

Karthik Pradeep Hegadi

2KE20CS032

Assignment 40

Understood. To follow the provided instructions and create the files/directory using the same name and case as provided in the task steps, please provide me with the specific names and case instructions for the files/directory you want to create.

AWS

Assignment:7 Create your subdomains in the configured host Zone

Note : Apply the settings in your VPC before you start with the Hosted zone configurations

The screenshot shows the AWS Management Console interface for editing VPC settings. The breadcrumb navigation indicates the path: VPC > Your VPCs > vpc-0e190ca43b317839f > Edit VPC settings. The main heading is 'Edit VPC settings' with an 'Info' link. The settings are organized into four sections: VPC details, DHCP settings, DNS settings, and Network Address Usage metrics settings. The VPC details section shows the VPC ID as vpc-0e190ca43b317839f and the Name as my-vpc-01. The DHCP settings section shows the DHCP option set as dopt-0eef58e43ff0c9a11. The DNS settings section has two checkboxes: 'Enable DNS resolution' and 'Enable DNS hostnames', both of which are checked. The Network Address Usage metrics settings section has a checkbox for 'Enable Network Address Usage metrics', which is unchecked. At the bottom right, there are 'Cancel' and 'Save' buttons.

Getting Started test1 [Jenkins] Google Translate

aws Services Search [Option+S]

VPC > Your VPCs > vpc-0e190ca43b317839f > Edit VPC settings

Edit VPC settings Info

VPC details

VPC ID
vpc-0e190ca43b317839f

Name
my-vpc-01

DHCP settings

DHCP option set Info
dopt-0eef58e43ff0c9a11

DNS settings

☒ Enable DNS resolution Info

☒ Enable DNS hostnames Info

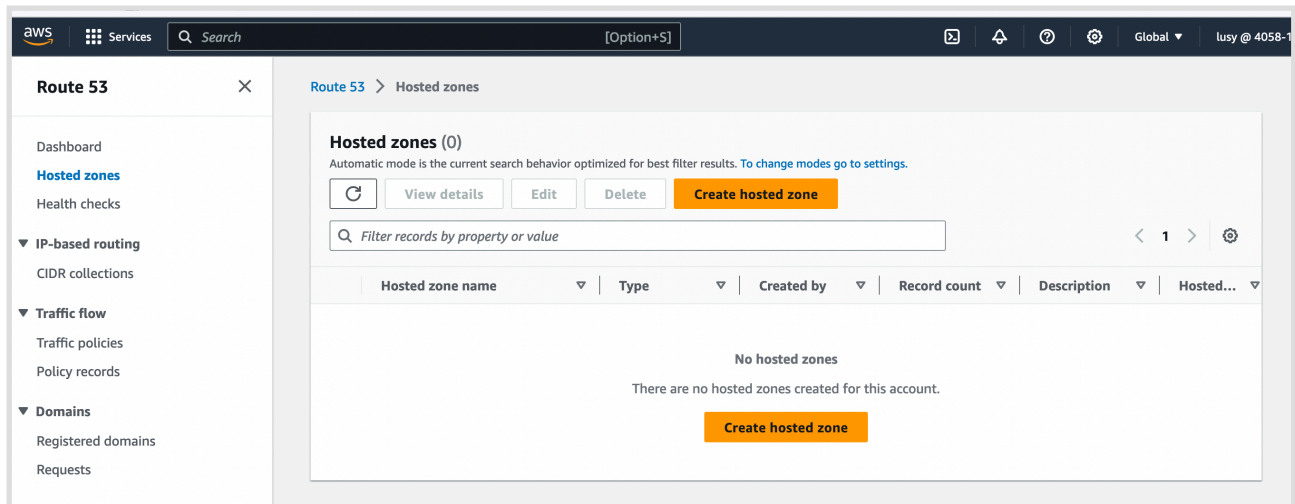
Network Address Usage metrics settings

☐ Enable Network Address Usage metrics Info

Cancel Save

Steps to access your private instance within your network using private hosted Zone

1. Navigate to Route 53 Dashboard and Click on Create Hosted Zones



2. Give your custom domain name and choose the type as Private Hosted Zone

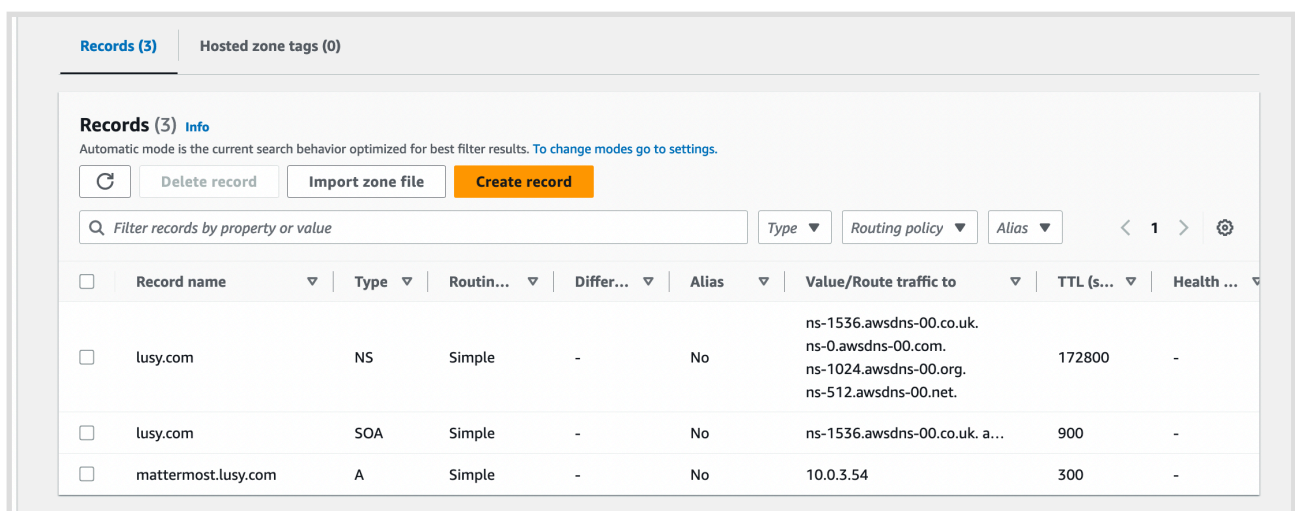
3. Choose your Region and VPC

4. Add Tags and click on Create Hosted zone your zone will be created

5. Navigate to your hosted zone and click on Create record

6. create an A record (this is your root Domain keep the record name empty)

7. Give your Mattermost instance IP address in value and click on Create records



8. Login to your nginx instance and point to your matter most instance using the domain name that you have created just now instead of ip address

TEST

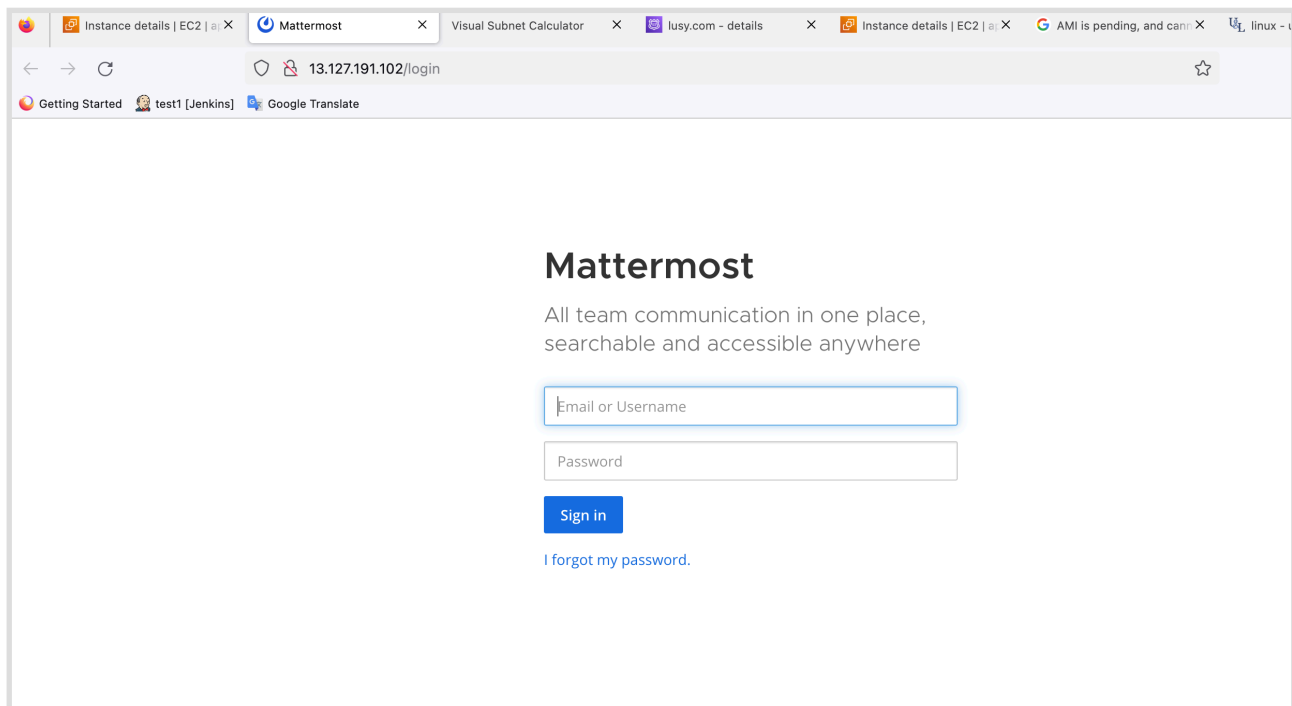
```
ec2-user@ip-10-0-1-178.ap-south-1.compute.internal /etc/nginx
ping mattermost.lusy.com
PING mattermost.lusy.com (10.0.3.54) 56(84) bytes of data.
64 bytes from ip-10-0-3-54.ap-south-1.compute.internal (10.0.3.54): icmp_seq=1 ttl=127 time=0.475 ms
64 bytes from ip-10-0-3-54.ap-south-1.compute.internal (10.0.3.54): icmp_seq=2 ttl=127 time=0.496 ms
64 bytes from ip-10-0-3-54.ap-south-1.compute.internal (10.0.3.54): icmp_seq=3 ttl=127 time=0.405 ms
64 bytes from ip-10-0-3-54.ap-south-1.compute.internal (10.0.3.54): icmp_seq=4 ttl=127 time=0.497 ms
64 bytes from ip-10-0-3-54.ap-south-1.compute.internal (10.0.3.54): icmp_seq=5 ttl=127 time=0.481 ms
64 bytes from ip-10-0-3-54.ap-south-1.compute.internal (10.0.3.54): icmp_seq=6 ttl=127 time=0.417 ms
64 bytes from ip-10-0-3-54.ap-south-1.compute.internal (10.0.3.54): icmp_seq=7 ttl=127 time=0.435 ms
64 bytes from ip-10-0-3-54.ap-south-1.compute.internal (10.0.3.54): icmp_seq=8 ttl=127 time=0.441 ms
```

```
upstream backend {
    server mattermost.lusy.com:8065;
    keepalive 32;
}

proxy_cache_path /var/cache/nginx levels=1:2 keys_zone=mattermost_cache:10m max_size=3g inactive=120m use_temp_path=off;

server {
    listen 80;
    server_name 10.0.1.178;
```

9. Now start your Mattermost and MySQL instances and access your nginx it should show the Mattermost page



10. Similarly create a subdomain for the MySQL instance log in to your matter most and point your MySQL instance using the subdomain name that you have created just now instead of IP address

Route 53 > Hosted zones > lusy.com > Create record

Create record [Info](#)

Quick create record [Switch to wizard](#)

Record 1 [Delete](#)

Record name [Info](#)

.lusy.com

Keep blank to create a record for the root domain.

☐ Alias

Value [Info](#)

Enter multiple values on separate lines.

TTL (seconds) [Info](#)

1m 1h 1d

Recommended values: 60 to 172800 (two days)

Record type [Info](#)

A – Routes traffic to an IPv4 address and some AWS resources

Routing policy [Info](#)

Simple routing

[Add another record](#)

[Cancel](#) [Create records](#)

Records (4) Hosted zone tags (0)

Records (4) [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](#)

[Type](#) [Routing policy](#) [Alias](#) [< 1 >](#) [Settings](#)

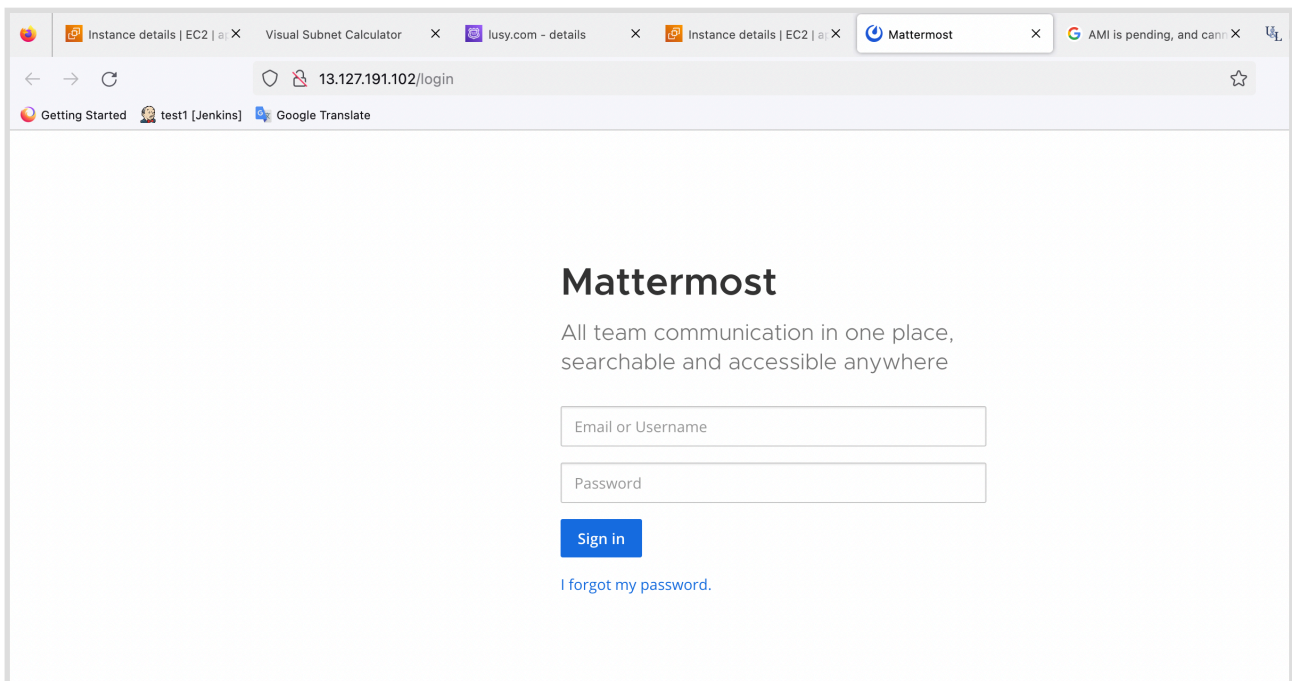
<input type="checkbox"/>	Record name	Type	Routin...	Differ...	Alias	Value/Route traffic to	TTL (s...	Health ...
<input type="checkbox"/>	lusy.com	NS	Simple	-	No	ns-1536.awsdns-00.co.uk. ns-0.awsdns-00.com. ns-1024.awsdns-00.org. ns-512.awsdns-00.net.	172800	-
<input type="checkbox"/>	lusy.com	SOA	Simple	-	No	ns-1536.awsdns-00.co.uk. a...	900	-
<input type="checkbox"/>	mattermost.lusy.com	A	Simple	-	No	10.0.3.54	300	-
<input type="checkbox"/>	mysqladb.lusy.com	A	Simple	-	No	10.0.3.66	300	-

```
[ec2-user@ip-10-0-3-54 ~]$ ping mysqlb.lusy.com
PING mysqlb.lusy.com (10.0.3.66) 56(84) bytes of data: Test in app-server
64 bytes from ip-10-0-3-66.ap-south-1.compute.internal (10.0.3.66): icmp_seq=1 ttl=127 time=0.429 ms
64 bytes from ip-10-0-3-66.ap-south-1.compute.internal (10.0.3.66): icmp_seq=2 ttl=127 time=0.469 ms
64 bytes from ip-10-0-3-66.ap-south-1.compute.internal (10.0.3.66): icmp_seq=3 ttl=127 time=0.432 ms
```

```
},
"SqlSettings": {
  "DriverName": "mysql",
  "DataSource": "mattermost:Mattermost!123@tcp(mysqlb.lusy.com:3306)/mattermost?charset=utf8mb4,utf8\u0026writeTimeout=30s",
  "DataSourceReplicas": [],
```

```
[ec2-user@ip-10-0-3-54 ~]$ sudo systemctl restart mattermost
[ec2-user@ip-10-0-3-54 ~]$ sudo systemctl status mattermost
● mattermost.service - Mattermost
   Loaded: loaded (/etc/systemd/system/mattermost.service; enabled; preset: disabled)
   Active: active (running) since Tue 2023-11-14 18:35:44 UTC; 3s ago
     Main PID: 2652 (mattermost)
        Tasks: 32 (limit: 1114)
       Memory: 351.7M
          CPU: 6.239s
```

11. Now access your nginx in the browser it should show the Mattermost page



Done Assignment

Additional (But we cant access outside the network)

