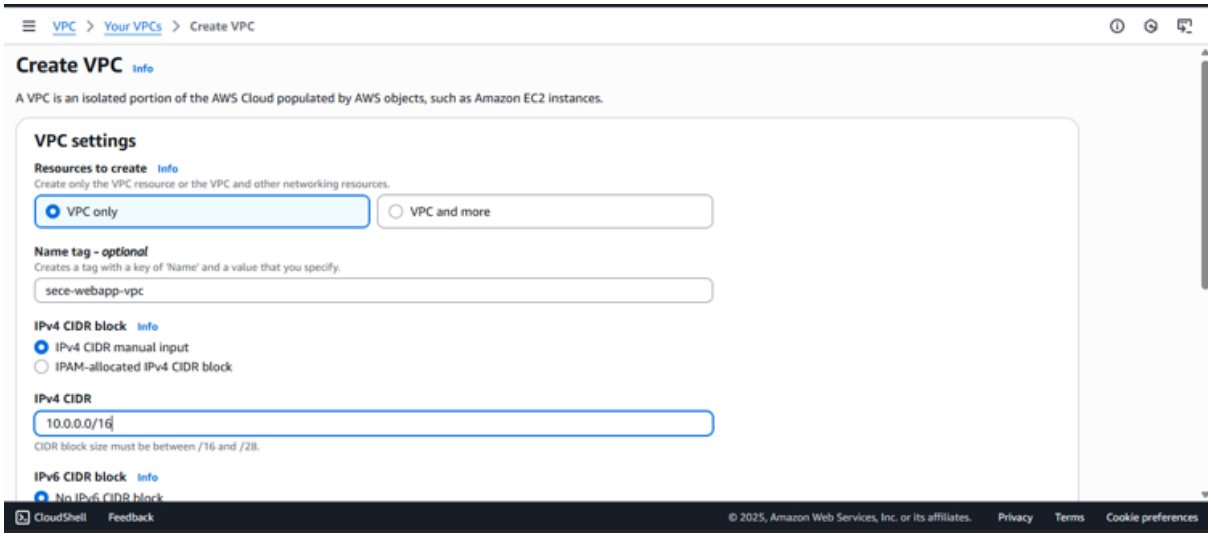
VPC > Your VPCs > Create VPC
Create VPC Info
A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances.
VPC settings
Resources to create Info
Create only the VPC resource or the VPC and other networking resources.
VPC only
VPC and more
Name tag - optional
Creates a tag with a key of 'Name' and a value that you specify.
sece-webapp-vpc
IPv4 CIDR block Info
IPv4 CIDR manual input
IPAM-allocated IPv4 CIDR block
IPv4 CIDR
10.0.0.0/16
CIDR block size must be between /16 and /28.
IPv6 CIDR block Info
CloudShell
Feedback
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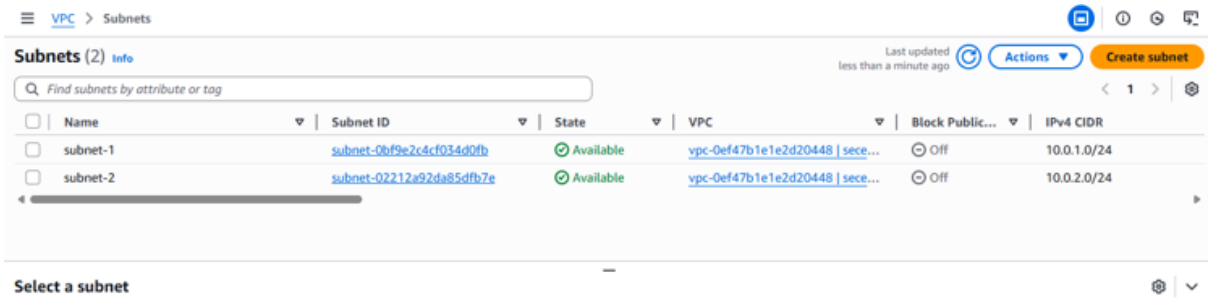
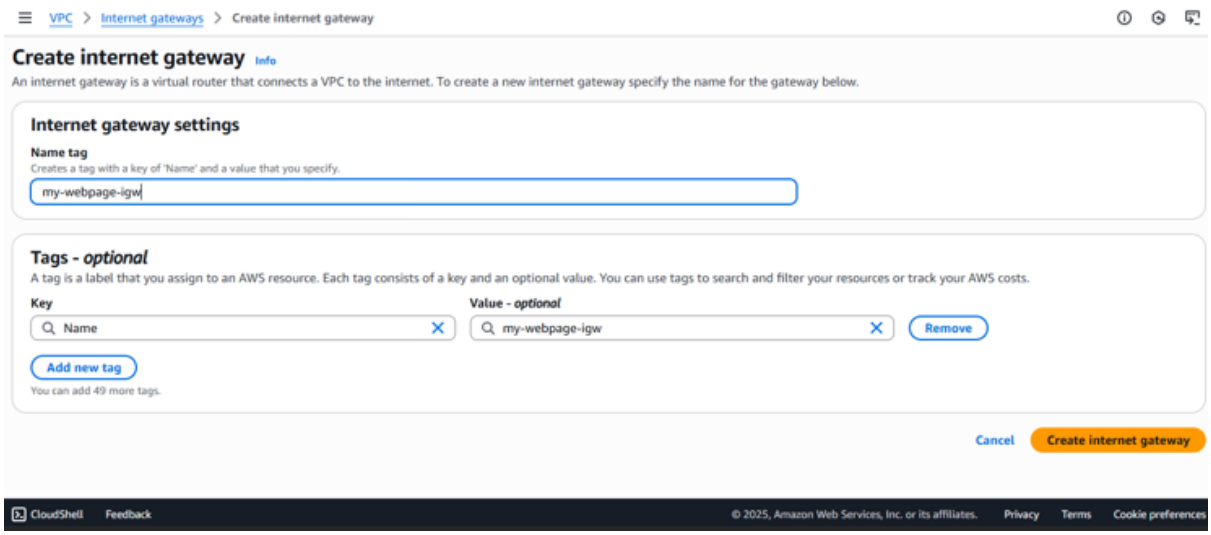

VPC > Subnets
Subnets (2) Info
Last updated
less than a minute ago
Actions
Create subnet
Find subnets by attribute or tag
Name
Subnet ID
State
VPC
Block Public...
IPv4 CIDR
subnet-1
subnet-0bf9e2c4cf034d0fb
Available
vpc-0ef47b1e1e2d20448 | sece...
Off
10.0.1.0/24
subnet-2
subnet-02212a92da85dfb7e
Available
vpc-0ef47b1e1e2d20448 | sece...
Off
10.0.2.0/24
Select a subnet


VPC > Internet gateways > Create internet gateway
Create internet gateway Info
An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.
Internet gateway settings
Name tag
Creates a tag with a key of 'Name' and a value that you specify.
my-webpage-igw
Tags - optional
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.
Key
Name
Value - optional
my-webpage-igw
Remove
Add new tag
You can add 49 more tags.
Cancel
Create internet gateway
CloudShell
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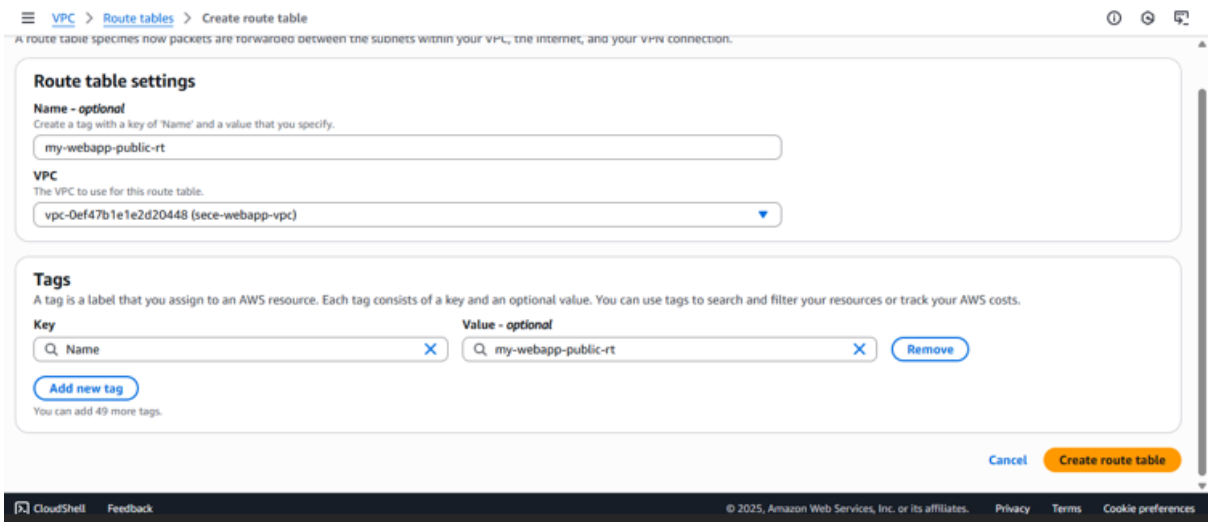
VPC > Route tables > Create route table
Route table settings
Name - optional
Create a tag with a key of 'Name' and a value that you specify.
my-webapp-public-rt
VPC
The VPC to use for this route table.
vpc-0ef47b1e1e2d20448 (sece-webapp-vpc)
Tags
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.
Key
Name
Value - optional
my-webapp-public-rt
Remove
Add new tag
You can add 49 more tags.
Cancel
Create route table
CloudShell
Feedback
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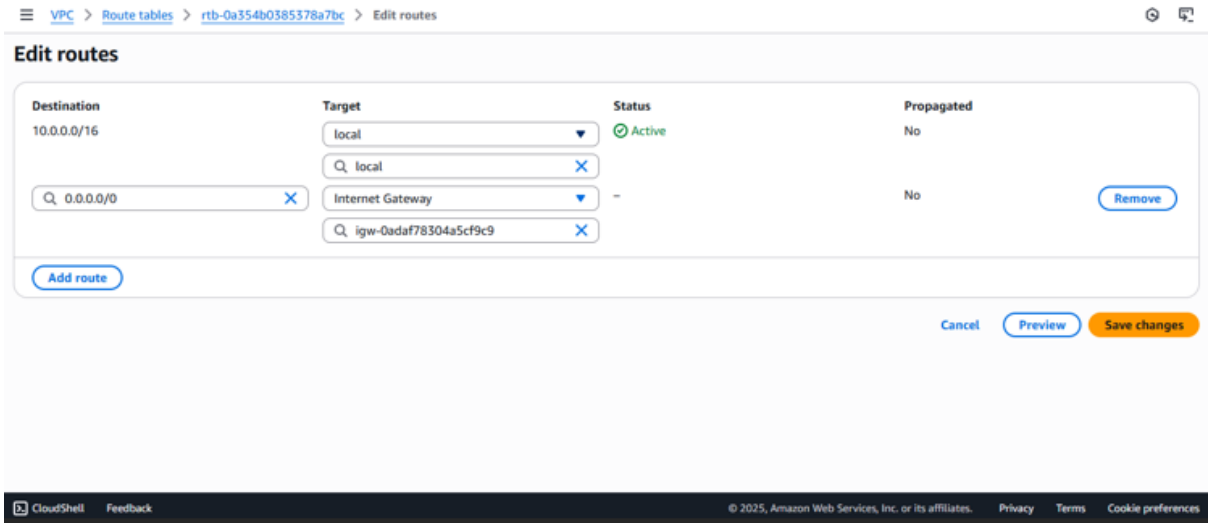
VPC > Route tables > rtb-0a354b0385378a7bc > Edit routes
Edit routes
Destination
Target
Status
Propagated
10.0.0.0/16
local
Active
No
local
0.0.0.0/0
Internet Gateway
–
No
Remove
igw-0adaf78304a5cf9c9
Add route
Cancel
Preview
Save changes
CloudShell
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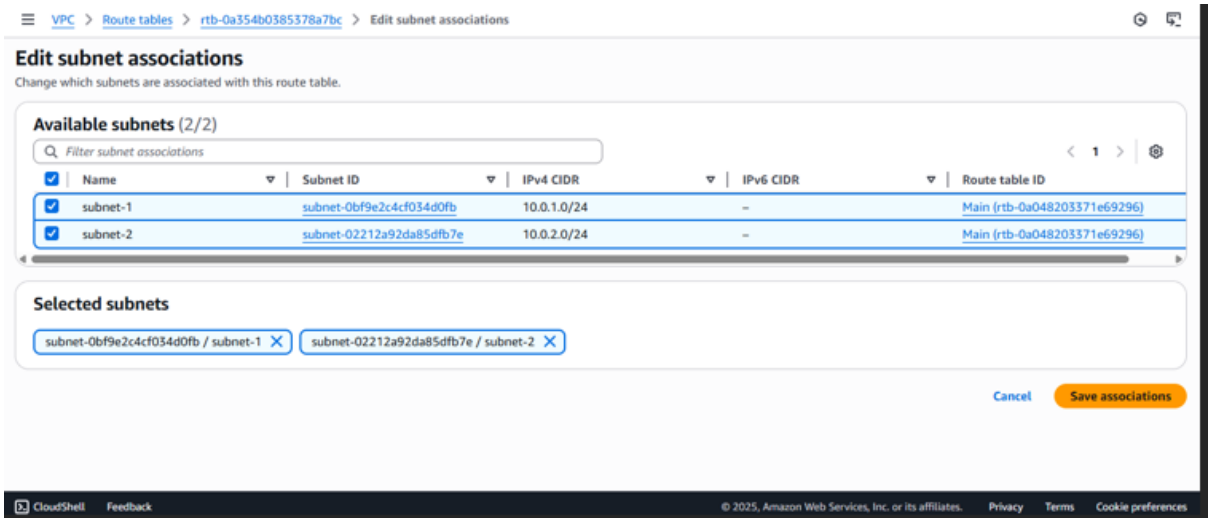
VPC > Route tables > rtb-0a354b0385378a7bc > Edit subnet associations
Edit subnet associations
Change which subnets are associated with this route table.
Available subnets (2/2)
Filter subnet associations
Name
Subnet ID
IPv4 CIDR
IPv6 CIDR
Route table ID
subnet-1
subnet-0bf9e2c4cf034d0fb
10.0.1.0/24
–
Main (rtb-0a048203371e69296)
subnet-2
subnet-02212a92da85dfb7e
10.0.2.0/24
–
Main (rtb-0a048203371e69296)
Selected subnets
subnet-0bf9e2c4cf034d0fb / subnet-1
subnet-02212a92da85dfb7e / subnet-2
Cancel
Save associations
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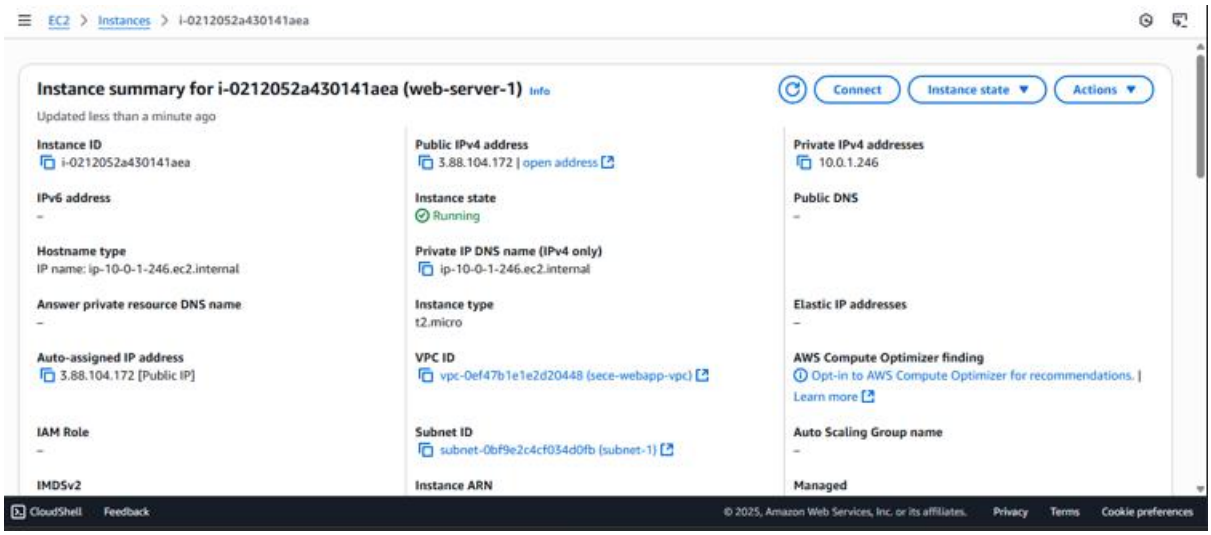
EC2 > Instances > i-0212052a430141aea
Instance summary for i-0212052a430141aea (web-server-1) Info
Updated less than a minute ago
Connect
Instance state
Actions
Instance ID
i-0212052a430141aea
Public IPv4 address
3.88.104.172 | open address
Private IPv4 addresses
10.0.1.246
IPv6 address
–
Instance state
Running
Public DNS
–
Hostname type
IP name: ip-10-0-1-246.ec2.internal
Private IP DNS name (IPv4 only)
ip-10-0-1-246.ec2.internal
Answer private resource DNS name
–
Instance type
t2.micro
Elastic IP addresses
–
Auto-assigned IP address
3.88.104.172 [Public IP]
VPC ID
vpc-0ef47b1e1e2d20448 (sece-webapp-vpc)
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more
IAM Role
–
Subnet ID
subnet-0bf9e2c4cf034d0fb (subnet-1)
Auto Scaling Group name
–
IMDSv2
Instance ARN
Managed
CloudShell
Feedback
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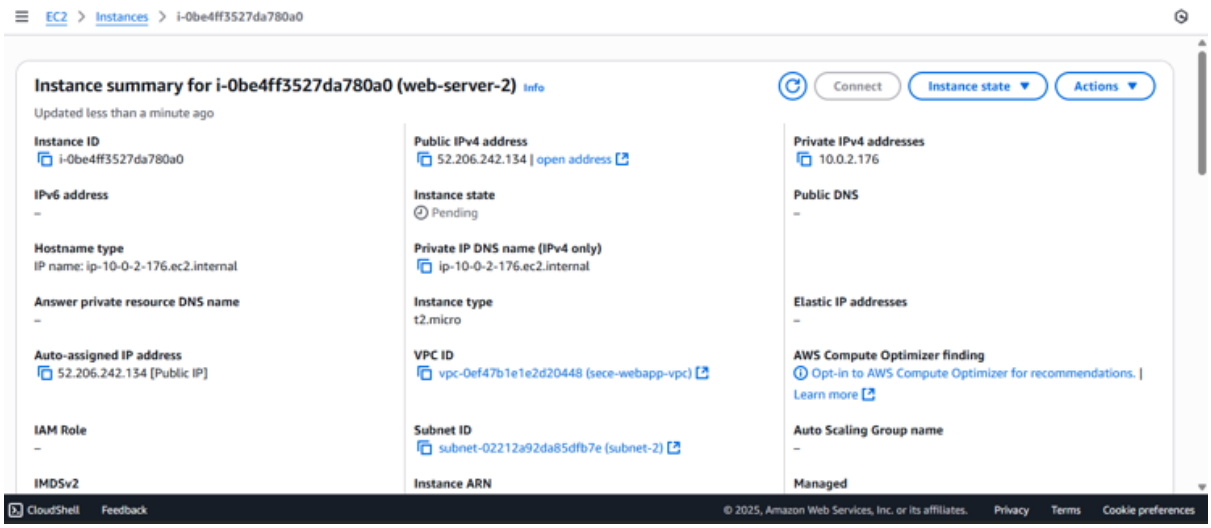
EC2 > Instances > i-0be4ff3527da780a0
Instance summary for i-0be4ff3527da780a0 (web-server-2) Info
Updated less than a minute ago
Connect
Instance state
Actions
Instance ID
i-0be4ff3527da780a0
Public IPv4 address
52.206.242.134 | open address
Private IPv4 addresses
10.0.2.176
IPv6 address
–
Instance state
Pending
Public DNS
–
Hostname type
IP name: ip-10-0-2-176.ec2.internal
Private IP DNS name (IPv4 only)
ip-10-0-2-176.ec2.internal
Answer private resource DNS name
–
Instance type
t2.micro
Elastic IP addresses
–
Auto-assigned IP address
52.206.242.134 [Public IP]
VPC ID
vpc-0ef47b1e1e2d20448 (sece-webapp-vpc)
AWS Compute Optimizer finding
Opt-in to AWS Compute Optimizer for recommendations. | Learn more
IAM Role
–
Subnet ID
subnet-02212a92da85dfb7e (subnet-2)
Auto Scaling Group name
–
IMDSv2
Instance ARN
Managed
CloudShell
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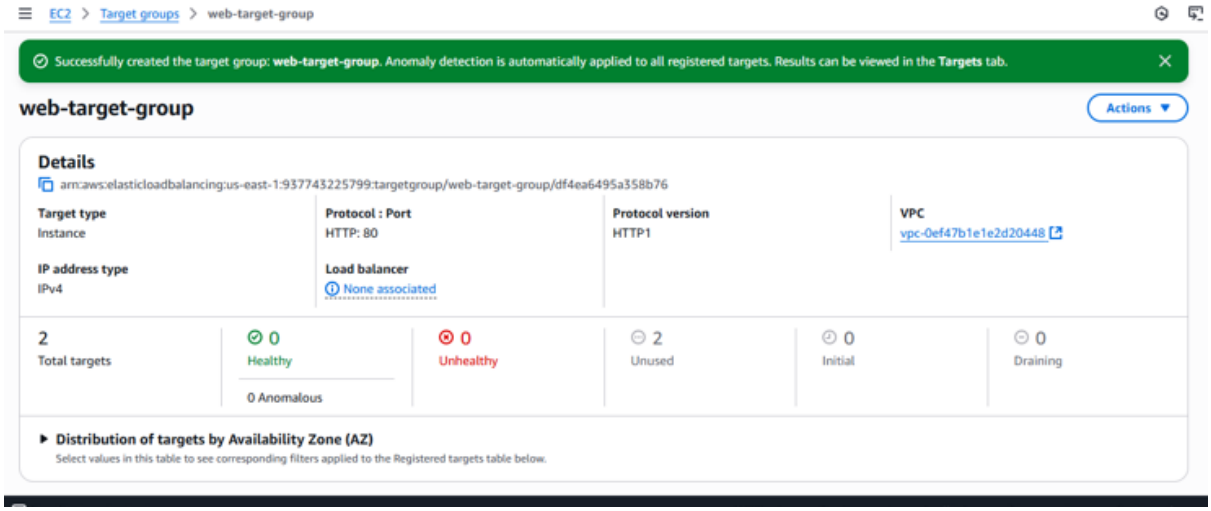
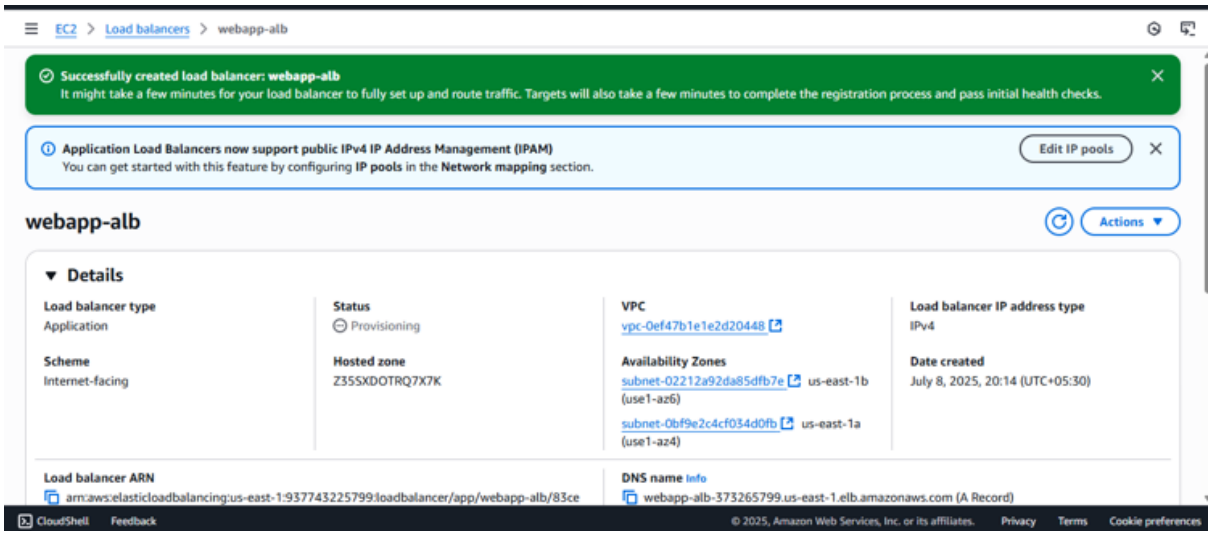

EC2 > Target groups > web-target-group
Successfully created the target group: web-target-group. Anomaly detection is automatically applied to all registered targets. Results can be viewed in the Targets tab.
web-target-group
Actions
Details
arn:aws:elasticloadbalancing:us-east-1:937743225799:targetgroup/web-target-group/df4ea6495a358b76
Target type
Instance
Protocol : Port
HTTP: 80
Protocol version
HTTP1
VPC
vpc-0ef47b1e1e2d20448
IP address type
IPv4
Load balancer
None associated
2
Total targets
0
Healthy
0 Anomalous
0
Unhealthy
2
Unused
0
Initial
0
Draining
Distribution of targets by Availability Zone (AZ)
Select values in this table to see corresponding filters applied to the Registered targets table below.


EC2 > Load balancers > webapp-alb
Successfully created load balancer: webapp-alb
It might take a few minutes for your load balancer to fully set up and route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.
Application Load Balancers now support public IPv4 IP Address Management (IPAM)
You can get started with this feature by configuring IP pools in the Network mapping section.
Edit IP pools
webapp-alb
Actions
Details
Load balancer type
Application
Status
Provisioning
VPC
vpc-0ef47b1e1e2d20448
Load balancer IP address type
IPv4
Scheme
Internet-facing
Hosted zone
Z35SXDOTRQ7X7K
Availability Zones
subnet-02212a92da85dfb7e us-east-1b (use1-az6)
subnet-0bf9e2c4cf034d0fb us-east-1a (use1-az4)
Date created
July 8, 2025, 20:14 (UTC+05:30)
Load balancer ARN
arn:aws:elasticloadbalancing:us-east-1:937743225799:loadbalancer/app/webapp-alb/83ce
DNS name Info
webapp-alb-373265799.us-east-1.elb.amazonaws.com (A Record)
CloudShell
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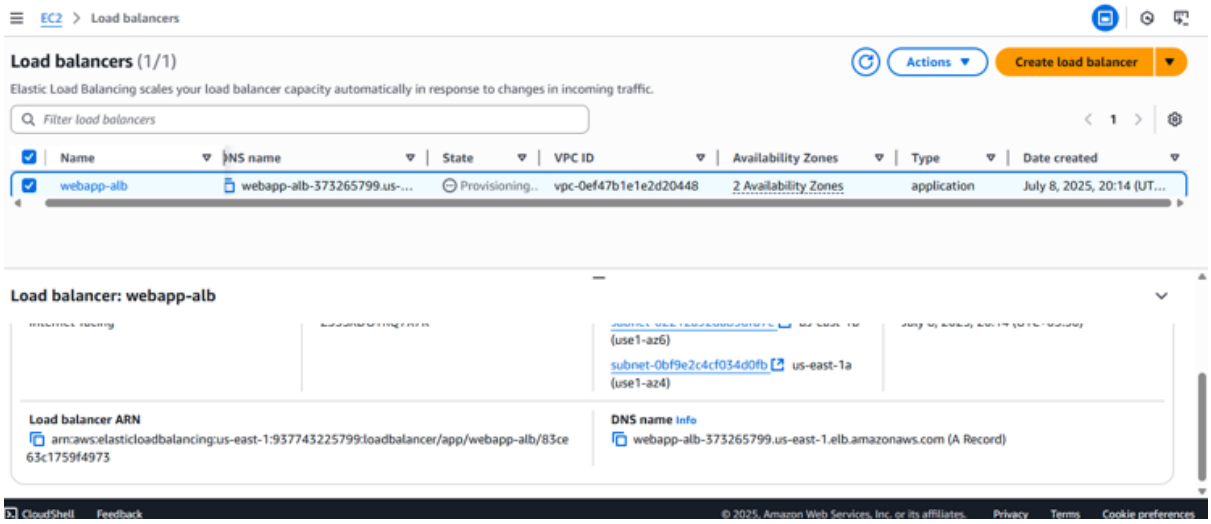



Web Server 1 - ip-10-0-1-246.ec2.internal