1. Choose AMI | 2. Choose Instance Type | **3. Configure Instance** | 4. Add Storage | 5. Add Tags | 6. Configure Security Group | 7. Review

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of instances (i) 3 Launch into Auto Scaling Group (i)

You may want to consider launching these instances into an Auto Scaling Group to help you maintain application availability and for easy scaling in the future. Learn how Auto Scaling can help your application stay healthy and cost effective.

Purchasing option (i) ☐ Request Spot instances

Network (i) vpc-0cfb04a21d8b98edf (default) Create new VPC

Subnet (i) No preference (default subnet in any Availability Zone) Create new subnet

Auto-assign Public IP (i) Use subnet setting (Enable)

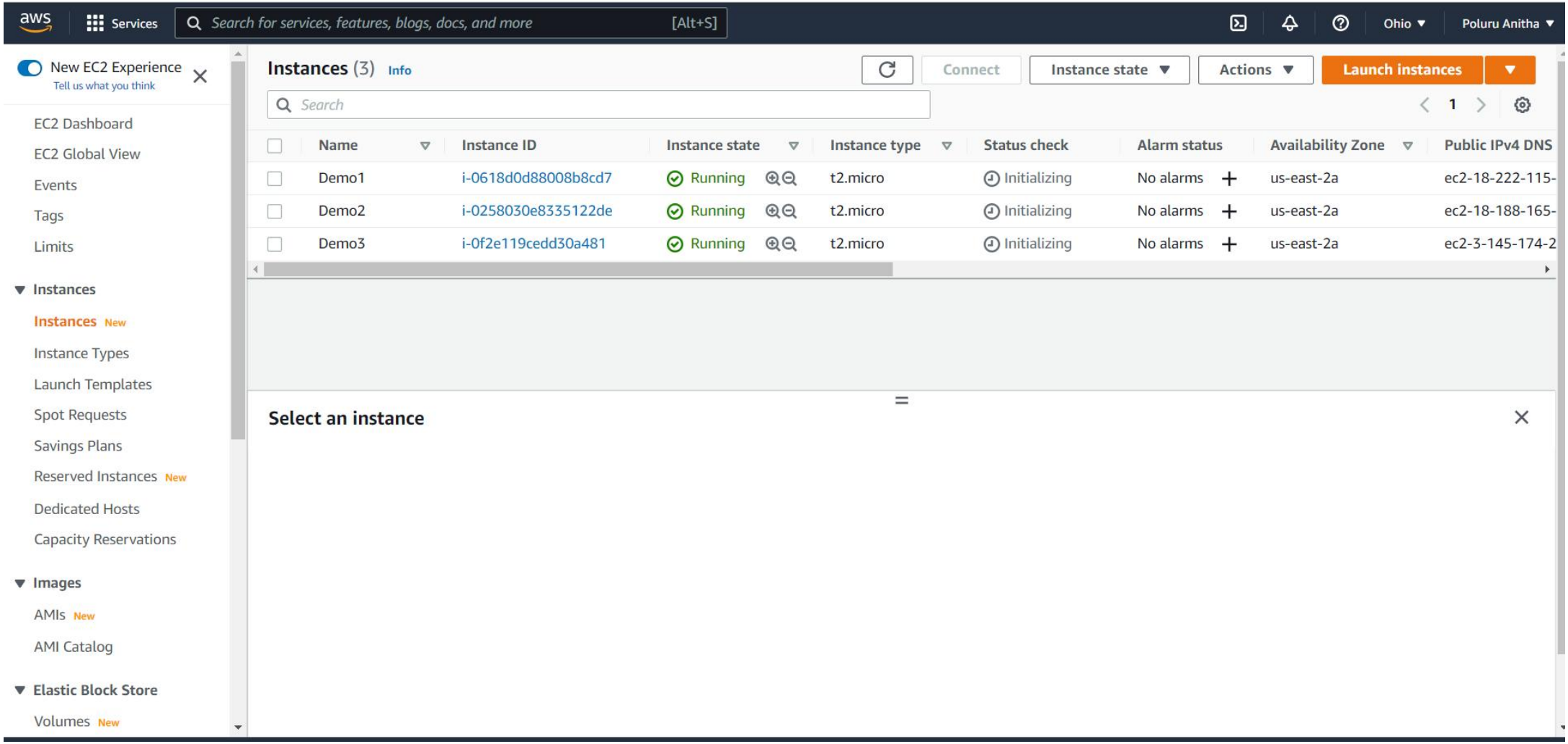
Hostname type (i) Use subnet setting (IP name)

DNS Hostname (i)
- ☑ Enable IP name IPv4 (A record) DNS requests
- ☑ Enable resource-based IPv4 (A record) DNS requests
- ☐ Enable resource-based IPv6 (AAAA record) DNS requests

Placement group (i) ☐ Add instance to placement group

Capacity Reservation (i) Open

Cancel | Previous | **Review and Launch** | Next: Add Storage


aws
Services
Search for services, features, blogs, docs, and more
[Alt+S]
Ohio
Poluru Anitha
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
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Instance Types
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Dedicated Hosts
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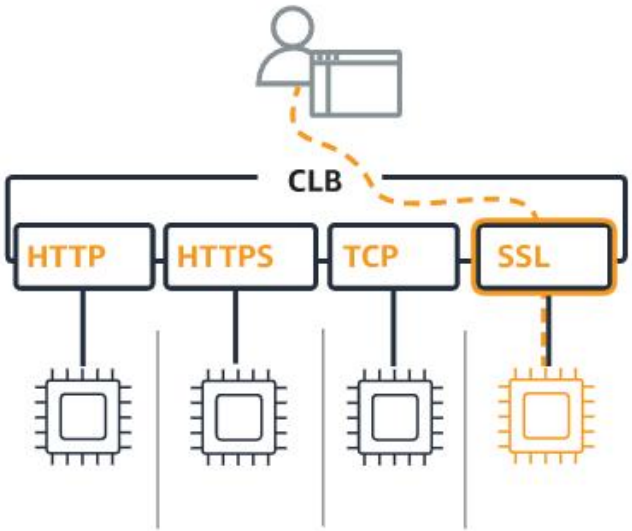
Elastic Block Store
Volumes New
Instances (3) Info
Connect
Instance state
Actions
Launch instances
Search
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
Demo1
i-0618d0d88008b8cd7
Running
t2.micro
Initializing
No alarms
us-east-2a
ec2-18-222-115-
Demo2
i-0258030e8335122de
Running
t2.micro
Initializing
No alarms
us-east-2a
ec2-18-188-165-
Demo3
i-0f2e119cedd30a481
Running
t2.micro
Initializing
No alarms
us-east-2a
ec2-3-145-174-2
Select an instance

▼ Classic Load Balancer - *previous generation*

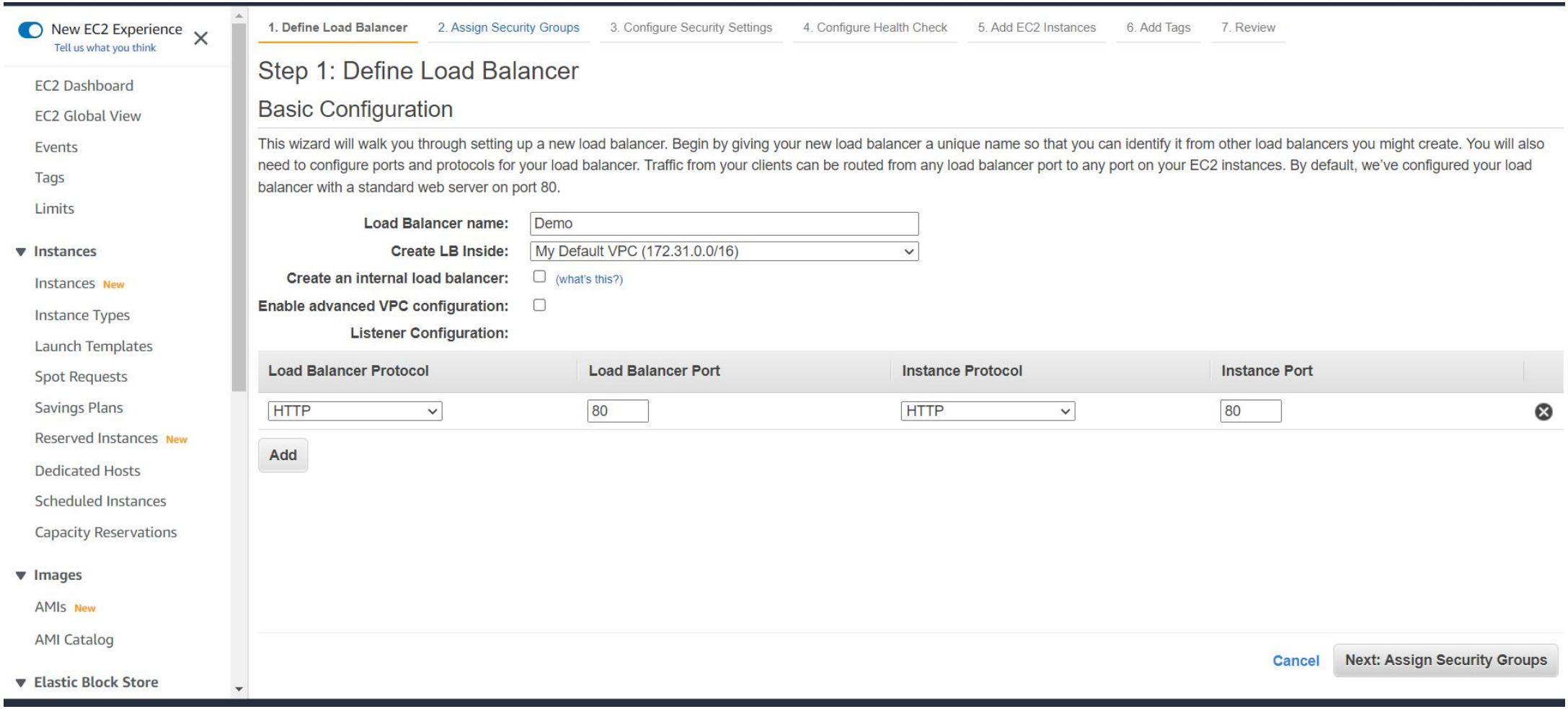
Classic Load Balancer Info



Choose a Classic Load Balancer when you have an existing application running in the EC2-Classic network.

AWS will be retiring the EC2-Classic network on August 15, 2022. Learn more

Create


New EC2 Experience
Tell us what you think
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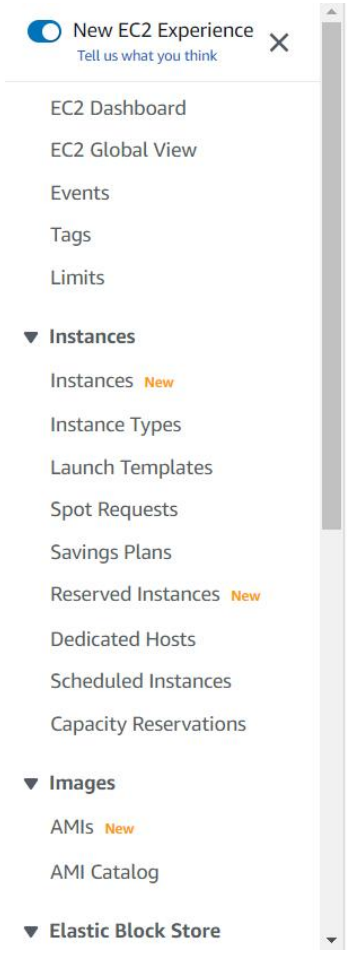
Elastic Block Store
1. Define Load Balancer
2. Assign Security Groups
3. Configure Security Settings
4. Configure Health Check
5. Add EC2 Instances
6. Add Tags
7. Review
Step 1: Define Load Balancer
Basic Configuration
This wizard will walk you through setting up a new load balancer. Begin by giving your new load balancer a unique name so that you can identify it from other load balancers you might create. You will also need to configure ports and protocols for your load balancer. Traffic from your clients can be routed from any load balancer port to any port on your EC2 instances. By default, we've configured your load balancer with a standard web server on port 80.
Load Balancer name:
Demo
Create LB Inside:
My Default VPC (172.31.0.0/16)
Create an internal load balancer:
(what's this?)
Enable advanced VPC configuration:
Listener Configuration:
Load Balancer Protocol
Load Balancer Port
Instance Protocol
Instance Port
HTTP
80
HTTP
80
Add
Cancel
Next: Assign Security Groups



1. Define Load Balancer | **2. Assign Security Groups** | 3. Configure Security Settings | 4. Configure Health Check | 5. Add EC2 Instances | 6. Add Tags | 7. Review

Step 2: Assign Security Groups

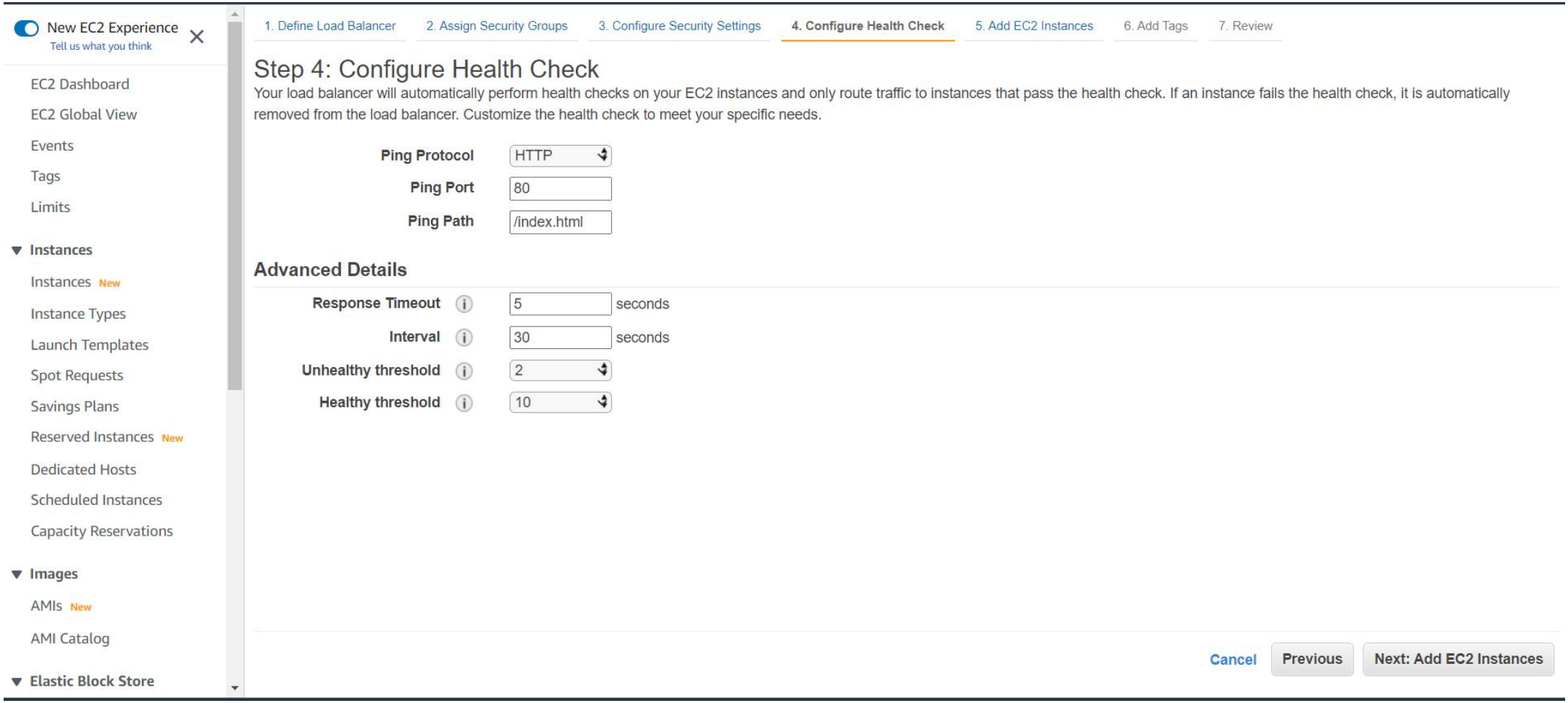
You have selected the option of having your Elastic Load Balancer inside of a VPC, which allows you to assign security groups to your load balancer. Please select the security groups to assign to this load balancer. This can be changed at any time.

Assign a security group:
- ○ Create a **new** security group
- ◉ Select an **existing** security group

Filter: VPC security groups

	Security Group ID	Name	Description	Actions
☐	sg-07521bc76627ec433	AutoScaling-Security-Group-1	AutoScaling-Security-Group-1 (2022-02-11T09:31:01.350Z)	Copy to new
☑	sg-0a8a8759e45859cb4	default	default VPC security group	Copy to new
☐	sg-0440a30b64ea16c01	launch-wizard-1	launch-wizard-1 created 2022-02-11T12:40:47.679+05:30	Copy to new
☐	sg-01a3e9f25a9359e46	launch-wizard-2	launch-wizard-2 created 2022-02-11T12:51:12.677+05:30	Copy to new
☐	sg-0eaeffc68e12897d2	launch-wizard-3	launch-wizard-3 created 2022-02-14T18:48:26.327+05:30	Copy to new

Cancel | Previous | **Next: Configure Security Settings**


New EC2 Experience
Tell us what you think
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Instances New
Instance Types
Launch Templates
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Elastic Block Store
1. Define Load Balancer
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4. Configure Health Check
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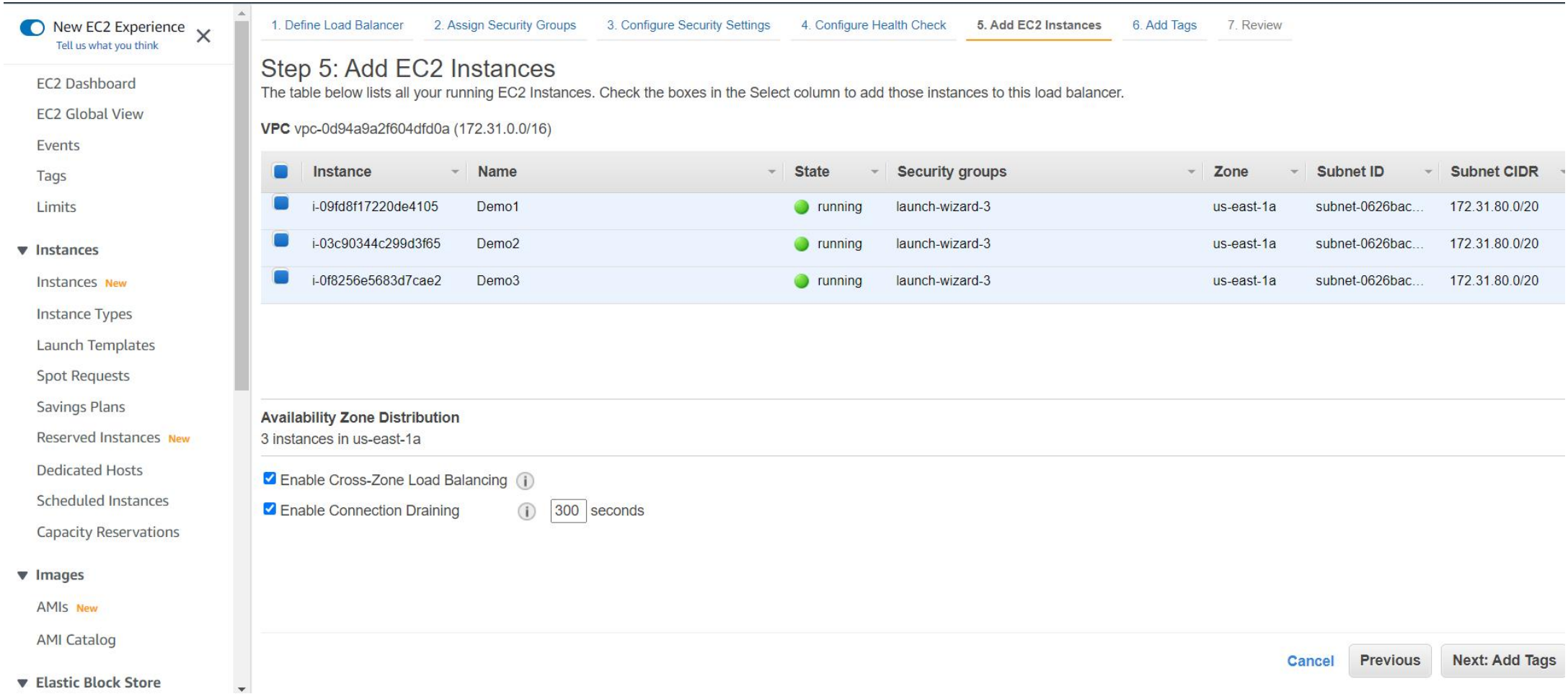
6. Add Tags
7. Review
Step 4: Configure Health Check
Your load balancer will automatically perform health checks on your EC2 instances and only route traffic to instances that pass the health check. If an instance fails the health check, it is automatically removed from the load balancer. Customize the health check to meet your specific needs.
Ping Protocol
HTTP
Ping Port
80
Ping Path
/index.html
Advanced Details
Response Timeout
5
seconds
Interval
30
seconds
Unhealthy threshold
2
Healthy threshold
10
Cancel
Previous
Next: Add EC2 Instances


New EC2 Experience
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1. Define Load Balancer
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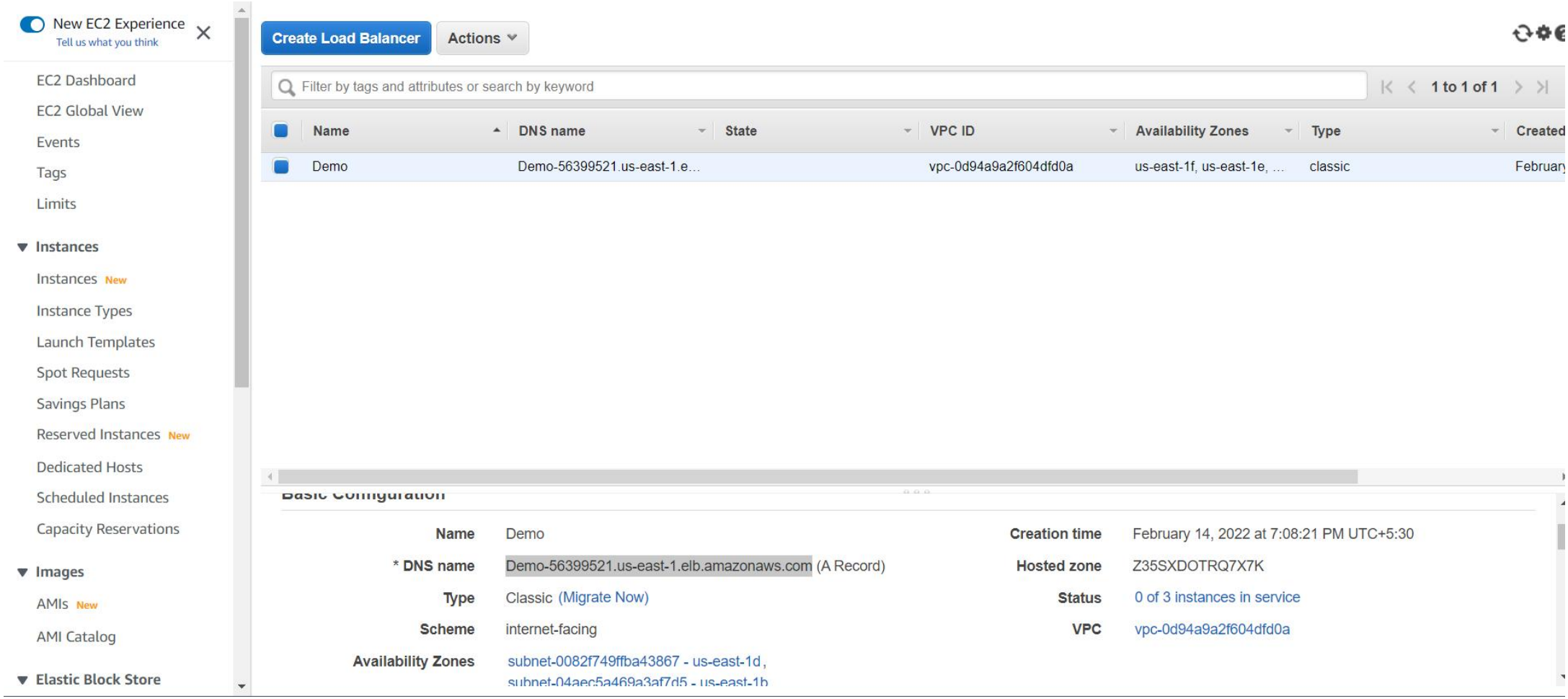
3. Configure Security Settings
4. Configure Health Check
5. Add EC2 Instances
6. Add Tags
7. Review
Step 5: Add EC2 Instances
The table below lists all your running EC2 Instances. Check the boxes in the Select column to add those instances to this load balancer.
VPC vpc-0d94a9a2f604dfd0a (172.31.0.0/16)
Instance
Name
State
Security groups
Zone
Subnet ID
Subnet CIDR
i-09fd8f17220de4105
Demo1
running
launch-wizard-3
us-east-1a
subnet-0626bac...
172.31.80.0/20
i-03c90344c299d3f65
Demo2
running
launch-wizard-3
us-east-1a
subnet-0626bac...
172.31.80.0/20
i-0f8256e5683d7cae2
Demo3
running
launch-wizard-3
us-east-1a
subnet-0626bac...
172.31.80.0/20
Availability Zone Distribution
3 instances in us-east-1a
Enable Cross-Zone Load Balancing
Enable Connection Draining
300
seconds
Cancel
Previous
Next: Add Tags


New EC2 Experience
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Savings Plans
Reserved Instances New
Dedicated Hosts
Scheduled Instances
Capacity Reservations
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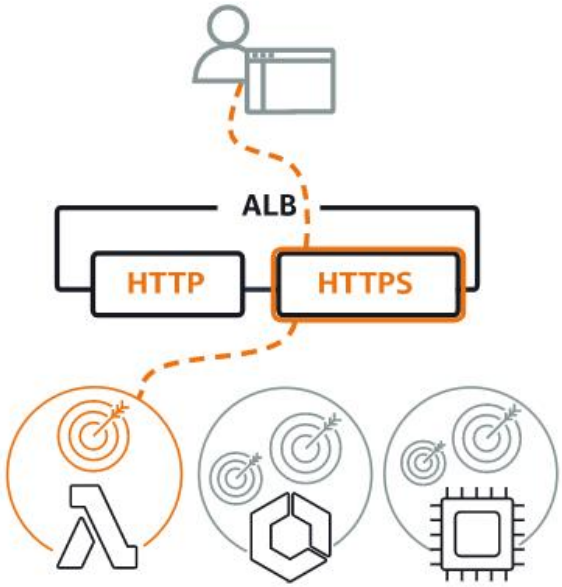
AMIs New
AMI Catalog
Elastic Block Store
Create Load Balancer
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
DNS name
State
VPC ID
Availability Zones
Type
Created
Demo
Demo-56399521.us-east-1.e...
vpc-0d94a9a2f604dfd0a
us-east-1f, us-east-1e, ...
classic
February
Name
Demo
* DNS name
Demo-56399521.us-east-1.elb.amazonaws.com (A Record)
Type
Classic (Migrate Now)
Scheme
internet-facing
Availability Zones
subnet-0082f749ffba43867 - us-east-1d ,
Creation time
February 14, 2022 at 7:08:21 PM UTC+5:30
Hosted zone
Z35SXDOTRQ7X7K
Status
0 of 3 instances in service
VPC
vpc-0d94a9a2f604dfd0a

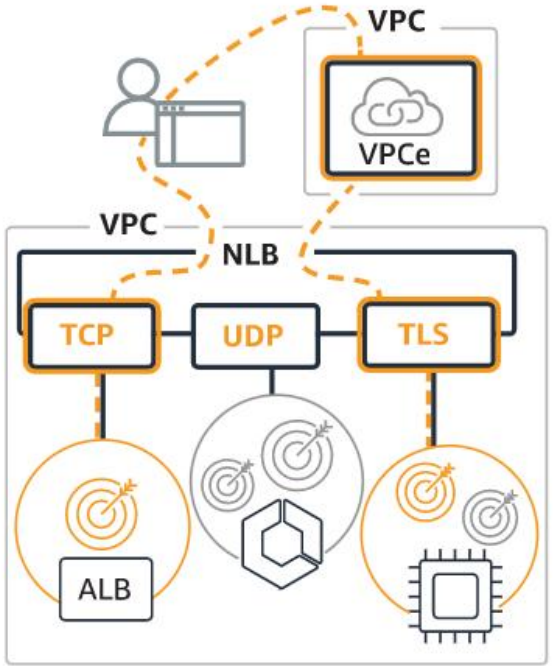
Application Load Balancer Info



Choose an Application Load Balancer when you need a flexible feature set for your applications with HTTP and HTTPS traffic. Operating at the request level, Application Load Balancers provide advanced routing and visibility features targeted at application architectures, including microservices and containers.

Create

Network Load Balancer Info



Choose a Network Load Balancer when you need ultra-high performance, TLS offloading at scale, centralized certificate deployment, support for UDP, and static IP addresses for your applications. Operating at the connection level, Network Load Balancers are capable of handling millions of requests per second securely while maintaining ultra-low latencies.

Gateway Load Balancer Info

Choose a Gateway Load Balancer when you need to deploy and manage a fleet of third-party virtual appliances that support GENEVE. These appliances enable you to improve security, compliance, and policy controls.

Create

▶ Tags - *optional*

Consider adding tags to your load balancer. Tags enable you to categorize your AWS resources so you can more easily manage them. The 'Key' is required, but 'Value' is optional. For example, you can have Key = production-webserver, or Key = webserver, and Value = production.

Summary

Review and confirm your configurations. Estimate cost

Basic configuration Edit

Alb

- Internet-facing
- IPv4

Security groups Edit

- default
  sg-0a8a8759e45859cb4

Network mapping Edit

VPC vpc-0d94a9a2f604dfd0a

- us-east-1a
  subnet-0626bac9e8ce64fc1
- us-east-1b
  subnet-04aec5a469a3af7d5

Listeners and routing Edit

- HTTP:80 defaults to
  Target group not defined

Add-on services Edit

None

Tags Edit

None

Attributes

Certain default attributes will be applied to your load balancer. You can view and edit them after creating the load balancer.

Cancel | Create load balancer

HTTP2
Send requests to targets using HTTP/2. Supported when the request protocol is HTTP/2 or gRPC, but gRPC-specific features are not available.

gRPC
Send requests to targets using gRPC. Supported when the request protocol is gRPC.

Health checks

The associated load balancer periodically sends requests, per the settings below, to the registered targets to test their status.

Health check protocol

HTTP

Health check path

Use the default path of "/" to ping the root, or specify a custom path if preferred.

/

Up to 1024 characters allowed.

▶ Advanced health check settings

▶ Tags - *optional*

Consider adding tags to your target group. Tags enable you to categorize your AWS resources so you can more easily manage them.

Cancel Next

Available instances (1/3)

Filter resources by property or value

1

Instance ID	Name	State	Security groups	Zone	Subnet ID
i-09fd8f17220de4105	Demo1	running	launch-wizard-3	us-east-1a	subnet-0626bac9e8ce64fc1
i-03c90344c299d3f65	Demo2	running	launch-wizard-3	us-east-1a	subnet-0626bac9e8ce64fc1
i-0f8256e5683d7cae2	Demo3	running	launch-wizard-3	us-east-1a	subnet-0626bac9e8ce64fc1

1 selected

Ports for the selected instances

Ports for routing traffic to the selected instances.

80

1-65535 (separate multiple ports with commas)

Include as pending below

Review targets

Targets (1)

Remove all pending

All | Filter resources by property or value | 1

Remove	Health status	Instance ID	Name	Port	State	Security groups	Zone	Subnet ID
✕	Pending	i-09fd8f17220de4105	Demo1	80	running	launch-wizard-3	us-east-1a	subnet-0626bac9e8ce64fc1

1 pending

Cancel | Previous | Create target group