

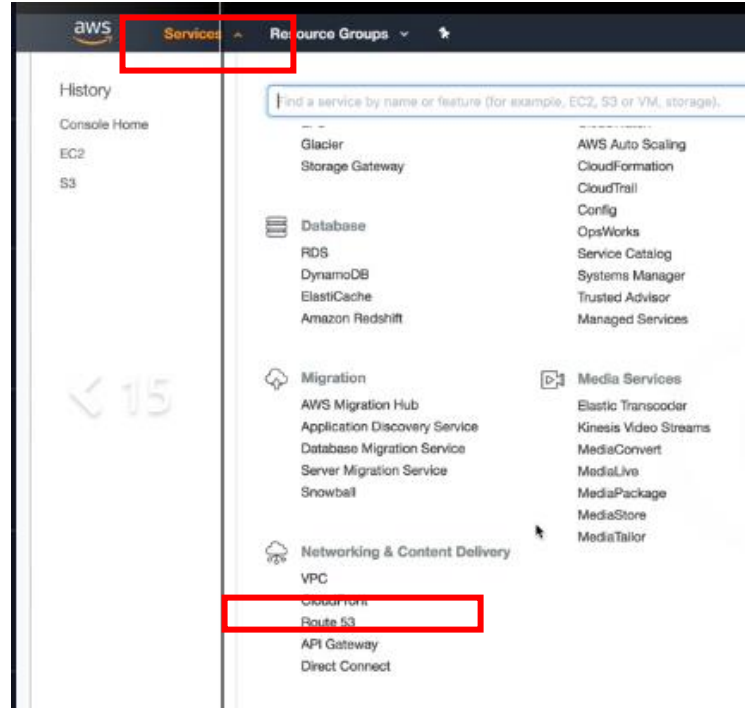
Route53

Route53 - Exam Tips

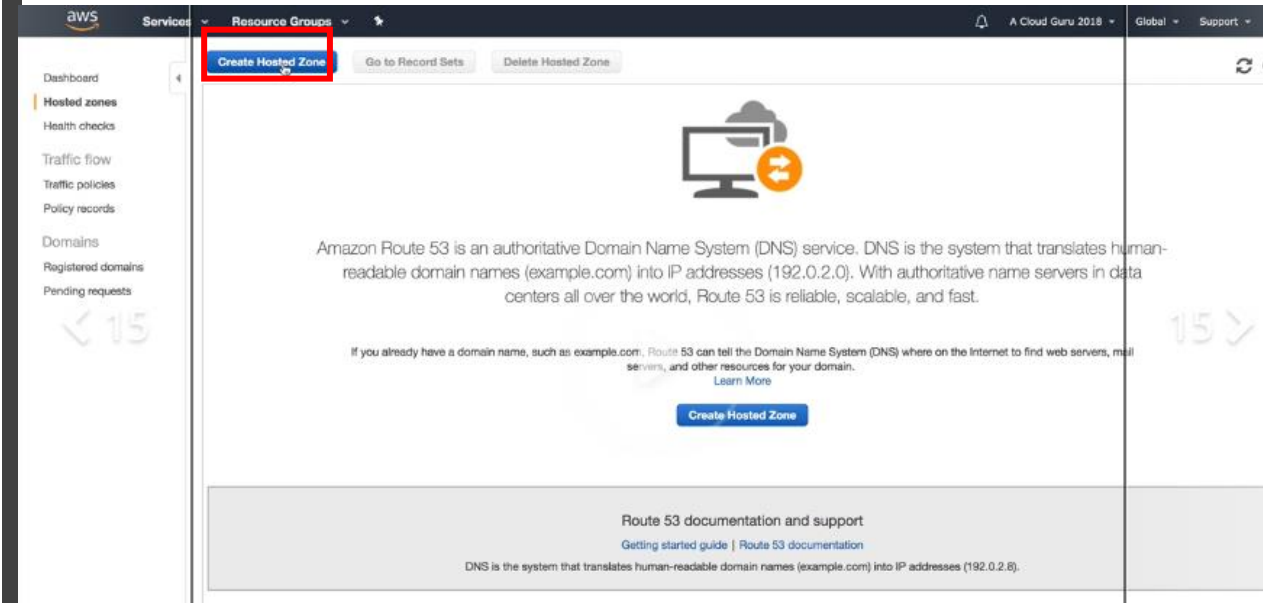
- Route53 is Amazon's DNS service
- Allows you to map your domain names to
 - EC2 Instances
 - Load Balancers
 - S3 Buckets

Registering domain

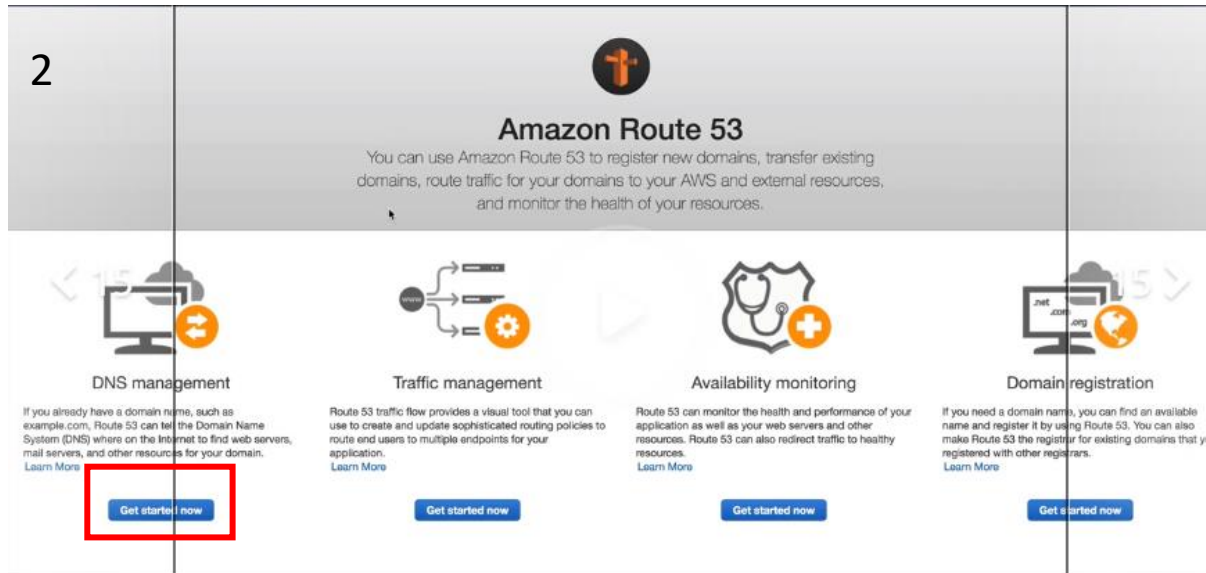
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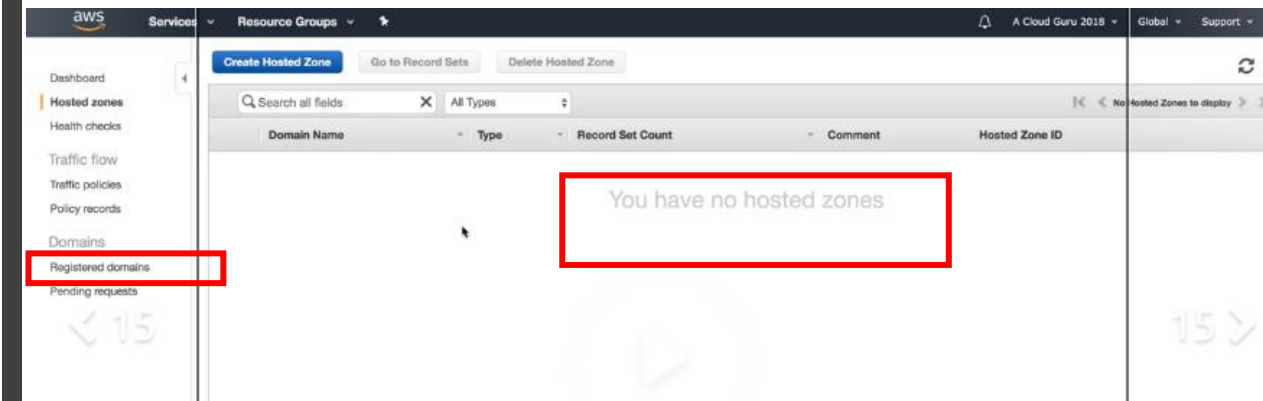
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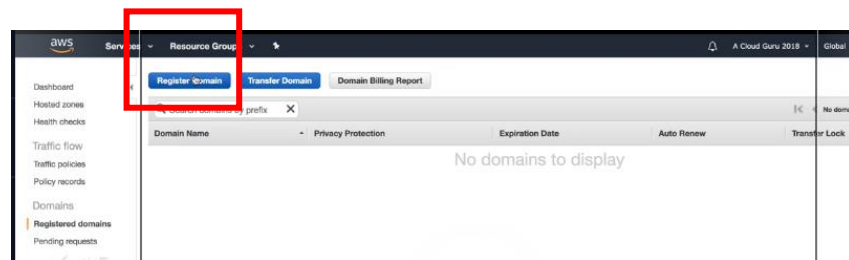
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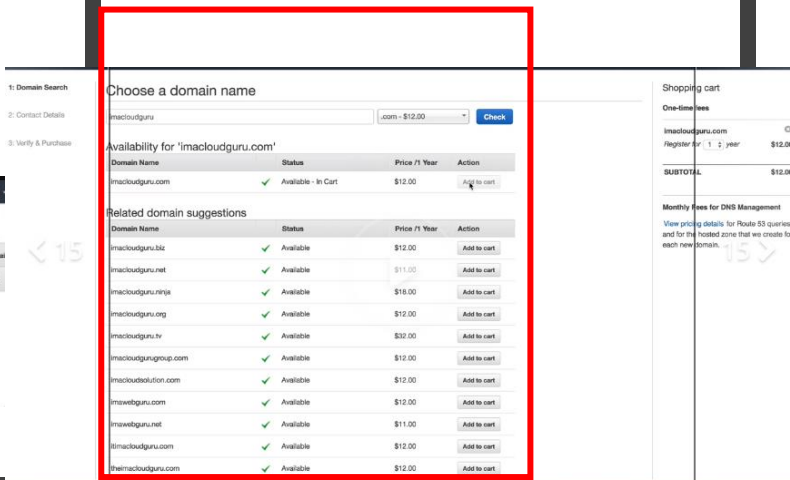
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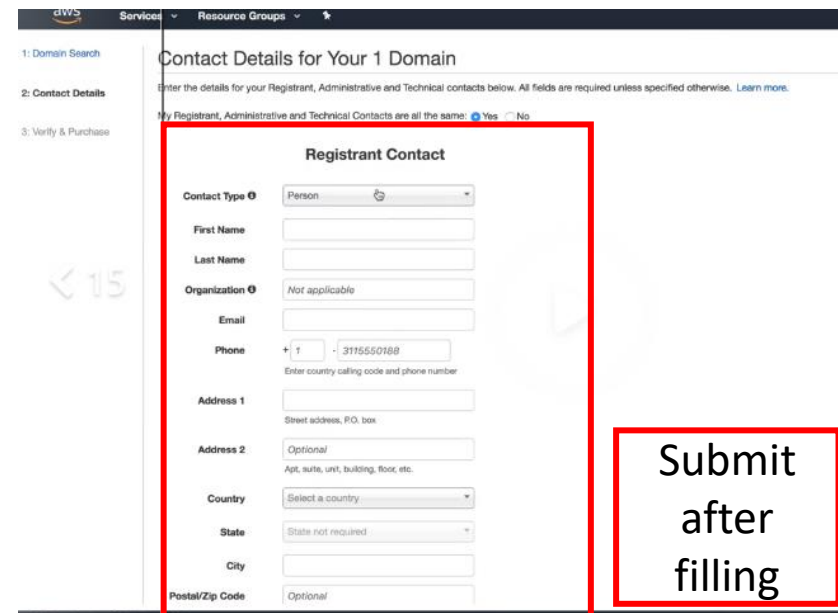
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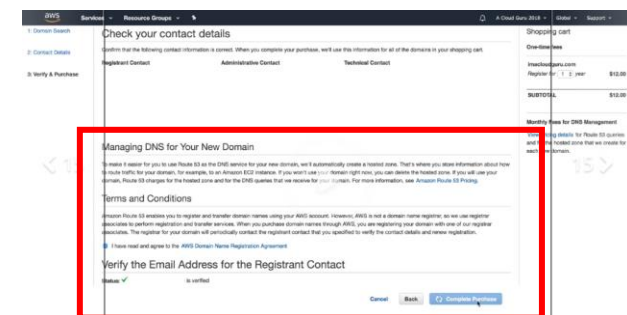
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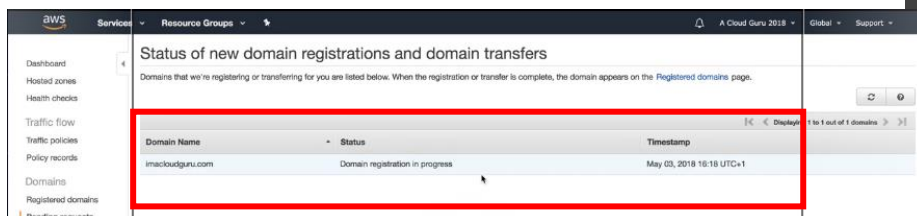
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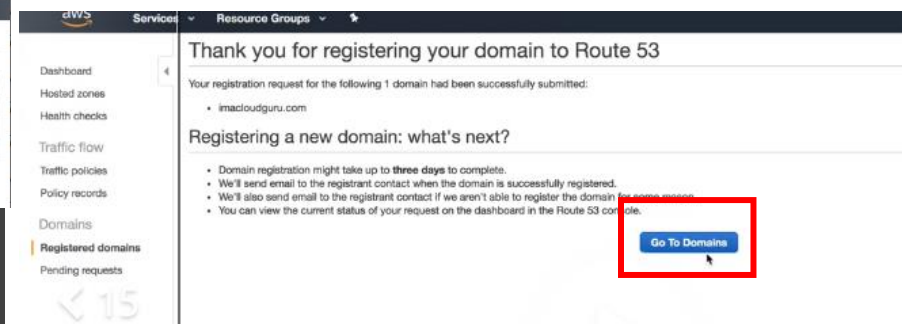
8



9



10



Depends on domain, it takes days / hours to get activated

aws Services Resource Groups

Create Hosted Zone Go to Record Sets Delete Hosted Zone

Search all fields All Types Displaying 1 to 1 out of 1 Hosted Zones

Domain Name	Type	Record Set Count	Comment	Hosted Zone ID
imacloudguru.com.	Public	2	HostedZone created by Route53 Registrar	ZKIF3YWIZOFQB

Hosted Zone Details

Domain Name: imacloudguru.com.
Type: Public Hosted Zone
Hosted Zone ID: ZKIF3YWIZOFQB
Record Set Count: 2
Comment: HostedZone created by Route53 Registrar

Name Servers *: Before the Domain Name System will start to route queries for this domain to Route 53 name servers, you must update the name server records either with the current DNS service or with the registrar for the domain, as applicable. For more information, click the ? icon above.

Tags: View and manage tags for your hosted zones using Tag Editor

Query Logging: [icon]

Create Record Set

Name: imacloudguru.com.

Type: A - IPv4 address

Alias: Yes No

TTL (Seconds): 300 1m 5m 1h 1d

Value: See example below

IPv4 address. Enter multiple addresses on separate lines.
Example:
192.0.2.235
198.51.100.234

Routing Policy: Simple

Route 53 responds to queries based only on the values in this record. [Learn More](#)

Services Resource Groups

Back to Hosted Zones Create Record Set Import Zone File Delete Record Set Test Record Set

Record Set Name Any Type Aliases Only Weighted Only Displaying 1 to 2 out of 2 Record Sets

Name	Type	Value	Evaluate Target Health	Health Check ID	TTL	Region
imacloudguru.com.	NS	ns-1494.awsdns-58.org. ns-1749.awsdns-26.co.uk. ns-709.awsdns-24.net. ns-101.awsdns-12.com.	-	-	172800	
imacloudguru.com.	SOA	ns-1494.awsdns-58.org. awsdns-hostmaster.amazon	-	-	900	

Create Record Set

Name: imacloudguru.com.

Type: A - IPv4 address CNAME - Canonical name MX - Mail exchange AAAA - IPv6 address TXT - Text PTR - Pointer SRV - Service locator SPF - Sender Policy Framework NAPTR - Name Authority Pointer CAA - Certification Authority Authorization NS - Name server SOA - Start of authority

Alias: [icon]

TTL (Seconds): [icon]

Value: 198.51.100.234

Routing Policy: Simple

Route 53 responds to queries based only on the values in this record. [Learn More](#)

Dashboard

Hosted zones

Health checks

Traffic flow

Traffic policies

Policy records

Domains

Registered domains

Pending requests

DNS management

1

Hosted zones 0

Register domain

Find and register an available domain, or transfer your existing domains to Route 53.

Type a domain name

.com - \$12.00

Check

Alerts

Resource

Status

Last update

Imaccloudguru.com

Domain registration successful

2018-05-03 16:35:02

Traffic management

A visual tool that lets you easily create policies for multiple endpoints in complex configurations.

Create policy

Availability monitoring

Health checks monitor your applications and web resources, and direct DNS queries to healthy resources.

Create health check

Domain registration

1

Domains 0

More info

Developer Guide

FAQs

Pricing

Forum - DNS and health checks

Forum - Domain name registration

Request a limit increase

Service health

Amazon Route 53

Service is operating normally.

AWS service health dashboard

Click create and give iamcloudguru.com in browser.

Create Hosted Zone

Go to Record Sets

Delete Hosted Zone

Search all fields

All Types

Displaying 1 to 1 out of 1 Hosted Zones

Domain Name	Type	Record Set Count	Comment	Hosted Zone ID
iamcloudguru.com	Public	2	HostedZone created by Route53 Registrar	ZKIF3YWIZOFQB

Dashboard

Hosted zones

Health checks

Traffic flow

Traffic policies

Policy records

Domains

Registered domains

Pending requests

Back to Hosted Zones

Create Record Set

Import Zone File

Delete Record Set

Test Record Set

Record Set Name

Any Type

Aliases Only

Weighted Only

Displaying 1 to 2 out of 2 Record Sets

Name	Type	Value	Evaluate Target Health	Health Check ID	TTL	Regi
iamcloudguru.com	NS	ns-1494.awsdns-58.org. ns-1749.awsdns-26.co.uk. ns-709.awsdns-24.net. ns-101.awsdns-12.com.	-	-	172800	
iamcloudguru.com	SOA	ns-1494.awsdns-58.org. awsdns-hostmaster.amazon	-	-	900	

Create Record Set

Name: iamcloudguru.com.

Type: A - IPv4 address

Alias: Yes No

Alias Target:

No Targets Available

myALB-2145857961.us-east-1.elb.amazonaws

No Targets Available

No Targets Available

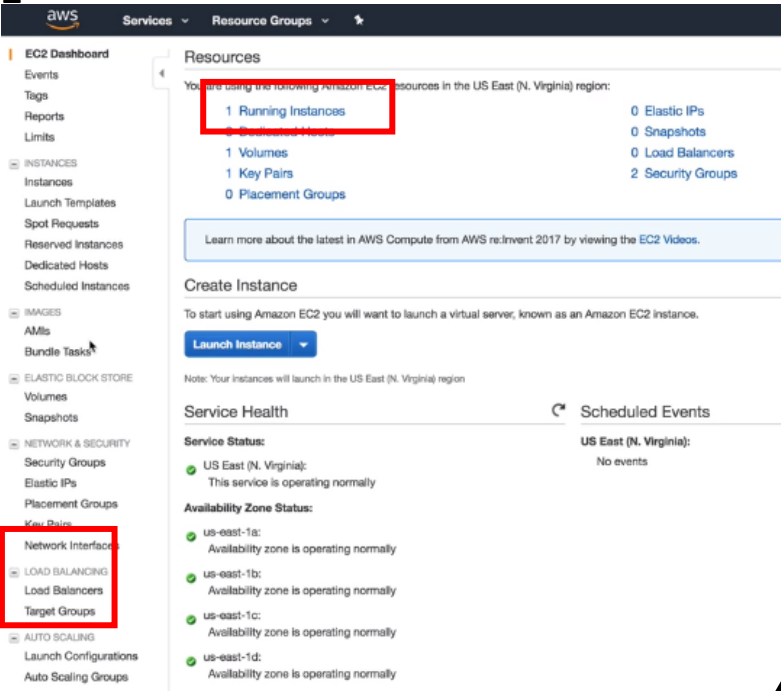
No Targets Available

Routing Policy

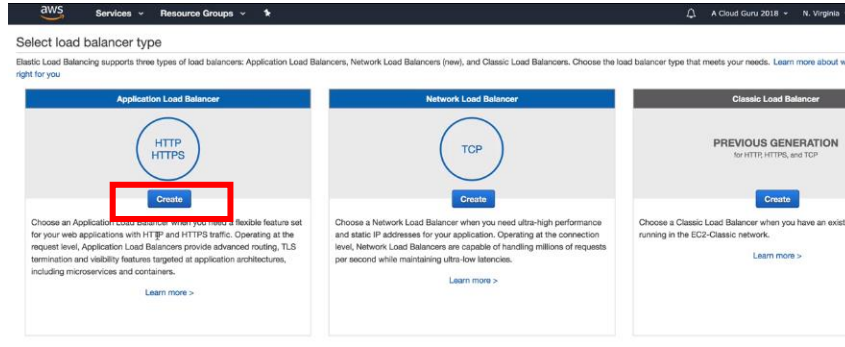
Evaluate Target Health: Yes No

Creating load balancer

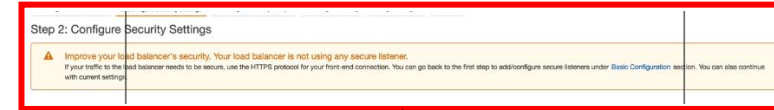
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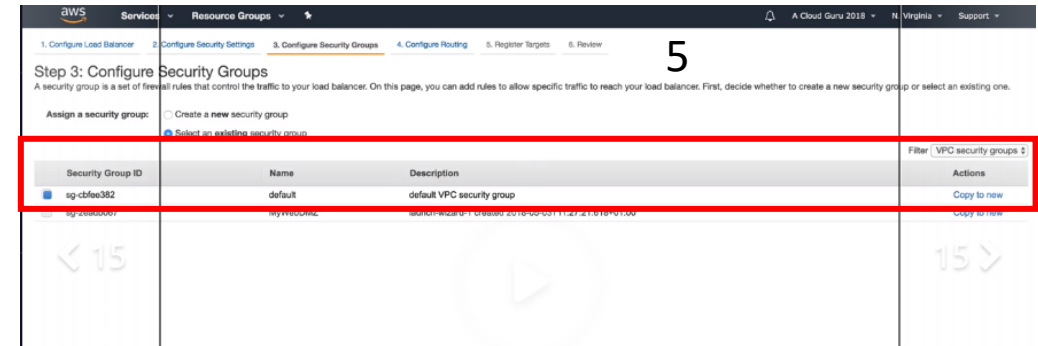
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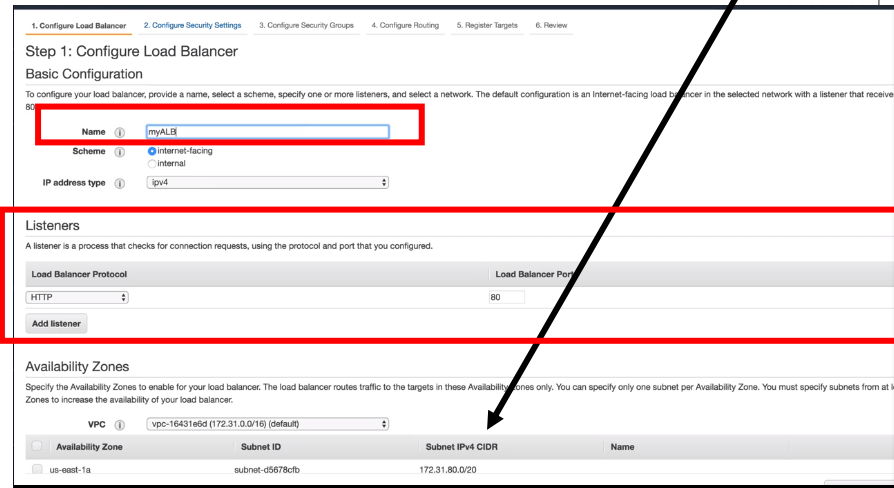
For not selecting https under listener



5

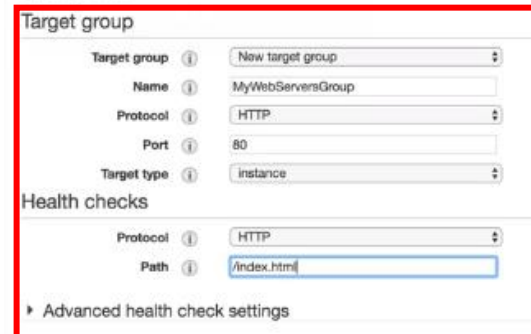


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Step 4: Configure Routing

Your load balancer routes requests to the targets in this target group using the protocol and port that you specify, and performs health checks on the one load balancer.



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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
To deregister instances, select one or more registered instances and then click Remove.

Remove

Instance	Name	Port	State	Security groups	Zone
i-04931d2w877c108f		80	running	MyWebDMZ	us-east-1c

Instances

To register, select one or more running instances, specify a port, and then click Add. The default port is the port specified for the target group. If the instance is already registered on the specified port, you must specify a different port.

Add to registered on port 80

Search Instances

Instance	Name	State	Security groups	Zone	Subnet ID	Subnet CIDR
i-04931d2w877c108f		running	MyWebDMZ	us-east-1c	subnet-fd21c8a1	172.31.32.0/20

Cancel Previous Next: Review

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

Step 6: Review

Please review the load balancer details before continuing.

Load balancer

Name: myALB
Scheme: internet-facing
Listeners: Port 80 - Protocol: HTTP
IP address type: ipv4
VPC: vpc-16431e6d
Subnets: subnet-d5678c0b, subnet-3448f57e, subnet-fd21c8a1, subnet-4e2ed72d, subnet-6b373f54, subnet-34e2613b
Tags

Security groups

Security groups: sg-2eac067

Routing

Target group: New target group
Target group name: MyWebServersGroup
Port: 80
Target type: Instance
Protocol: HTTP
Health check protocol: HTTP
Path: /index.html
Health check port: Traffic port
Healthy threshold: 5
Unhealthy threshold: 2
Timeout: 5
Interval: 30
Success codes: 200

Targets

Cancel Previous Create

aws Services Resource Groups

Launch Templates Spot Requests Reserved Instances Dedicated Hosts Scheduled Instances

Create Load Balancer Actions

Filter by tags and attributes or search by keyword

Name	DNS name	State	VPC ID	Availability Zones	Type	Created At
myALB	myALB-2145857961.us-east-1	provisioning	vpc-16431e6d	us-east-1b, us-east-1f, ...	application	May 9, 2018 at 2:24:44 PM

To active

aws Services Resource Groups

Launch Templates Spot Requests Reserved Instances Dedicated Hosts Scheduled Instances

Create target group Actions

Filter by tags and attributes or search by keyword

Name	Port	Protocol	Target type	Load Balancer	VPC ID	Monitoring
MyWebServersGroup	80	HTTP	Instance	myALB	vpc-16431e6d	

Target Groups

Registered targets

Instance ID	Name	Port	Availability Zone	Status
i-04931d2w877c108f		80	us-east-1c	healthy

Availability Zones

Availability Zone	Target count	Healthy?
us-east-1c	1	Yes

Load Balancer Creation Status

Successfully created load balancer

Load balancer myALB 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.

Close