

# Screenshots of created Resources

EC2 private ->

The screenshot shows the AWS EC2 Instances page with the following details:

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

Below the table, the details for instance i-06c259dc80d06c239 are shown:

Details	Status and alarms	Monitoring	Security	Networking	Storage	Tags
<b>Instance summary</b>						
Instance ID i-06c259dc80d06c239	Public IPv4 address -	Private IPv4 addresses 10.0.11.69				
IPv6 address -	Instance state Running	Public DNS -				

ALB ->

The screenshot shows the AWS ALB configuration page for the load balancer devops-assignment-alb:

Load balancer type	Status	VPC	Load balancer IP address type
Application	Active	vpc-0e4965095231dea2c ↗	IPv4
Internet-facing		Availability Zones	Date created
		subnet-0e984ebdc1f7d71f9 ↗ eu-north-1a (eun1-az1)	December 5, 2025, 18:16 (UTC+05:30)
		subnet-0ae1cc171607762d7 ↗ eu-north-1b (eun1-az2)	
Load balancer ARN	DNS name		
arn:aws:elasticloadbalancing:eu-north-1:496577769231:loadbalancer/app/devops-assignment-alb/dd0f9aa09297ce99	devops-assignment-alb-1173340082.eu-north-1.elb.amazonaws.com (A Record)		

Targed Group->

**devops-assignment-tg**

**Details**

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

Target type Instance	Protocol : Port HTTP: 8080	Protocol version HTTP1	VPC <a href="#">vpc-0e4965095231dea2c</a>
IP address type IPv4	Load balancer <a href="#">devops-assignment-alb</a>		
2 Total targets	<span style="color: green;">2</span> Healthy	<span style="color: red;">0</span> Unhealthy	<span style="color: gray;">0</span> Unused
	<span style="color: gray;">0</span> Anomalous	<span style="color: gray;">0</span> Initial	<span style="color: gray;">0</span> Draining

► **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) [Info](#)**   Last updated [less than a minute ago](#)   [Launch configurations](#)   [Launch templates](#)   [Actions](#)   [Create Auto Scaling group](#)

[Search your Auto Scaling groups](#)

<input checked="" type="checkbox"/> Name	Launch template/configuration	Instances	Status	Desired capacity	Min	Max
<a href="#">devops-assignment-asg</a>	<a href="#">devops-assignment-lt-20251205122155f</a>	2	-	2	2	4

**Auto Scaling group: devops-assignment-asg**

[Filter instances](#)

<input type="checkbox"/> Instance ID	Lifecycle	Instance ...	Weighted...	Launch t...	Availabil...	Health st...	Protect...
<a href="#">i-06c259dc80d06c239</a>	InService	t3.micro	-	<a href="#">devops-assignme</a>	eun1-az1 (e...)	<span style="color: green;">Healthy</span>	
<a href="#">i-0d7aacdd9a2e1d5ec</a>	InService	t3.micro	-	<a href="#">devops-assignme</a>	eun1-az2 (e...)	<span style="color: green;">Healthy</span>	

## VPC ->

**Your VPCs (2) [Info](#)**   Last updated [less than a minute ago](#)   [Actions](#)   [Create VPC](#)

[Find VPCs by attribute or tag](#)

<input type="checkbox"/> Name	VPC ID	State	Encryption c...	Encryption control...	Block Public...	IPv4 C...
-	<a href="#">vpc-093e1abbe40fa0c46</a>	<span style="color: green;">Available</span>	-	-	<input type="checkbox"/> Off	172.3
<a href="#">devops-assignment-vpc</a>	<a href="#">vpc-0e4965095231dea2c</a>	<span style="color: green;">Available</span>	-	-	<input type="checkbox"/> Off	10.0.0.0/16

## Subnets->

**Subnets (7) [Info](#)**

Last updated 1 minute ago [Actions](#) [Create subnet](#)

<input type="checkbox"/>	Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR
<input type="checkbox"/>	- Ø	subnet-032f78b39a2558e8c	Available	vpc-093e1abbe40fa0c46	Off	172.31.0.0/20
<input type="checkbox"/>	-	subnet-0af3a1dac2c59aa8b	Available	vpc-093e1abbe40fa0c46	Off	172.31.16.0/24
<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-021df52df779ec6d	Available	vpc-093e1abbe40fa0c46	Off	172.31.32.0/24
<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](#)**

[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 <a href="#">igw-00742a8fde5c667af</a>	State <a href="#">Attached</a>	VPC ID <a href="#">vpc-0e4965095231dea2c   devops-assignment-vpc</a>	Owner <a href="#">496577769231</a>
--	-----------------------------------	---	---------------------------------------

## NAT Gateway->

**NAT gateways (1/1) [Info](#)**

[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 <a href="#">nat-0b94fc468cca288e0</a>	Connectivity type Public	State <a href="#">Available</a>	State message -
NAT gateway ARN <a href="#">arn:aws:ec2:eu-north-1:496577769231:natgateway/nat-0b94fc468cca288e0</a>	Primary public IPv4 address <a href="#">51.21.12.234</a>	Primary private IPv4 address <a href="#">10.0.1.18</a>	Primary network interface ID <a href="#">eni-045d7b426e4fb7921</a>
VPC <a href="#">vpc-0e4965095231dea2c   devops-assignment-vpc</a>	Subnet <a href="#">subnet-0e984ebdc1f7d71f9   devops-assignment-public-subnet-1</a>	Created <a href="#">Friday, December 5, 2025 at 17:52:00 GMT+5:30</a>	Deleted -

## Network ACLs->

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

[Find Network ACLs by attribute or tag](#)

Name	Network ACL ID	Associated with	Default	VPC ID	Inbound
-	acl-068f86c1d9908f412	3 Subnets	Yes	vpc-093e1abbe40fa0c46	2 Inbound
<input checked="" type="checkbox"/>	acl-0b3a8a8dbae9b640c	4 Subnets	Yes	vpc-0e4965095231dea2c / devops-assi...	2 Inbound

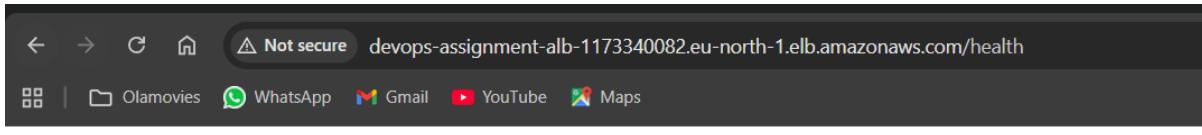
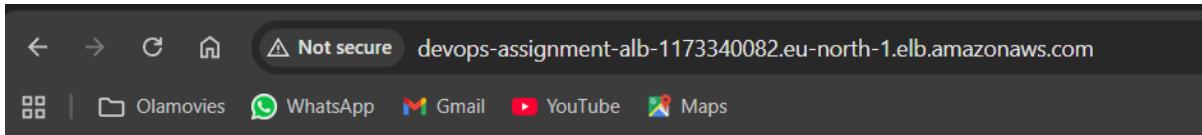
acl-0b3a8a8dbae9b640c

**Subnet associations (4)**

[Edit subnet associations](#)

Name	Subnet ID	Associated with	Availability Zone	IPv4 CIDR	IPv6 CIDR
devops-assignment-public...	subnet-0ae1cc171607...	acl-0b3a8a8dbae9b640c	eun1-az2 (eu-north-1b)	10.0.2.0/24	-
devops-assignment-public...	subnet-0e984ebdc1f7d...	acl-0b3a8a8dbae9b640c	eun1-az1 (eu-north-1a)	10.0.1.0/24	-
devops-assignment-privat...	subnet-00fe22e2575e7...	acl-0b3a8a8dbae9b640c	eun1-az1 (eu-north-1a)	10.0.11.0/24	-
devops-assignment-privat...	subnet-0f6adade23b8dc...	acl-0b3a8a8dbae9b640c	eun1-az2 (eu-north-1b)	10.0.12.0/24	-

## Working URLs of Load Balancers->



# Testing Script→

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

② Testing URL: http://devops-assignment-alb-1173340082.eu-north-1.elb.amazonaws.com
② Testing / endpoint...
② Root endpoint: PASS (HTTP 200)
Hello from EC2 instance! Server is running.

② Testing /health endpoint...
② Health endpoint: PASS (HTTP 200, body: ok)

② 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....

=====
② Testing Complete!
=====
olly_nfoech@LAPTOP-6BOS2JN5:~/projects/devops-one-click-deployment$
```

Destroy all resources->

```
olly_nfoech@LAPTOP-6B0S2JNS:~/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/devop
s-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]
```