

Name: Bhargavi Kamble

Student ID: 202051048

Assessment 6(a): Route 53

We will first create a load balancer to attach it to the alias.

The top screenshot shows the AWS Management Console 'Instances' page. It displays a table with one instance, '202051048_EC2', which is in the 'Running' state. Below the table, the details for this instance are shown, including its ID, state, IP addresses, and DNS information.

The bottom screenshot shows the 'Target groups' page. It displays a table with one target group, '202051048', which is associated with the load balancer '202051048ELB'. Below the table, the details for this target group are shown, including its type, protocol, and VPC ID.

aws Services Search [Alt+S]

EC2 > Load balancers

Load balancers (1/1)

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

Filter Load balancers

| Name | DNS name | State | VPC ID | Availability Zones | Type | Date created |
|--------------|--------------------------|--------|-----------------------|----------------------|-------------|------------------------------|
| 202051048ELB | 202051048ELB-96147833... | Active | vpc-008e01b2f68926012 | 3 Availability Zones | application | October 14, 2023 (UTC+05:30) |

Load balancer: 202051048ELB

Details

| | | | |
|--------------------|---------------|--|-------------------------------------|
| Load balancer type | Status | VPC | IP address type |
| Application | Active | vpc-008e01b2f68926012 | IPv4 |
| Scheme | Hosted zone | Availability Zones | Date created |
| Internet-facing | Z3AADJG6KTTL2 | subnet-00618134a74f1baf4 us-east-2b (use2-az2) | October 14, 2023, 17:10 (UTC+05:30) |

Bhargavi's Website

Not secure | 202051048elb-961478338.us-east-2.elb.amazonaws.com

Inbox (99) - 202051... Handy design tools... Main Page - Algorit... emulsiV - Simulator... tyagi-ility/MIPSIT... F - Yakniku Restaur... MLU-Explain Witeboard | Sharea...

This is Bhargavi :)

The load balancer is working fine.

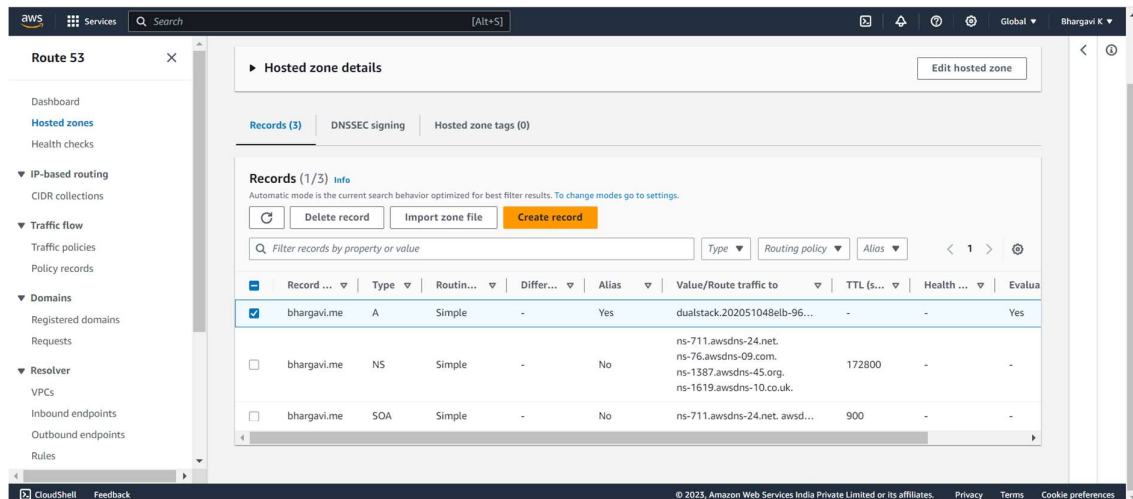
We'll first create a hosted zone and insert all the data. I've attached the created load balancer from alias.

The screenshot shows the 'Create hosted zone' page in the AWS Route 53 console. The page is titled 'Create hosted zone' with an 'Info' link. Below the title is a section 'Hosted zone configuration' with a sub-header 'Domain name' and an 'Info' link. The domain name 'bhargavi.me' is entered in the text field. Below the text field is a note: 'Valid characters: a-z, 0-9, - * \$ % & ' () ^ _ { } . ~'. Below the domain name field is a section 'Description - optional' with an 'Info' link. The description 'The hosted zone is used for...' is entered in the text area. Below the description field is a note: 'The description can have up to 256 characters. 0/256'. Below the description field is a section 'Type' with an 'Info' link. There are two radio buttons: 'Public hosted zone' (selected) and 'Private hosted zone'. The 'Public hosted zone' option has a note: 'A public hosted zone determines how traffic is routed on the internet.' The 'Private hosted zone' option has a note: 'A private hosted zone determines how traffic is routed within an Amazon VPC.'

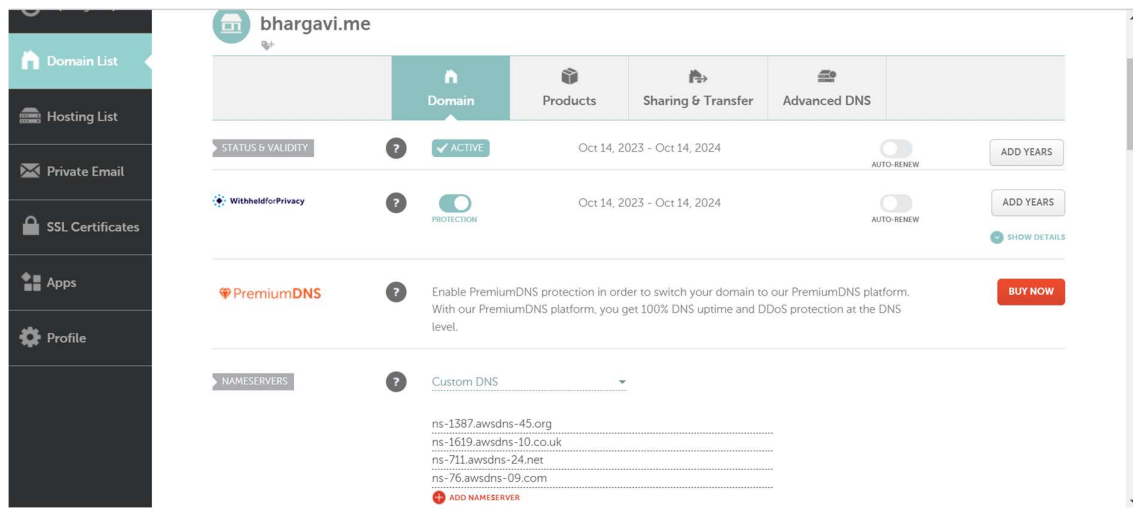
The screenshot shows the 'Hosted zone details' page in the AWS Route 53 console. The page is titled 'Hosted zone details' with an 'Edit hosted zone' button. Below the title is a section 'Records (2)' with an 'Info' link. The section contains a table with 2 records. The table has columns: Record, Type, Routing policy, Differ..., Alias, Value/Route traffic to, TTL (s...), Health..., and Evalua. The first record is for 'bhargavi.me' with Type 'NS', Routing policy 'Simple', Differ... '-', Alias 'No', Value/Route traffic to 'ns-711.awsdns-24.net, ns-76.awsdns-09.com, ns-1387.awsdns-45.org, ns-1619.awsdns-10.co.uk', TTL '172800', Health... '-', and Evalua '-'. The second record is for 'bhargavi.me' with Type 'SOA', Routing policy 'Simple', Differ... '-', Alias 'No', Value/Route traffic to 'ns-711.awsdns-24.net. awsd...', TTL '900', Health... '-', and Evalua '-'.

| Record | Type | Routing policy | Differ... | Alias | Value/Route traffic to | TTL (s...) | Health... | Evalua |
|--------------------------------------|------|----------------|-----------|-------|---|------------|-----------|--------|
| <input type="checkbox"/> bhargavi.me | NS | Simple | - | No | ns-711.awsdns-24.net, ns-76.awsdns-09.com, ns-1387.awsdns-45.org, ns-1619.awsdns-10.co.uk | 172800 | - | - |
| <input type="checkbox"/> bhargavi.me | SOA | Simple | - | No | ns-711.awsdns-24.net. awsd... | 900 | - | - |

The screenshot shows the 'Quick create record' page in the AWS Route 53 console. The page is titled 'Quick create record' with a 'Switch to wizard' button. Below the title is a section 'Record 1' with a 'Delete' button. The section contains a form with the following fields: 'Record name' (subdomain), 'Record type' (A - Routes traffic to an IPv4 address and some AWS resources), 'Alias' (checked), 'Route traffic to' (Alias to Application and Classic Load Balancer), 'US East (Ohio)', 'Q dualstack.202051048ELB-961478338.us-east-2.elb.amazonaws.com', 'Alias hosted zone ID: Z3AADJGX6KTTL2', 'Routing policy' (Simple routing), and 'Evaluate target health' (checked). Below the form is a button 'Add another record'.



We can see that there are four nameservers displayed above we'll add the similar name servers in our custom DNS nameservers from our registry portal.



| Hosted zone details | | |
|-----------------------|--------------------|---|
| Hosted zone name | Type | Name servers |
| bhargavi.me | Public hosted zone | <ul style="list-style-type: none"> ns-711.awsdns-24.net ns-76.awsdns-09.com ns-1387.awsdns-45.org ns-1619.awsdns-10.co.uk |
| Hosted zone ID | Record count | |
| Z10231773VETSSORYBUES | 3 | |
| Description | | |
| - | | |
| Query log | | |
| - | | |

aws Services Search [Alt+S]

Route 53

- Dashboard
- Hosted zones
- Health checks
- ▼ IP-based routing
 - CIDR collections
- ▼ Traffic flow
 - Traffic policies
 - Policy records
- ▼ Domains
 - Registered domains
 - Requests
- ▼ Resolver
 - VPCs
 - Inbound endpoints
 - Outbound endpoints
 - Rules

Hosted zone details

Edit hosted zone

Records (3) DNSSEC signing Hosted zone tags (0)

Records (3) Info

Automatic mode is the current search behavior optimized for best filter results. To change modes go to settings.

Refresh Delete record Import zone file Create record

Filter records by property or value Type Routing policy Alias < 1 >

| <input type="checkbox"/> | Record ... | Type | Routin... | Differ... | Alias | Value/Route traffic to | TTL (s... | Health ... | Evalua |
|--------------------------|-------------|------|-----------|-----------|-------|---|-----------|------------|--------|
| <input type="checkbox"/> | bhargavi.me | A | Simple | - | Yes | dualstack.202051048elb-96... | - | - | Yes |
| <input type="checkbox"/> | bhargavi.me | NS | Simple | - | No | ns-711.awsdns-24.net. ns-76.awsdns-09.com. ns-1387.awsdns-45.org. ns-1619.awsdns-10.co.uk. | 172800 | - | - |
| <input type="checkbox"/> | bhargavi.me | SOA | Simple | - | No | ns-711.awsdns-24.net. awsd... | 900 | - | - |

CloudShell Feedback

© 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

← → ↻ ⚠ Not secure | bhargavi.me

Inbox (99) - 202051... Handy design tools... Main Page - Algorit... emulsiV - Simulator... tyagi-iiitv/MIPSIT... F - Yakniku Restaur... MLU-Explain Witeboard | Sharea...

This is Bhargavi :)

The domain has been routed to our website now.