

19AI411: PART B and C ANSWER

Target groups | EC2 | eu-north-1

EC2 Instance Connect

EC2 Instance Connect

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#TargetGroups:

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AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Network Interfaces

Load Balancing

Load Balancers

Target Groups

Trust Stores

Auto Scaling

Auto Scaling Groups

Settings

Target groups (1/5)

Filter target groups

1

	Name	ARN	Port	Protocol	Target type	Load balancer
<input type="checkbox"/>	<a href="#">purchase11</a>	arn:aws:elasticloadbalancing:eu-north-1:536697237832:targetgroup/purchase11/6c387a42b92ec3b2	80	HTTP	Instance	application1
<input checked="" type="checkbox"/>	<a href="#">zafreen</a>	arn:aws:elasticloadbalancing:eu-north-1:536697237832:targetgroup/zafreen/6c387a42b92ec3b2	80	HTTP	Instance	<a href="#">None associated</a>

Target group: zafreen

Details

Targets

Monitoring

Health checks

Attributes

Tags

Details

arn:aws:elasticloadbalancing:eu-north-1:536697237832:targetgroup/zafreen/6c387a42b92ec3b2

Target type	Protocol : Port	Protocol version	VPC
Instance	HTTP: 80	HTTP1	<a href="#">vpc-0702ad1ea495e2e74</a>
IP address type	Load balancer		

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Load balancers | EC2 | eu-north-1

EC2 Instance Connect

EC2 Instance Connect

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LoadBalancers:

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Settings

EC2 > Load balancers

Load balancers (1/2)

Elastic Load Balancing scales your load balancer capacity automatically in response to changes in incoming traffic.

Filter load balancers

< 1 >

	Name	DNS name	State	VPC ID	Availability Zones	Type
<input type="checkbox"/>	classic12	classic12-159305461.eu-n...	-	vpc-0702ad1ea495e2...	2 Availability Zones	classic
<input checked="" type="checkbox"/>	zafreen	zafreen-110403633.eu-no...	Active	vpc-0702ad1ea495e2...	2 Availability Zones	application

Load balancer: zafreen

Details

Listeners and rules

Network mapping

Resource map - new

Security

Monitoring

Integrations

Attributes

Tags

Details

Load balancer type	Status	VPC	Load balancer IP address type
Application	Active	vpc-0702ad1ea495e2e74	IPv4
Scheme	Hosted zone	Availability Zones	Date created
Internet-facing	Z23TAZ6LKFMNIO	subnet-004fbc397ceeb7252 eu-	September 20, 2024, 10:26

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Auto Scaling groups | EC2 | eu-north-1

EC2 Instance Connect

EC2 Instance Connect

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#AutoScalingGroups:Id=Zafreen;view=details

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Elastic Block Store

- Volumes
- Snapshots
- Lifecycle Manager

Network & Security

- Security Groups
- Elastic IPs
- Placement Groups
- Key Pairs
- Network Interfaces

Load Balancing

- Load Balancers
- Target Groups
- Trust Stores

Auto Scaling

- Auto Scaling Groups

Settings

Zafreen, 1 Scaling policy created successfully

EC2 > Auto Scaling groups

Auto Scaling groups (1/2)

Launch configurations

Launch templates

Actions

Create Auto Scaling group

Search your Auto Scaling groups

	Name	Launch template/configuration	Instances	Status	Desired capacity	Min
<input checked="" type="checkbox"/>	Zafreen	zafreen   Version Default	0	Updating capacity...	2	2
<input type="checkbox"/>	gayathri001	gayathri   Version Default	1		1	1

Auto Scaling group: Zafreen

Details

Activity

Automatic scaling

Instance management

Monitoring

Instance refresh

Group details

Auto Scaling group name

Desired capacity

Desired capacity type

Amazon Resource Name (ARN)

Zafreen

2

Units (number of instances)

arn:aws:autoscaling:eu-north-1:536697237832:autoScalingGroup:22377dd8-

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Launch templates | EC2 | eu-nor

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchTemplates:

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EC2 Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity

Reservations

Images

AMIs

AMI Catalog

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Lifecycle Manager

Launch Templates (1/2)

Info

Actions

Create launch template

Search

1

Launch Template ID	Launch Template Name	Default Version	Latest Version	Create Time	Created ...
<input checked="" type="checkbox"/> lt-02506059afb065450	zafreen	1	1	2024-09-20T05:27:53.000Z	arn:aws:ia...
<input type="checkbox"/> lt-04884f6d0e0beb765	gayathri	1	1	2024-09-20T05:10:52.000Z	arn:aws:ia...

zafreen (lt-02506059afb065450)

Launch template details

Actions

Delete template

Launch template ID

lt-02506059afb065450

Launch template name

zafreen

Default version

1

Owner

arn:aws:iam::536697237832:root

Details

Versions

Template tags

Launch template version details

Actions

Delete template version

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Instances | EC2 | eu-north-1

EC2 Instance Connect

EC2 Instance Connect

eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Instances

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Instances

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New

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Lifecycle Manager

Instances (2/8) Info

Last updated 4 minutes ago

Connect

Instance state

Actions

Launch instances

Find Instance by attribute or tag (case-sensitive)

All states

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
<input type="checkbox"/>	ZAFlinux	i-09c6cc30dff66c07f	Stopped	t3.micro	-	View alarms +	eu-north-1a	-
<input type="checkbox"/>	GAYU1linux	i-0100a8d093a29387a	Terminated	t3.micro	-	View alarms +	eu-north-1a	-
<input checked="" type="checkbox"/>		i-03536985a46d607d3	Running	t3.micro	3/3 checks passed	View alarms +	eu-north-1a	ec2-13-53-
<input type="checkbox"/>	ZAFREENlinux	i-08f6900321ffd916a	Terminated	t3.micro	-	View alarms +	eu-north-1b	-
<input type="checkbox"/>	GAYU1linux	i-09d545126e8ebb3ab	Terminated	t3.micro	-	View alarms +	eu-north-1b	-
<input type="checkbox"/>		i-06d7501a580d11395	Running	t3.micro	3/3 checks passed	View alarms +	eu-north-1b	ec2-13-60-
<input checked="" type="checkbox"/>		i-05da47297fd3c17e9	Running	t3.micro	3/3 checks passed	View alarms +	eu-north-1b	ec2-16-170-
<input type="checkbox"/>		i-02e6438dd394f9fdc	Terminated	t3.micro	-	View alarms +	eu-north-1b	-

2 instances selected

Monitoring

Alarm recommendations

1h 3h 12h 1d 3d 1w Custom UTC timezone

Configure CloudWatch agent

Add to dashboard

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Instances | EC2 | eu-north-1

EC2 Instance Connect

EC2 Instance Connect

eu-north-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=eu-north-1&connType=standard&instanceId=i-03536985a46d607d3&osUser=ec2-user&sshPort=22&addressFamily=ipv4#/

aws

Services

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Installing : mod\_http2-2.0.27-1.amzn2023.0.3.x86\_64 9/12

Installing : mod\_lua-2.4.62-1.amzn2023.x86\_64 10/12

Installing : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch 11/12

Installing : httpd-2.4.62-1.amzn2023.x86\_64 12/12

Running scriptlet: httpd-2.4.62-1.amzn2023.x86\_64 12/12

Verifying : apr-1.7.2-2.amzn2023.0.2.x86\_64 1/12

Verifying : apr-util-1.6.3-1.amzn2023.0.1.x86\_64 2/12

Verifying : apr-util-openssl-1.6.3-1.amzn2023.0.1.x86\_64 3/12

Verifying : generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch 4/12

Verifying : httpd-2.4.62-1.amzn2023.x86\_64 5/12

Verifying : httpd-core-2.4.62-1.amzn2023.x86\_64 6/12

Verifying : httpd-filesystem-2.4.62-1.amzn2023.noarch 7/12

Verifying : httpd-tools-2.4.62-1.amzn2023.x86\_64 8/12

Verifying : libbrotli-1.0.9-4.amzn2023.0.2.x86\_64 9/12

Verifying : mailcap-2.1.49-3.amzn2023.0.3.noarch 10/12

Verifying : mod\_http2-2.0.27-1.amzn2023.0.3.x86\_64 11/12

Verifying : mod\_lua-2.4.62-1.amzn2023.x86\_64 12/12

Installed:

apr-1.7.2-2.amzn2023.0.2.x86\_64 apr-util-1.6.3-1.amzn2023.0.1.x86\_64 apr-util-openssl-1.6.3-1.amzn2023.0.1.x86\_64

generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch httpd-2.4.62-1.amzn2023.x86\_64 httpd-core-2.4.62-1.amzn2023.x86\_64

httpd-filesystem-2.4.62-1.amzn2023.noarch httpd-tools-2.4.62-1.amzn2023.x86\_64 libbrotli-1.0.9-4.amzn2023.0.2.x86\_64

mailcap-2.1.49-3.amzn2023.0.3.noarch mod\_http2-2.0.27-1.amzn2023.0.3.x86\_64 mod\_lua-2.4.62-1.amzn2023.x86\_64

Complete!

[root@ip-172-31-22-231 ec2-user]# cd /var/www/html

[root@ip-172-31-22-231 html]# vi index.html

[root@ip-172-31-22-231 html]#

i-03536985a46d607d3

PublicIPs: 13.53.79.134 PrivateIPs: 172.31.22.231

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Instances | EC2 | eu-north-1

EC2 Instance Connect

EC2 Instance Connect

eu-north-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=eu-north-1&connType=standard&instanceId=i-05da47297fd3c17e9&osUser=ec2-user&sshPort=22&addressFamily=ipv4#/

Services

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Installing : mod\_http2-2.0.27-1.amzn2023.0.3.x86\_64 9/12

Installing : mod\_lua-2.4.62-1.amzn2023.x86\_64 10/12

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apr-1.7.2-2.amzn2023.0.2.x86\_64 apr-util-1.6.3-1.amzn2023.0.1.x86\_64 apr-util-openssl-1.6.3-1.amzn2023.0.1.x86\_64

generic-logos-httpd-18.0.0-12.amzn2023.0.3.noarch httpd-2.4.62-1.amzn2023.x86\_64 httpd-core-2.4.62-1.amzn2023.x86\_64

httpd-filesystem-2.4.62-1.amzn2023.noarch httpd-tools-2.4.62-1.amzn2023.x86\_64 libbrotli-1.0.9-4.amzn2023.0.2.x86\_64

mailcap-2.1.49-3.amzn2023.0.3.noarch mod\_http2-2.0.27-1.amzn2023.0.3.x86\_64 mod\_lua-2.4.62-1.amzn2023.x86\_64

Complete!

[root@ip-172-31-45-99 ec2-user]# cd /var/www/html

[root@ip-172-31-45-99 html]# vi index.html

[root@ip-172-31-45-99 html]#

i-05da47297fd3c17e9

PublicIPs: 16.170.228.47 PrivateIPs: 172.31.45.99

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