Main Steps:
Creating Launch Configuration.
Creating an Autoscale group with the launch configuration created.
Create target group.
At last, creating load balancer attached with the target group.

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aws   Services ▾   Resource Groups ▾   🔖   🔔   qtrainee-sso-role/vishal.bisht@... ▾   N. Virginia ▾   Support ▾

1. Choose AMI   2. Choose Instance Type   3. Configure details   4. Add Storage   5. Configure Security Group   6. Review

Create Launch Configuration

A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. Learn more about Amazon EC2 security groups.

Assign a security group: ● Create a **new** security group

○ Select an **existing** security group

Security group name: AutoScaling-Security-PE-Vishal

Description: AutoScaling-Security-Group

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ		
SSH ⌄	TCP	22	My IP ⌄	59.152.53.122/32	✖
HTTP ⌄	TCP	80	My IP ⌄	59.152.53.122/32	✖

Add Rule

Cancel   Previous   **Review**

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aws   Services ▾   Resource Groups ▾   🔖   🔔   qtrainee-sso-role/vishal.bisht@... ▾   N. Virginia ▾   Support ▾

1. Choose AMI   2. Choose Instance Type   3. Configure details   4. Add Storage   5. Configure Security Group   6. Review

Create Launch Configuration

Review the details of your launch configuration. You can go back to edit the details of each section before you finish.

▼ AMI Details   Edit AMI

Free tier eligible   **Ubuntu Server 16.04 LTS (HVM), SSD Volume Type - ami-07b4156579ea1d7ba**
Ubuntu Server 16.04 LTS (HVM),EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services).
Root device type: ebs   Virtualization Type: hvm

▶ Instance Type   Edit instance type

▼ Launch configuration details   Edit details

Name	vishal-launch
Purchasing option	On demand
EBS Optimized	No
Monitoring	No
IAM role	None
Tenancy	Shared tenancy (multi-tenant hardware)
Kernel ID	Use default
RAM Disk ID	Use default

Cancel   Previous   **Create launch configuration**

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aws   Services ▾   Resource Groups ▾   ★   🔔   qtrainee-sso-role/vishal.bisht@... ▾   N. Virginia ▾   Support ▾

1. Configure Auto Scaling group details   2. Configure scaling policies   3. Configure Notifications   4. Configure Tags   5. Review

Create Auto Scaling Group

○ Keep this group at its initial size

🔴 Use scaling policies to adjust the capacity of this group

Scale between [2] and [2] instances. These will be the minimum and maximum size of your group.

Scale Group Size   ⊗

Name:	[50]
Metric type:	[Average CPU Utilization ▾]
Target value:	[60]
Instances need:	[60] seconds to warm up after scaling
Disable scale-in:	☐

Cancel   [Previous]   [**Review**]   [Next: Configure Notifications]

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aws   Services ▾   Resource Groups ▾   ★   🔔   qtrainee-sso-role/vishal.bisht@... ▾   N. Virginia ▾   Support ▾

1. Configure Auto Scaling group details   2. Configure scaling policies   3. Configure Notifications   4. Configure Tags   5. Review

Create Auto Scaling Group   Cancel and Exit

Group name ⓘ	[vishal-autoscale]
Launch Configuration ⓘ	vishal-launch
Group size ⓘ	Start with [2] instances
Network ⓘ	[vpc-0c9efd91020c77e76 (172.31.0.0/16) (default) ▾] 🔄 Create new VPC
Subnet ⓘ	[subnet-017d283487b5590d6(172.31.0.0/20) | Default in ✕] us-east-1d

Create new subnet

Each instance in this Auto Scaling group will be assigned a public IP address. ⓘ

▸ Advanced Details

Cancel   [Next: Configure scaling policies]

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1. Configure Auto Scaling group details   2. Configure scaling policies   3. Configure Notifications   4. Configure Tags   **5. Review**

Create Auto Scaling Group

Please review your Auto Scaling group details. You can go back to edit changes for each section. Click **Create Auto Scaling group** to complete the creation of an Auto Scaling group.

▼ Auto Scaling Group Details   Edit details

Group name	vishal-autoscale
Group size	2
Minimum Group Size	2
Maximum Group Size	2
Subnet(s)	subnet-017d283487b5590d6
Health Check Grace Period	300
Detailed Monitoring	No
Instance Protection	None
Service-Linked Role	AWSServiceRoleForAutoScaling

▼ Scaling Policies   Edit scaling policies

50   Maintain metric type Average CPU Utilization at target value 60, with 60 seconds for instances to warm up.

▼ Notifications   Edit notifications

Cancel   Previous   **Create Auto Scaling group**

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aws   Services ▾   Resource Groups ▾   ★   🔔   qtrainee-sso-role/vishal.bisht@... ▾   N. Virginia ▾   Support ▾

Auto Scaling group creation status

✔ **Successfully created Auto Scaling group**

View creation log

▼ View

View your Auto Scaling groups

View your launch configurations

▶ Here are some helpful resources to get you started

Close

Target Groups | EC2 Management Console - Mozilla Firefox

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aws   Services ▾   Resource Groups ▾   ★   🔔   qtrainee-sso-role/vishal.bisht@... ▾   N. Virginia ▾   Support ▾

EC2 Dashboard   Create target group   Actions ▾   ↻   ⚙   ❓
Events
Tags   🔍 Filter by tags and attributes or search by keyword |< < 1 to 24 of 24 > >|
Reports
Limits   ☐   Name   ▲   Port   Protocol ▾   Target type ▾   Load Balan▾   VPC ID   ▾   Monitoring ▾
                        ☐   akash-target   80   HTTP   instance   vpc-0c9efd91020c77e76
⊟ INSTANCES   ☐   akash-tg   e76
  Instances   ☐   ALB-tg   ┌──┐   e76
  Launch Templates   ☐   ansible-TG   │ Create target group   ✕ │   e76
  Spot Requests   ☐   austin-target   │   │   e76
  Reserved Instances   ☐   austin-tg   │   │   e76
  Dedicated Hosts   ☐   demo-lb-grp   │   ✓   Successfully created target group   │   e76
  Scheduled Instances   ☐   demo-target-grp   │   Successfully created target group vishal-target in VPC vpc-0c9efd91020c77e76 │   e76
  Capacity Reservations ☐   demoWebJasGroup   │   │   e76
⊟ IMAGES   │   │
  AMIs   Select a target group   │   Close   │
  Bundle Tasks   └──┘   ▣ ▣ ▣
⊟ ELASTIC BLOCK STORE
  Volumes
  Snapshots
  Lifecycle Manager

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aws   Services ▾   Resource Groups ▾   ★   🔔   qtrainee-sso-role/vishal.bisht@... ▾   N. Virginia ▾   Support ▾

EC2 Dashboard   ┌──┐
Events   │ Create target group   ✕ │
Tags   │   │
Reports   │ targets using the health check settings that you specify.   │
Limits   │   │
⊟ INSTANCES   │   Target group name ⓘ   [vishal-target   ]   │
  Instances   │   │
  Launch Templates   │   Target type   ● Instance   │
  Spot Requests   │   ○ IP   │
  Reserved Instances   │   ○ Lambda function   │
  Dedicated Hosts   │   │
  Scheduled Instances │   Protocol ⓘ   [HTTP   ▾]   │
  Capacity Reservations│   │
⊟ IMAGES   │   Port ⓘ   [80   ]   │
  AMIs   │   │
  Bundle Tasks   │   VPC ⓘ   [vpc-0c9efd91020c77e76 (172.31.0.0/16) ▾]   │
⊟ ELASTIC BLOCK STORE │   │
  Volumes   │ Health check settings   │
  Snapshots   │   │
  Lifecycle Manager   │   Protocol ⓘ   [HTTP   ▾]   │

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aws   Services ▼   Resource Groups ▼   📌   🔔   qtrainee-sso-role/vishal.bisht@...   ▼   N. Virginia ▼   Support ▼

1. Configure Load Balancer   2. Configure Security Settings   3. Configure Security Groups   **4. Configure Routing**   5. Register Targets   6. Review

Step 4: Configure Routing
Target group

Target group ⓘ	Existing target group ⌄
Name ⓘ	vishal-target ⌄
Target type	⦿ Instance
	○ IP
	○ Lambda function
Protocol ⓘ	HTTP ⌄
Port ⓘ	80

Health checks

Protocol ⓘ	HTTP ⌄
Path ⓘ	/

Cancel   [Previous]   [Next: Register Targets]

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aws   Services ▼   Resource Groups ▼   📌   🔔   qtrainee-sso-role/vishal.bisht@...   ▼   N. Virginia ▼   Support ▼

1. Configure Load Balancer   2. Configure Security Settings   **3. Configure Security Groups**   4. Configure Routing   5. Register Targets   6. Review

Step 3: Configure Security Groups
A security group is a set of firewall rules that control the traffic to your load balancer. On this page, you can add rules to allow specific traffic to reach your load balancer. First, decide whether to create a new security group or select an existing one.

Assign a security group:	⦿ Create a **new** security group
	○ Select an **existing** security group
Security group name:	load-balancer-vishal
Description:	load-balancer-wizard-5 created on 2019-06-18T16:40:36.146+05:30

Type ⓘ	Protocol ⓘ	Port Range ⓘ	Source ⓘ		
SSH ⌄	TCP	22	My IP ⌄	59.152.53.122/32	⊗
HTTP ⌄	TCP	80	My IP ⌄	59.152.53.122/32	⊗

[Add Rule]

Cancel   [Previous]   [Next: Configure Routing]

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1. Configure Load Balancer   2. Configure Security Settings   3. Configure Security Groups   4. Configure Routing   **5. Register Targets**   6. Review

Step 5: Register Targets

Register targets with your target group. If you register a target in an enabled Availability Zone, the load balancer starts routing requests to the targets as soon as the registration process completes and the target passes the initial health checks.

Registered targets

The following targets are registered with the target group that you selected. You can only modify this list after you create the load balancer.

Instance	Port
i-052a49655ec989822	80
i-0d5b816cc44bf0694	80

Cancel   Previous   Next: Review

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aws   Services ▾   Resource Groups ▾   ★   qtrainee-sso-role/vishal.bisht@... ▾   N. Virginia ▾   Support ▾

Load Balancer Creation Status

✔ **Successfully created load balancer**
Load balancer vishal-lb was successfully created.
Note: It might take a few minutes for your load balancer to be fully set up and ready to route traffic, and for the targets to complete the registration process and pass the initial health checks.

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page1