message	▽	Primary public I...	▽	Primary private I...	▽	Primary network...
●	dmytro-vashchuk-nat		nat-00e2350eddc2273cd		Public		⊘ Available		–		18.211.99.191		10.2.114.238		eni-0eea6306172c6...

Створення EC2 Instances (Private-EC2) із приватною підмережою

Instances (1/2) Info · Last updated 24 minutes ago · Connect · Instance state ▼ · Actions ▼ · Launch instances ▼

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6 IPs
☑	Private-EC2	i-0bef67d34f453bf78	⊘ Running ⊕ ⊖	t2.micro	⊘ 2/2 checks passec	View alarms +	us-east-1a	–	–	–	–
☐	Public-EC2	i-0fc214bc96e5c668b	⊘ Running ⊕ ⊖	t2.micro	⊘ 2/2 checks passec	View alarms +	us-east-1a	–	44.202.136.11	–	–

i-0bef67d34f453bf78 (Private-EC2)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

▼ **Instance summary** Info

Instance ID
⎘ i-0bef67d34f453bf78

Public IPv4 address
–

Private IPv4 addresses
⎘ 10.2.23.57

IPv6 address
–

Instance state
⊘ Running

Public IPv4 DNS
–

Hostname type
IP name: ip-10-2-23-57.ec2.internal

Private IP DNS name (IPv4 only)
⎘ ip-10-2-23-57.ec2.internal

Answer private resource DNS name
–

Instance type
t2.micro

Elastic IP addresses
–

Auto-assigned IP address
–

VPC ID
⎘ vpc-04b14b38e3131c2b9 (dmytro-vashchuk-vpc) [↗]

AWS Compute Optimizer finding
⊗
User: arn:aws:iam::746669199028:user/dimonchik06@gmail.com is not authorize to perfo rm: compute-optimizer:GetEnrollmentStatus on resource: * because no identity-based polic y allows the compute-optimizer:GetEnrollmentStatus action
Retry

IAM Role
–

Subnet ID
⎘ subnet-08be736162dfa0a92 (dmytro-vashchuk-private-subnet-a) [↗]

Auto Scaling Group name
–

Створення EC2 Instances (Public-EC2) із публічною підмережою

Instances (1/2) Info · Last updated 23 minutes ago · Connect · Instance state ▼ · Actions ▼ · Launch instances ▼

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP	IPv6 IPs	M
☐	Private-EC2	i-0bef67d34f453bf78	⊘ Running ⊕ ⊖	t2.micro	⊘ 2/2 checks passec	View alarms +	us-east-1a	–	–	–	–	di
☑	Public-EC2	i-0fc214bc96e5c668b	⊘ Running ⊕ ⊖	t2.micro	⊘ 2/2 checks passec	View alarms +	us-east-1a	–	44.202.136.11	–	–	di

i-0fc214bc96e5c668b (Public-EC2)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

▼ **Instance summary** Info

Instance ID
⎘ i-0fc214bc96e5c668b

Public IPv4 address
⎘ 44.202.136.11 | open address [↗]

Private IPv4 addresses
⎘ 10.2.126.145

IPv6 address
–

Instance state
⊘ Running

Public IPv4 DNS
–

Hostname type
IP name: ip-10-2-126-145.ec2.internal

Private IP DNS name (IPv4 only)
⎘ ip-10-2-126-145.ec2.internal

Answer private resource DNS name
–

Instance type
t2.micro

Elastic IP addresses
–

Auto-assigned IP address
⎘ 44.202.136.11 [Public IP]

VPC ID
⎘ vpc-04b14b38e3131c2b9 (dmytro-vashchuk-vpc) [↗]

AWS Compute Optimizer finding
⊗
User: arn:aws:iam::746669199028:user/dimonchik06@gmail.com is not authorized to perfo rm: compute-optimizer:GetEnrollmentStatus on resource: * because no identity-based polic y allows the compute-optimizer:GetEnrollmentStatus action
Retry

IAM Role
–

Subnet ID
⎘ subnet-0e95f1989124a5ed0 (dmytro-vashchuk-public-subnet-a) [↗]

Auto Scaling Group name
–

Підключення до Public-EC2 з хостової машини

```
dmytro@ubuntuserver:~$ chmod 400 /home/dmytro/MyKeyPair.pem
dmytro@ubuntuserver:~$ ssh -v -i /home/dmytro/MyKeyPair.pem ubuntu@44.202.136.11
OpenSSH_9.6p1 Ubuntu-3ubuntu13.5, OpenSSL 3.0.13 30 Jan 2024
debug1: Reading configuration data /etc/ssh/ssh_config
debug1: /etc/ssh/ssh_config line 19: include /etc/ssh/ssh_config.d/*.conf matched no files
debug1: /etc/ssh/ssh_config line 21: Applying options for *
debug1: Connecting to 44.202.136.11 [44.202.136.11] port 22.
debug1: Connection established.
debug1: identity file /home/dmytro/MyKeyPair.pem type -1
debug1: identity file /home/dmytro/MyKeyPair.pem-cert type -1
debug1: Local version string SSH-2.0-OpenSSH_9.6p1 Ubuntu-3ubuntu13.5
debug1: Remote protocol version 2.0, remote software version OpenSSH_9.6p1 Ubuntu-3ubuntu13.5
debug1: compat_banner: match: OpenSSH_9.6p1 Ubuntu-3ubuntu13.5 pat OpenSSH* compat 0x04000000
debug1: Authenticating to 44.202.136.11:22 as 'ubuntu'
```

```
Adding new key for 44.202.136.11 to /home/dmytro/.ssh/known_hosts: ssh-rsa SHA256:5otMnXsh0uDCx90hGzc1gqC7rPRldcbjey5evaoEgJY
Adding new key for 44.202.136.11 to /home/dmytro/.ssh/known_hosts: ecdsa-sha2-nistp256 SHA256:oSmx49fdF/rfCb0dW3vlXo1bh+6eUoek5UiLyVfSX6c
debug1: update_known_hosts: known hosts file /home/dmytro/.ssh/known_hosts2 does not exist
debug1: pledge: fork
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-1016-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

 System information as of Mon Oct 21 20:33:58 UTC 2024

  System load:  0.14              Processes:            106
  Usage of /:   22.9% of 6.71GB   Users logged in:      0
  Memory usage: 20%               IPv4 address for enX0: 10.2.126.145
  Swap usage:   0%

ubuntu@ip-10-2-126-145:~$ ssh -v -i /home/dmytro/MyKeyPair.pem ubuntu@10.2.23.57
```

Примітка: *Перед підключенням до Public-EC2, із хостової машини на Ubuntu був перекинутий файл MyKeyPair.pem після чого надані йому відповідні права*

Підключення до Private-EC2 з Public-EC2

```
ubuntu@ip-10-2-126-145:~$ ssh -v -i /home/dmytro/MyKeyPair.pem ubuntu@10.2.23.57
Warning: Identity file /home/dmytro/MyKeyPair.pem not accessible: No such file or directory.
OpenSSH_9.6p1 Ubuntu-3ubuntu13.5, OpenSSL 3.0.13 30 Jan 2024
debug1: Reading configuration data /etc/ssh/ssh_config
debug1: /etc/ssh/ssh_config line 19: include /etc/ssh/ssh_config.d/*.conf matched no files
debug1: /etc/ssh/ssh_config line 21: Applying options for *
debug1: Connecting to 10.2.23.57 [10.2.23.57] port 22.
debug1: Connection established.
```

```
ubuntu@ip-10-2-126-145:~$ ssh -i /home/ubuntu/MyKeyPair.pem ubuntu@10.2.23.57
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 6.8.0-1016-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/pro

 System information as of Mon Oct 21 20:52:42 UTC 2024

  System load:  0.08              Processes:            104
  Usage of /:   22.8% of 6.71GB   Users logged in:      0
  Memory usage: 19%               IPv4 address for enX0: 10.2.23.57
  Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status


The list of available updates is more than a week old.
To check for new updates run: sudo apt update


The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@ip-10-2-23-57:~$ ping -c 4 google.com
```

Пінгуємо сайт google

```
ubuntu@ip-10-2-23-57:~$ ping -c 4 google.com
PING google.com (142.251.179.100) 56(84) bytes of data.
64 bytes from pd-in-f100.1e100.net (142.251.179.100): icmp_seq=1 ttl=57 time=2.29 ms
64 bytes from pd-in-f100.1e100.net (142.251.179.100): icmp_seq=2 ttl=57 time=1.92 ms
64 bytes from pd-in-f100.1e100.net (142.251.179.100): icmp_seq=3 ttl=57 time=2.30 ms

^C--- google.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2004ms
rtt min/avg/max/mdev = 1.924/2.171/2.298/0.174 ms
```

Для тесту запустимо оновлення

```
ubuntu@ip-10-2-23-57:~$ sudo apt update
Hit:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get:6 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [431 kB]
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe Translation-en [5982 kB]
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 c-n-f Metadata [301 kB]
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Packages [269 kB]
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse Translation-en [118 kB]
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 Components [35.0 kB]
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble/multiverse amd64 c-n-f Metadata [8328 B]
Get:14 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [597 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [92.7 kB]
Get:16 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main Translation-en [146 kB]
Get:17 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [114 kB]
Get:18 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/main amd64 c-n-f Metadata [10.2 kB]
Get:19 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [705 kB]
Get:20 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [209 kB]
Get:21 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [7184 B]
Get:22 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [5788 B]
Get:23 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [306 kB]
Get:24 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [553 kB]
Get:25 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/universe amd64 c-n-f Metadata [19.8
Get:26 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Packages [388 kB]
Get:27 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted Translation-en [74.8 kB]
Get:28 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:29 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [14.7 kB]
Get:30 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse Translation-en [3820 B]
Get:31 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:32 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 c-n-f Metadata [55
Get:33 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]
Get:34 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/main amd64 c-n-f Metadata [112 B]
Get:35 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Packages [10.6 kB]
Get:36 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe Translation-en [10.8 kB]
Get:37 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [21.2 k
Get:38 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/universe amd64 c-n-f Metadata [11
Get:39 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [212
Get:40 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 c-n-f Metadata [
Get:41 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212
Get:42 http://us-east-1.ec2.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 c-n-f Metadata [
Get:43 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [147 kB]
Get:44 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [51.9 kB]
Get:45 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [13.5 kB]
Get:46 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [388 kB]
Get:47 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [74.8 kB]
Get:48 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:49 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [10.9 kB]
Get:50 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [2808 B]
Get:51 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]
Get:52 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 c-n-f Metadata [344 B]
Fetched 30.4 MB in 5s (6579 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
26 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-10-2-23-57:~$
```