

Screenshots of created Resources

EC2 private ->

Instances (1/3) Info

Find Instance by attribute or tag (case-sensitive)

All states

< 1 >

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4
<input checked="" type="checkbox"/>	devops-assign...	i-06c259dc80d06c239	Running	t3.micro	3/3 checks passec	View alarms +	eu-north-1a	-
<input type="checkbox"/>	My-app	i-0d5d5fa0d23a57391	Running	t3.micro	3/3 checks passec	View alarms +	eu-north-1b	ec2-51-21-1
<input type="checkbox"/>	devops-assign...	i-0d7aacdd9a2e1d5ec	Running	t3.micro	3/3 checks passec	View alarms +	eu-north-1b	-

i-06c259dc80d06c239 (devops-assignment-asg-instance)

Details

Status and alarms

Monitoring

Security

Networking

Storage

Tags

▼ Instance summary Info

Instance ID

i-06c259dc80d06c239

IPv6 address

-

Public IPv4 address

-

Instance state

Running

Private IPv4 addresses

10.0.11.69

Public DNS

-

ALB ->

devops-assignment-alb

▼ Details

Load balancer type

Application

Status

Active

VPC

vpc-0e4965095231dea2c

Load balancer IP address type

IPv4

Scheme

Internet-facing

Hosted zone

Z23TAZ6LKFMNIO

Availability Zones

subnet-0e984ebdc1f7d71f9 eu-north-1a (eun1-az1)
subnet-0ae1cc171607762d7 eu-north-1b (eun1-az2)

Date created

December 5, 2025, 18:16 (UTC+05:30)

Load balancer ARN

arn:aws:elasticloadbalancing:eu-north-1:496577769231:loadbalancer/app/devops-assignment-alb/dd0f9aa09297ce99

DNS name Info

devops-assignment-alb-1173340082.eu-north-1.elb.amazonaws.com (A Record)

Targeted Group->

devops-assignment-tg

Actions

Details

arn:aws:elasticloadbalancing:eu-north-1:496577769231:targetgroup/devops-assignment-tg/bdfcac36316c5e68

Target type

Instance

Protocol : Port

HTTP: 8080

Protocol version

HTTP1

VPC

vpc-0e4965095231dea2c

IP address type

IPv4

Load balancer

devops-assignment-alb

2

2

0

0

0

0

Total targets

Healthy

Unhealthy

Unused

Initial

Draining

0 Anomalous

Distribution of targets by Availability Zone (AZ)

Select values in this table to see corresponding filters applied to the Registered targets table below.

Targets

Monitoring

Health checks

Attributes

Tags

Auto scaling->

Auto Scaling groups (1/1)

Last updated less than a minute ago

Launch configurations

Launch templates

Actions

Create Auto Scaling group

Search your Auto Scaling groups

< 1 >

☒

Name

Launch template/configuration

Instances

Status

Desired capacity

Min

Max

☒

devops-assignment-asg

devops-assignment-lt-20251205122155f

2

-

2

2

4

Auto Scaling group: devops-assignment-asg

Settings

Filter instances

< 1 >

☐

Instance ID

Lifecycle

Instance ...

Weighte...

Launch t...

Availabili...

Health st...

Protect...

☐

i-06c259dc80d06c239

InService

t3.micro

-

devops-assignme

eun1-az1 (e...

Healthy

☐

i-0d7aacdd9a2e1d5ec

InService

t3.micro

-

devops-assignme

eun1-az2 (e...

Healthy

VPC ->

Your VPCs (2)

Last updated less than a minute ago

Actions

Create VPC

Find VPCs by attribute or tag

< 1 >

☐

Name

VPC ID

State

Encryption c...

Encryption control ...

Block Public...

IPv4

☐

-

vpc-093e1abbe40fa0c46

Available

-

-

Off

172.3

☐

devops-assignment-vpc

vpc-0e4965095231dea2c

Available

-

-

Off

10.0.0

Subnets->

Subnets (7) Info

Last updated 1 minute ago

Actions

Create subnet

Find subnets by attribute or tag

<input type="checkbox"/>	Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR
<input type="checkbox"/>	-	subnet-032f78b39a2558e8c	Available	vpc-093e1abbe40fa0c46	Off	172.31.0.0/20
<input type="checkbox"/>	-	subnet-0af3a1dac2c59aa8b	Available	vpc-093e1abbe40fa0c46	Off	172.31.16.0/2
<input type="checkbox"/>	devops-assignment-private-subnet-1	subnet-00fe22e2575e7c257	Available	vpc-0e4965095231dea2c dev...	Off	10.0.11.0/24
<input type="checkbox"/>	devops-assignment-private-subnet-2	subnet-0f6adae23b8dc45e7	Available	vpc-0e4965095231dea2c dev...	Off	10.0.12.0/24
<input type="checkbox"/>	devops-assignment-public-subnet-1	subnet-0e984ebdc1f7d71f9	Available	vpc-0e4965095231dea2c dev...	Off	10.0.1.0/24
<input type="checkbox"/>	-	subnet-021df52d5f779ec6d	Available	vpc-093e1abbe40fa0c46	Off	172.31.32.0/2
<input type="checkbox"/>	devops-assignment-public-subnet-2	subnet-0ae1cc171607762d7	Available	vpc-0e4965095231dea2c dev...	Off	10.0.2.0/24

Select a subnet

IGW->

Internet gateways (1/2) Info

Actions

Create internet gateway

Find internet gateways by attribute or tag

<input type="checkbox"/>	Name	Internet gateway ID	State	VPC ID	Owner
<input checked="" type="checkbox"/>	devops-assignment-igw	igw-00742a8fde5c667af	Attached	vpc-0e4965095231dea2c devops-assi...	496577769231
<input type="checkbox"/>	-	igw-0644a92c9a8625682	Attached	vpc-093e1abbe40fa0c46	496577769231

igw-00742a8fde5c667af / devops-assignment-igw

Details

Tags

Details

Internet gateway ID

[igw-00742a8fde5c667af](#)

State

Attached

VPC ID

[vpc-0e4965095231dea2c](#) | [devops-assignment-vpc](#)

Owner

[496577769231](#)

NAT Gateway->

NAT gateways (1/1) Info

Actions

Create NAT gateway

Find NAT gateways by attribute or tag

<input type="checkbox"/>	Name	NAT gateway ID	Connectivity...	State	State message	Availability ...	Route table ID	P
<input checked="" type="checkbox"/>	devops-assignment-...	nat-0b94fc468cca288e0	Public	Available	-	Zonal	-	5

nat-0b94fc468cca288e0 / devops-assignment-nat-gateway

Details

NAT gateway ID

[nat-0b94fc468cca288e0](#)

NAT gateway ARN

[arn:aws:ec2:eu-north-1:496577769231:natgateway/nat-0b94fc468cca288e0](#)

VPC

[vpc-0e4965095231dea2c](#) | [devops-assignment-vpc](#)

Connectivity type

Public

Primary public IPv4 address

51.21.12.234

Subnet

[subnet-0e984ebdc1f7d71f9](#) / [devops-assignment-public-subnet-1](#)

State

Available

Primary private IPv4 address

[10.0.1.18](#)

Created

Friday, December 5, 2025 at 17:52:00 GMT+5:30

State message

-

Primary network interface ID

[eni-045d7b426e4fb7921](#)

Deleted

-

Network ACLs->

Network ACLs (1/2) [Info](#)

Q Find Network ACLs by attribute or tag

1

⚙

Name

Network ACL ID

Associated with

Default

VPC ID

Inbound

-

acl-068f86c1d9908f412

3 Subnets

Yes

vpc-093e1abbe40fa0c46

2 Inbound

-

acl-0b3a8a8dbae9b640c

4 Subnets

Yes

vpc-0e4965095231dea2c / devops-assi...

2 Inbound

acl-0b3a8a8dbae9b640c

⚙

▼

Subnet associations (4)

Q Filter subnet associations

1

⚙

Name

Subnet ID

Associated with

Availability Zone

IPv4 CIDR

IPv6 CIDR

devops-assignment-public...

[subnet-0ae1cc1716077...](#)

acl-0b3a8a8dbae9b640c

eu-north-1a (eu-north-1b)

10.0.2.0/24

-

devops-assignment-public...

[subnet-0e984ebdc1f7d...](#)

acl-0b3a8a8dbae9b640c

eu-north-1a (eu-north-1a)

10.0.1.0/24

-

devops-assignment-privat...

[subnet-00fe22e2575e7...](#)

acl-0b3a8a8dbae9b640c

eu-north-1a (eu-north-1a)

10.0.11.0/24

-

devops-assignment-privat...

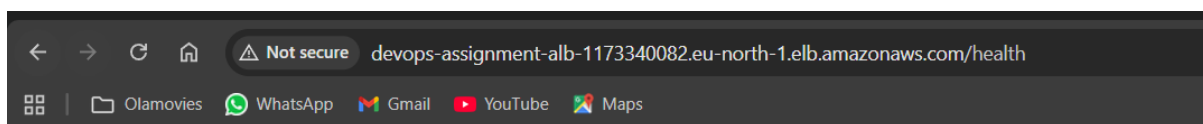
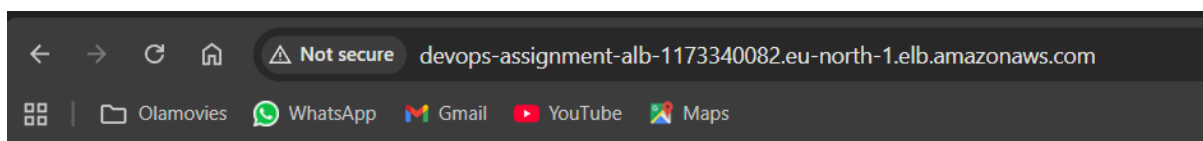
[subnet-0f6adae23b8dc...](#)

acl-0b3a8a8dbae9b640c

eu-north-1a (eu-north-1b)

10.0.12.0/24

-



Testing Script→

```
olly_nfoech@LAPTOP-6BOS2JN5: ~/projects/devops-one-click-deployment
=====
Testing Deployed Application
=====

❏ Testing URL: http://devops-assignment-alb-1173340082.eu-north-1.elb.amazonaws.com

❏ Testing / endpoint...
❏ Root endpoint: PASS (HTTP 200)
Hello from EC2 instance! Server is running.

❏ Testing /health endpoint...
❏ Health endpoint: PASS (HTTP 200, body: ok)

❏ Testing load balancing (making 5 requests)...
Request 1:
Hello from EC2 instance! Server is running....
Request 2:
Hello from EC2 instance! Server is running....
Request 3:
Hello from EC2 instance! Server is running....
Request 4:
Hello from EC2 instance! Server is running....
Request 5:
Hello from EC2 instance! Server is running....

=====
❏ Testing Complete!
=====
olly_nfoech@LAPTOP-6BOS2JN5:~/projects/devops-one-click-deployment$
```

Destroy all resources->

```
olly_nfoech@LAPTOP-6B0S2JN5:~/projects/devops-one-click-deployment$ ./scripts/destroy.sh
=====
DevOps Infrastructure Teardown
=====

⚠ WARNING: This will destroy all resources!

Are you sure you want to destroy all infrastructure? (yes/no): yes

🔧 Destroying infrastructure...
data.aws_availability_zones.available: Reading...
data.aws_ami.amazon_linux_2023: Reading...
aws_vpc.main: Refreshing state... [id=vpc-0e4965095231dea2c]
aws_iam_role.ec2: Refreshing state... [id=devops-assignment-ec2-role]
data.aws_availability_zones.available: Read complete after 1s [id=eu-north-1]
aws_iam_role_policy_attachment.cloudwatch: Refreshing state... [id=devops-assignment-ec2-role-20251205122132133000000001]
aws_iam_instance_profile.ec2: Refreshing state... [id=devops-assignment-ec2-profile]
aws_iam_role_policy_attachment.ssm: Refreshing state... [id=devops-assignment-ec2-role-20251205122132398300000002]
data.aws_ami.amazon_linux_2023: Read complete after 2s [id=ami-02370a60f445b169e]
aws_internet_gateway.main: Refreshing state... [id=igw-00742a8fde5c667af]
aws_subnet.public[0]: Refreshing state... [id=subnet-0e984ebdc1f7d71f9]
aws_subnet.private[0]: Refreshing state... [id=subnet-00fe22e2575e7c257]
aws_subnet.private[1]: Refreshing state... [id=subnet-0f6adae23b8dc45e7]
aws_subnet.public[1]: Refreshing state... [id=subnet-0ae1cc171607762d7]
aws_lb_target_group.main: Refreshing state... [id=arn:aws:elasticloadbalancing:eu-north-1:496577769231:targetgroup/devops-assignment-tg/bdfcac36316c5e68]
aws_security_group.alb: Refreshing state... [id=sg-030ce13ae6b3bd2d9]
aws_eip.nat: Refreshing state... [id=eipalloc-0b9359fd3400b6a38]
aws_route_table.public: Refreshing state... [id=rtb-0f893f24f344a9102]
```