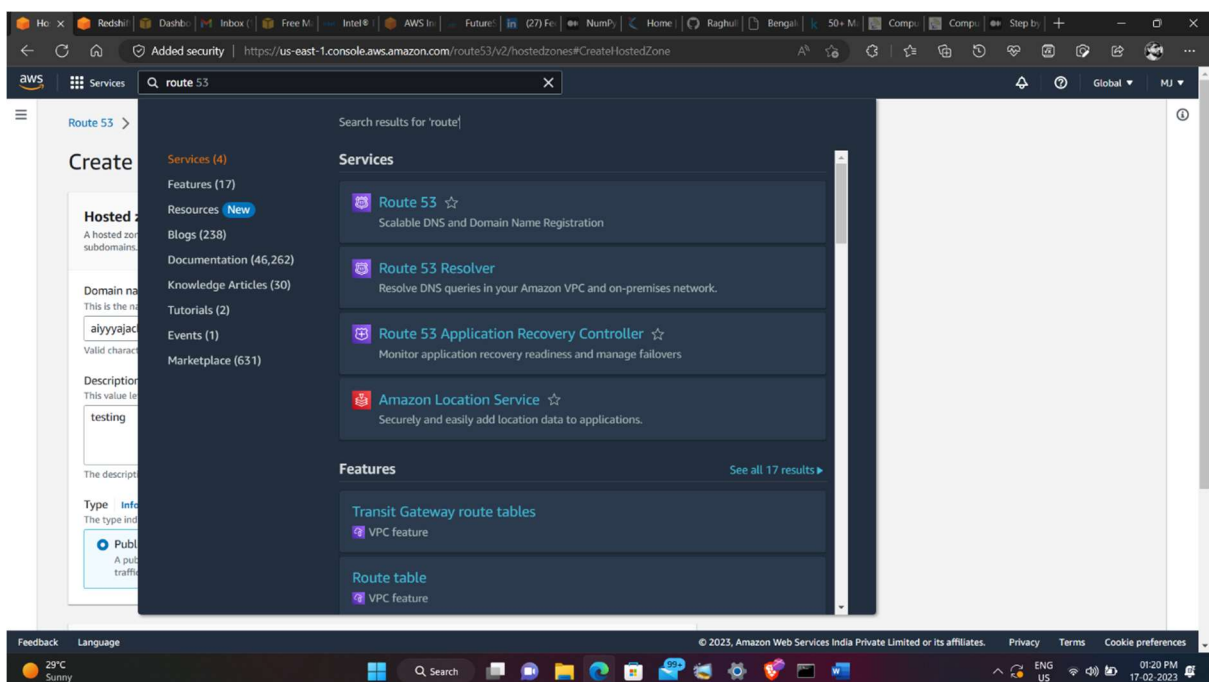
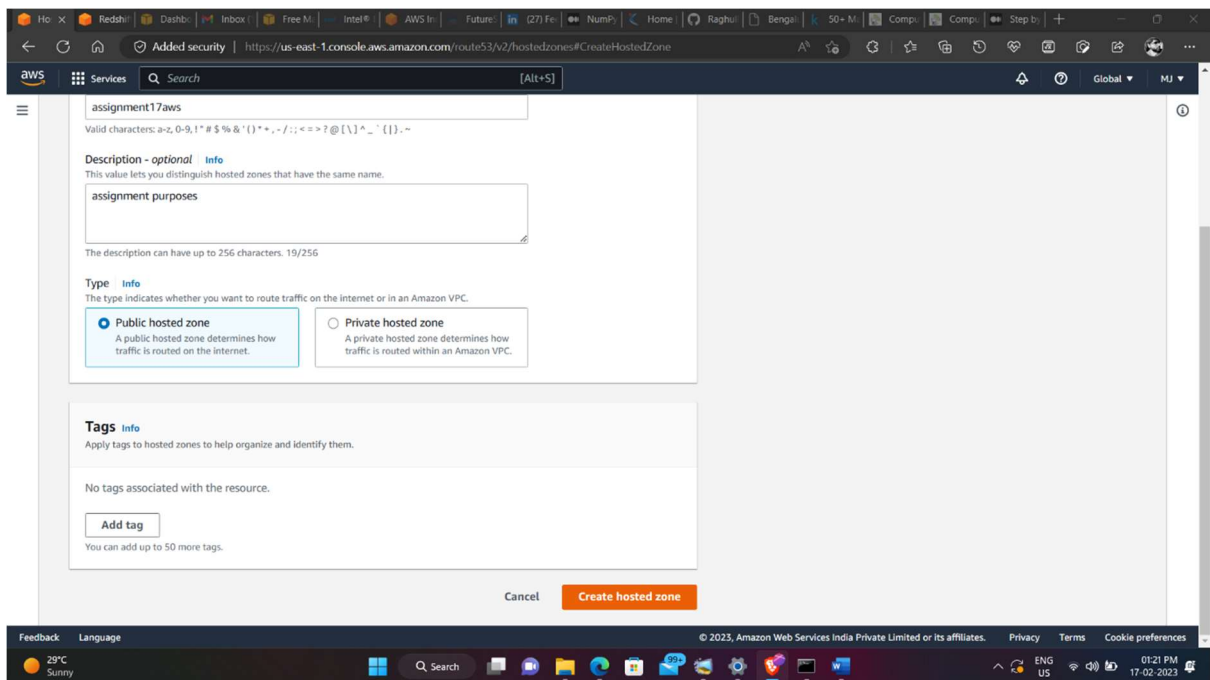
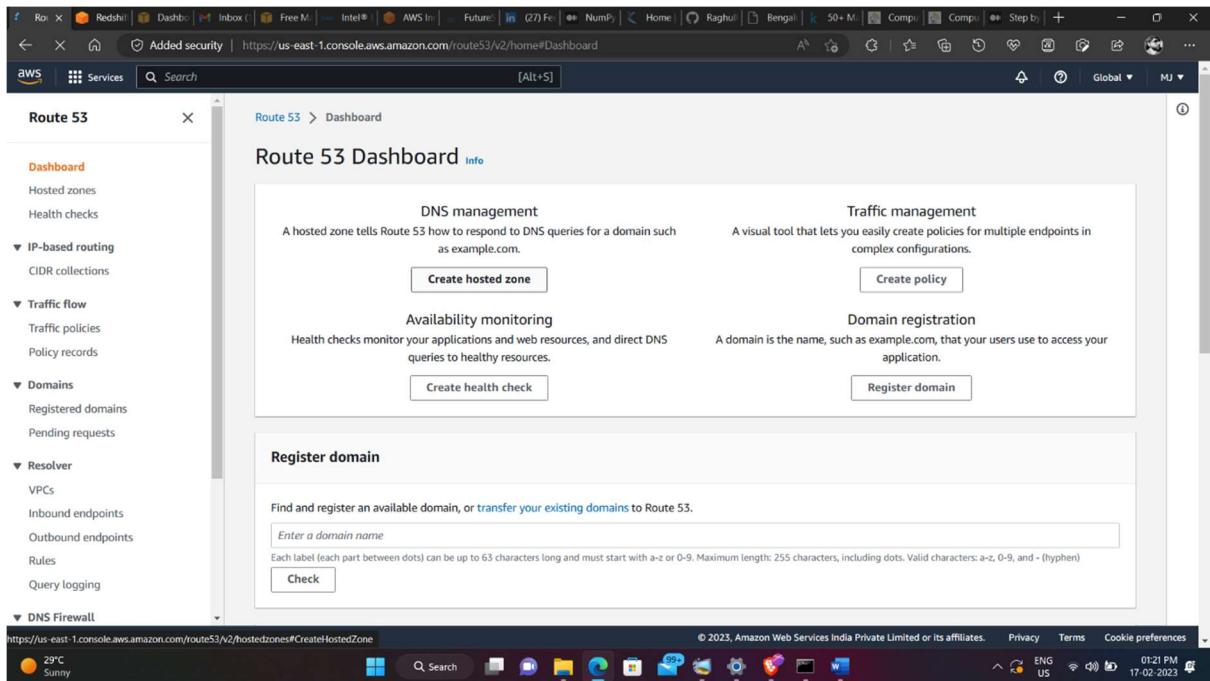


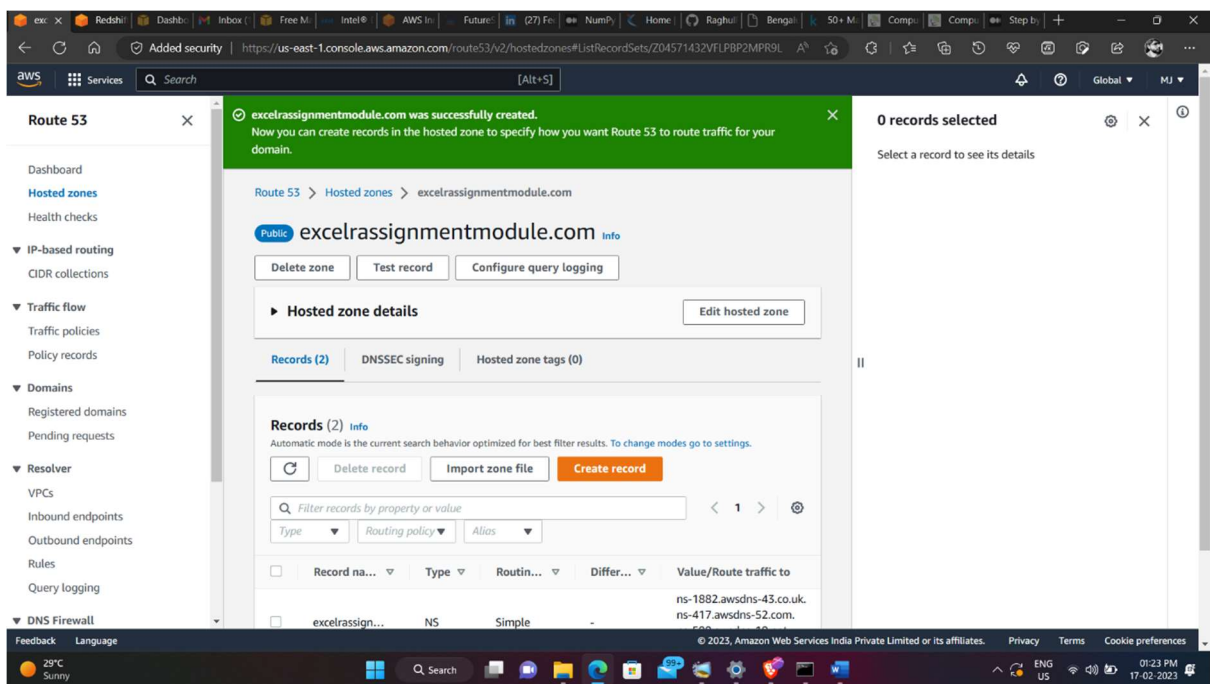
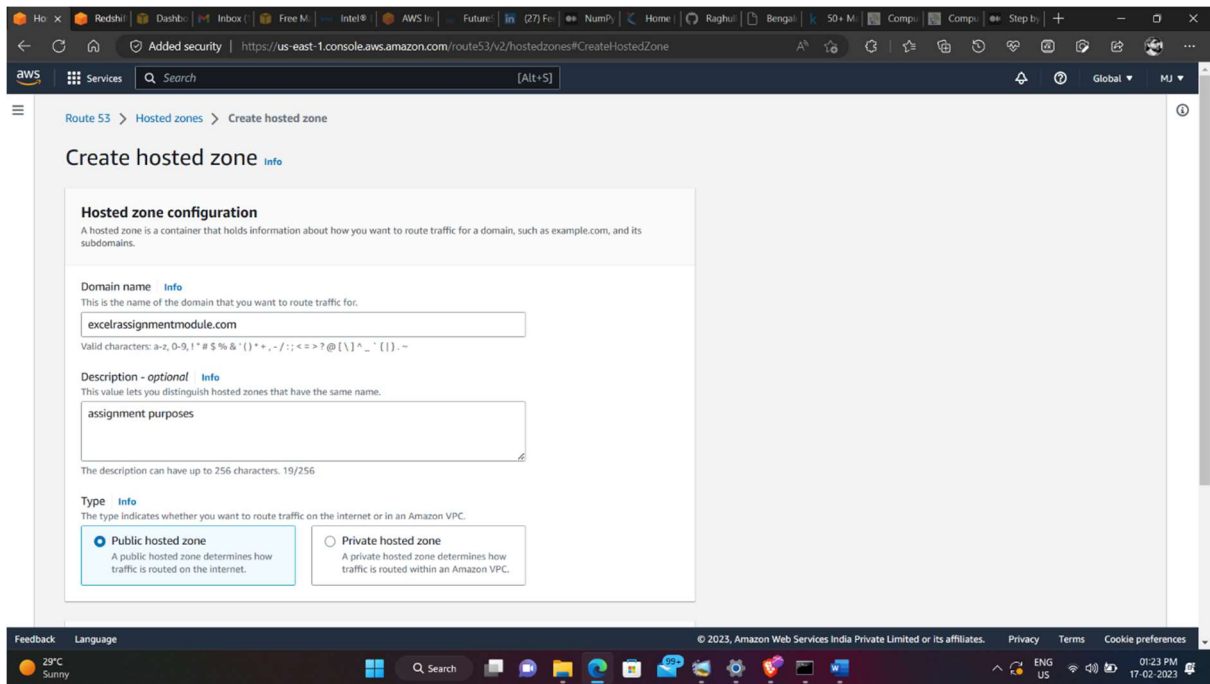
Assignment 1:

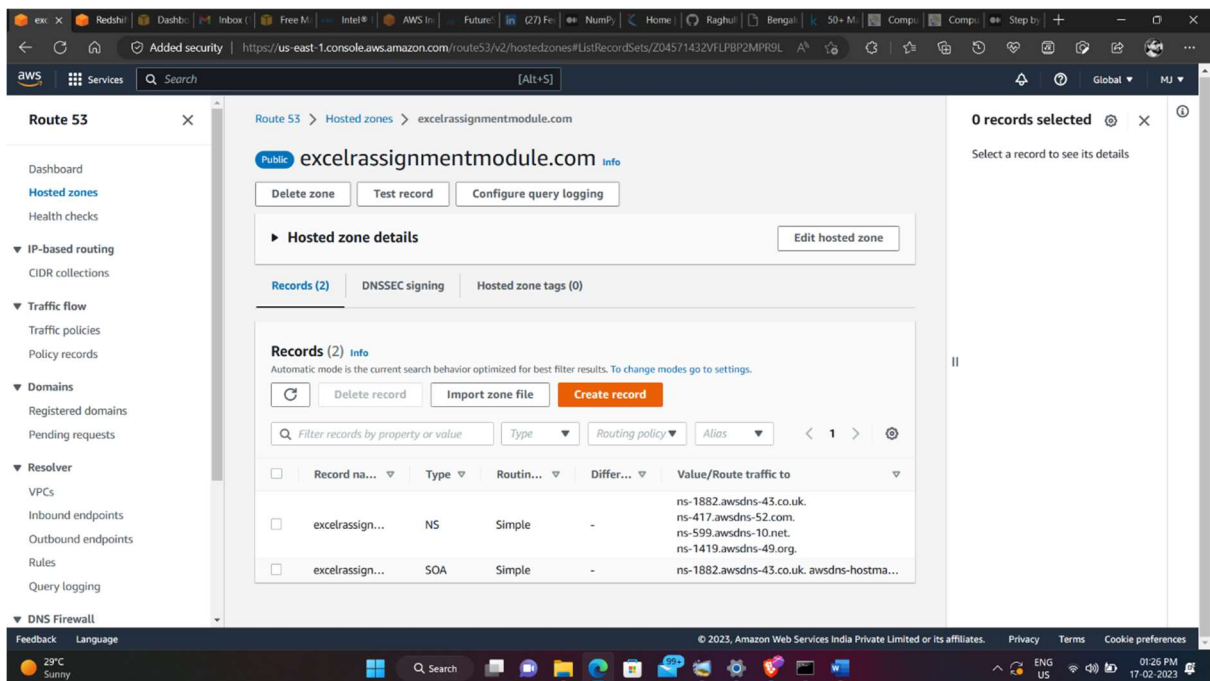
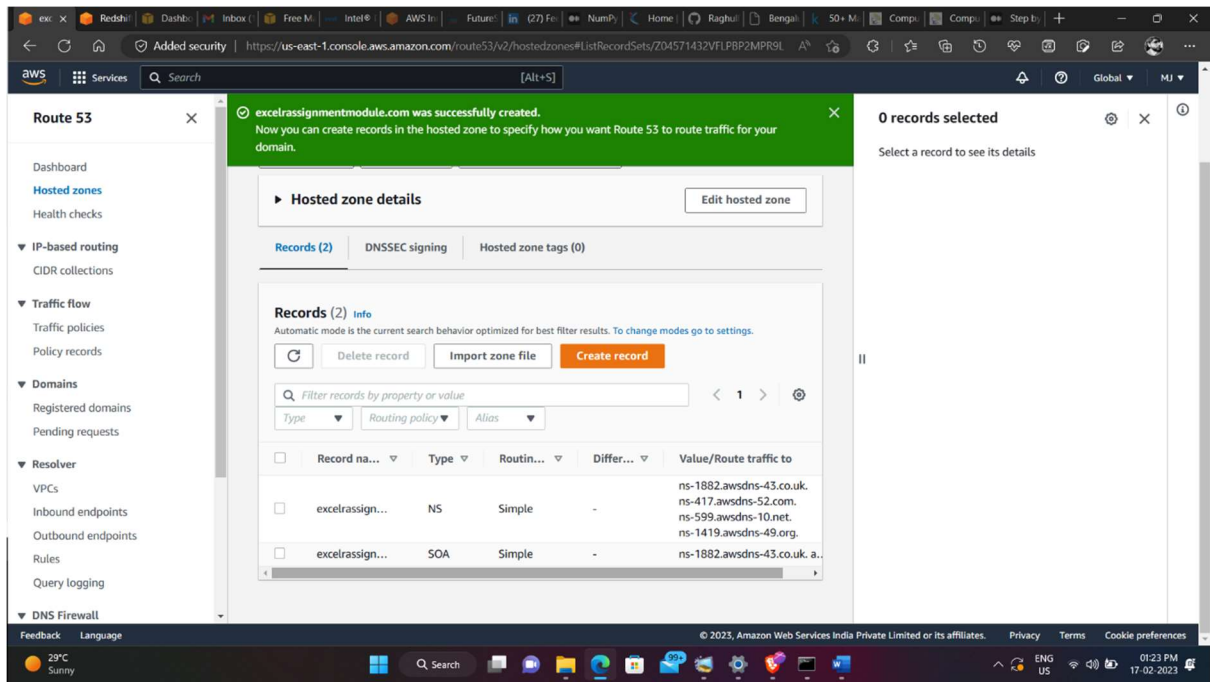
Creation of Amazon Route53 with Domain creation (How to Configure Amazon Route 53?)

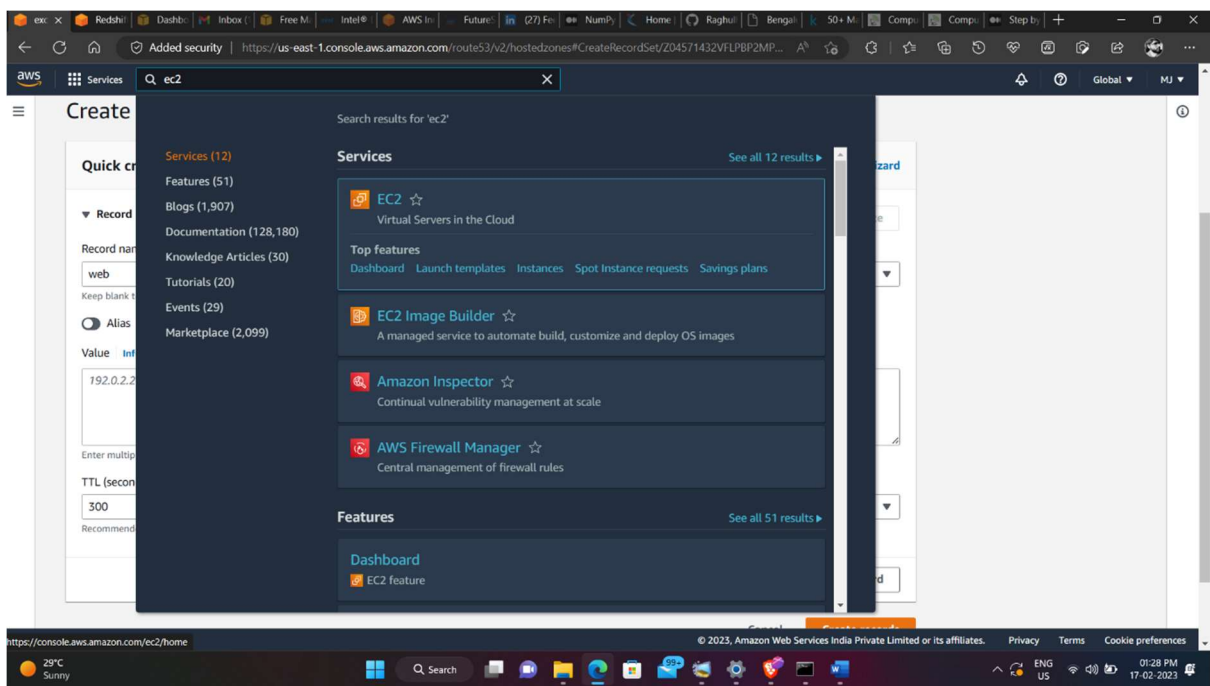
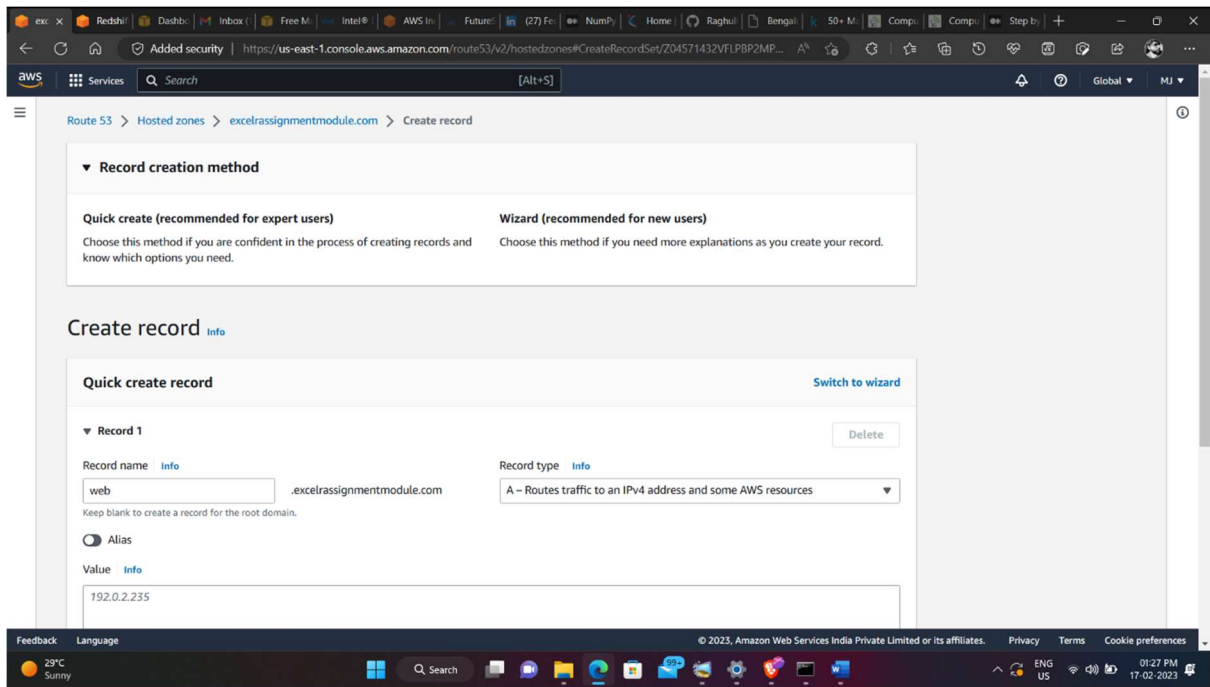
- Search for 'Route 53' in the management console and select it. You will be redirected to the dashboard page.
- Here select 'Create hosted zone', you will be taken to that page, give the domain name with proper suffix and select 'Public hosted zone' if you want it to be available to all and click on 'Create host'.
- Wait until you see a successfully created message at the top of the screen.
- Before clicking on the create a Linux instance and install a Apache test server and check if it is working properly.
- Then click on 'Create record' in the zone which you have hosted.
- Give a proper prefix to your zone, select the type of record type which is most suitable for your activity and copy paste the public IPv4 address of the created instance to value.
- Click on 'Create records'.
- Wait for some time for the record to get created successfully. Then select the record created you will find a link to the website which you have created in that.
- Here the link is not working in the browser because we have not purchased that DNS.











Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags

Name: Add additional tags

Application and OS Images (Amazon Machine Image)

Search our full catalog including 1000s of application and OS images

Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat S

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI...read more

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage.

Cancel Launch instance

Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

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Amazon Linux macOS Ubuntu Windows Red Hat S

Summary

Number of instances: 1

Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI...read more

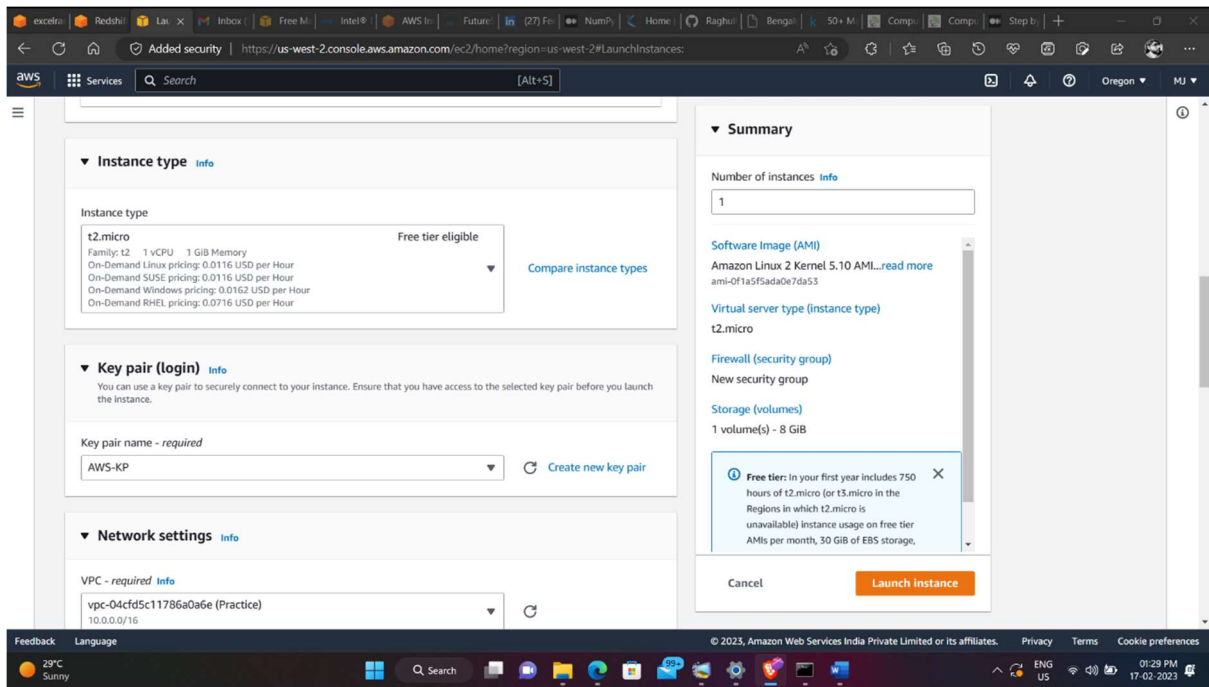
Virtual server type (instance type): t2.micro

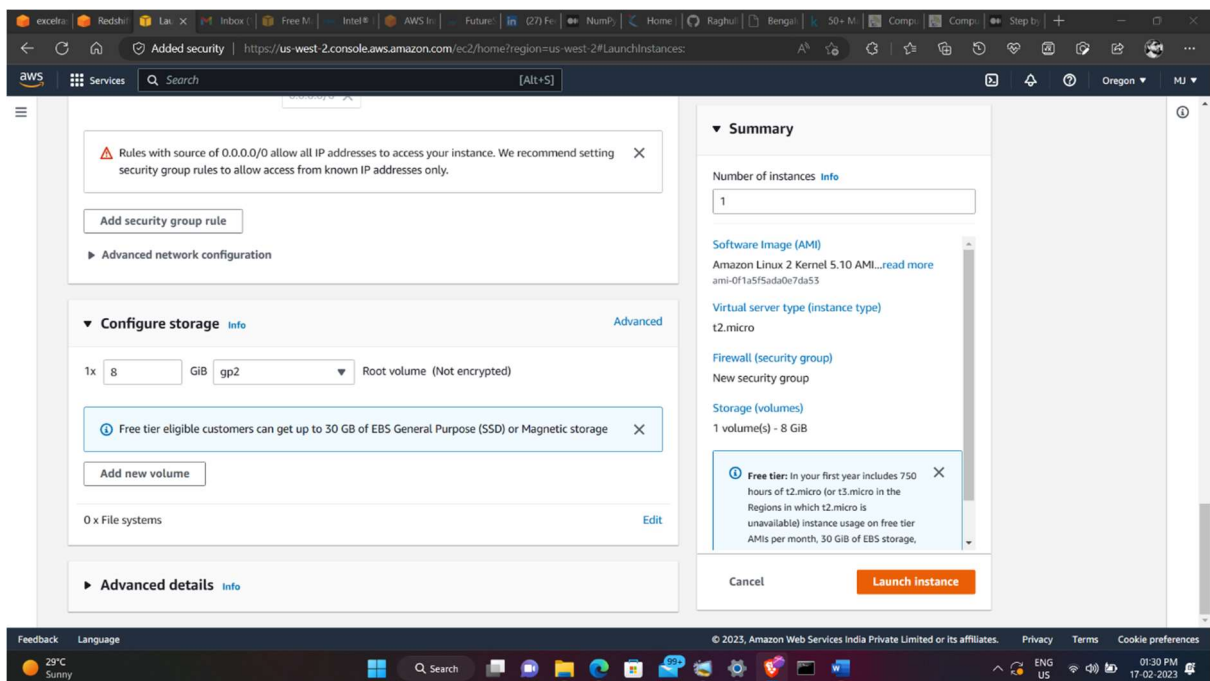
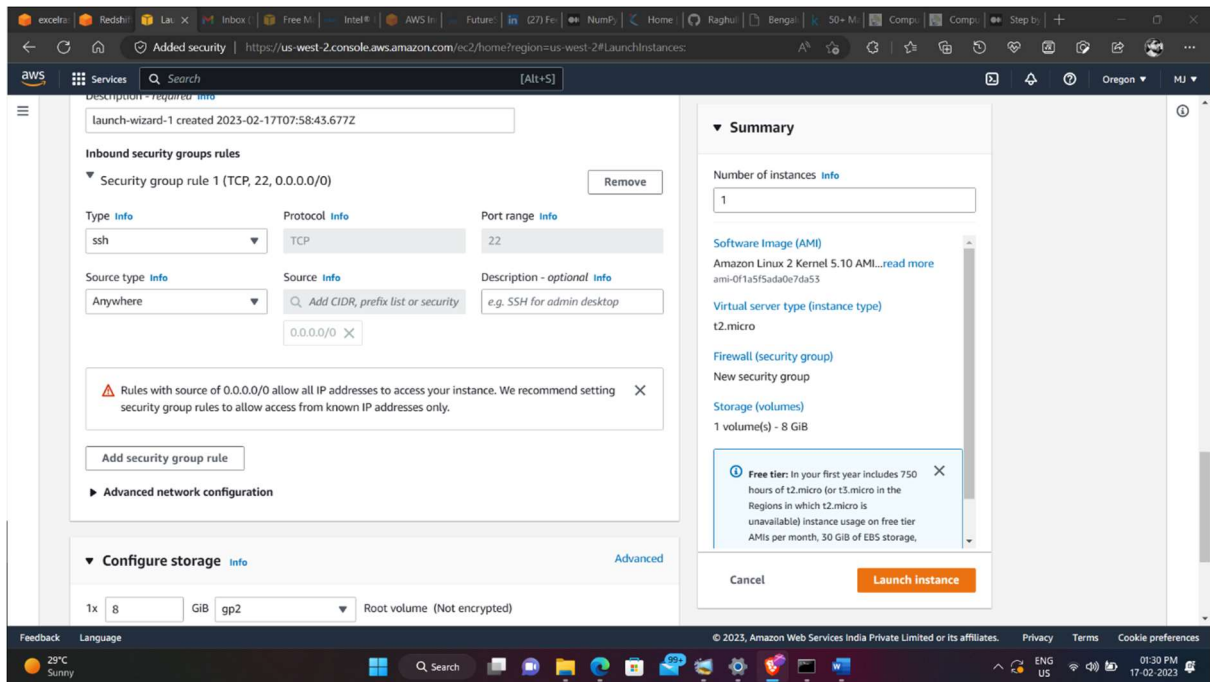
Firewall (security group): New security group

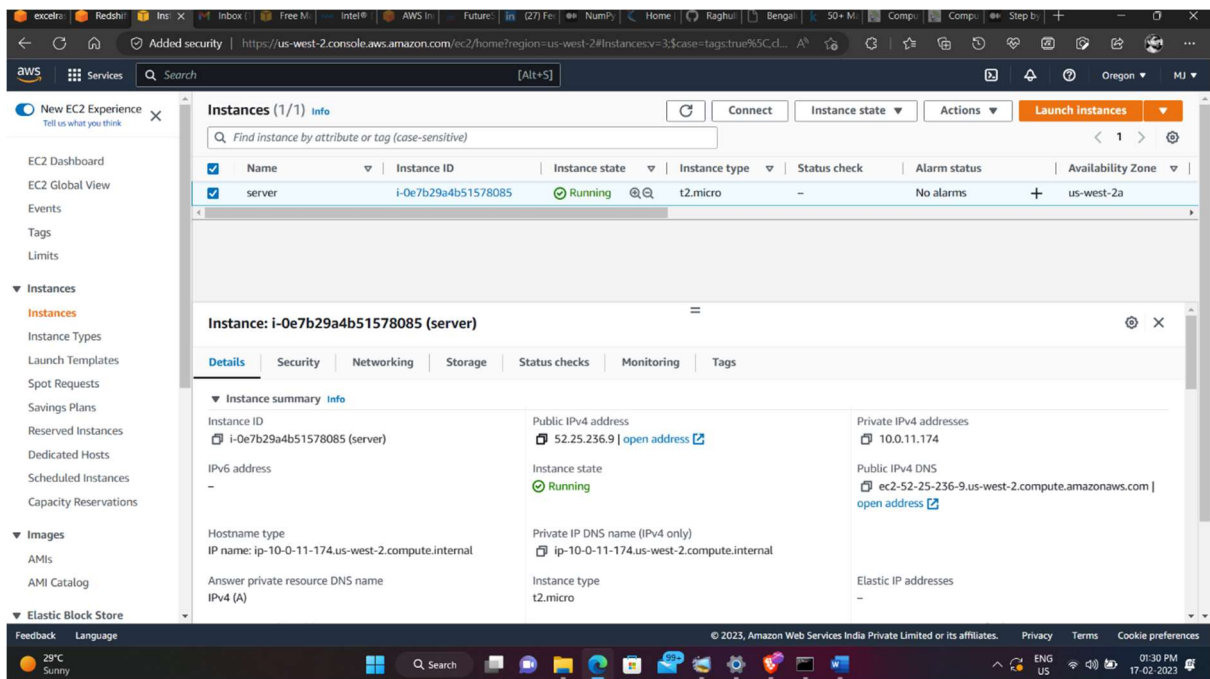
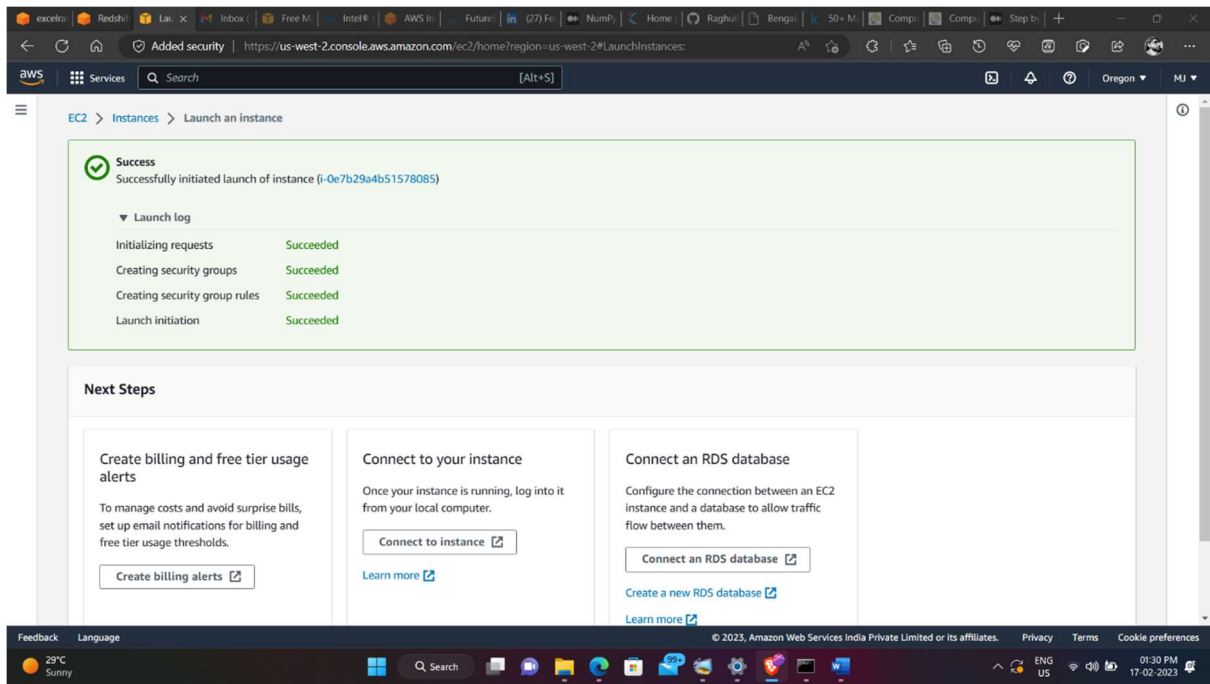
Storage (volumes): 1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage.

Cancel Launch instance







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Added security | https://us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:sv=3&case-tags=true%5Cd... A

BWS Services Search [Alt+S] Oregon MU

New EC2 Experience Tell us what you think

EC2 Dashboard
EC2 Global View
Events
Tags
Limits

▼ Instances

Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations

▼ Images

AMIs
AMI Catalog

▼ Elastic Block Store

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
server	i-0e7b29a4b51578085	Running	t2.micro	Initializing	No alarms	us-west-2a

Instance: i-0e7b29a4b51578085 (server)

Details Security Networking Storage Status checks Monitoring Tags

▼ Instance summary info

Instance ID i-0e7b29a4b51578085 (server)	Public IPv4 address 52.25.236.9 open address	Private IPv4 addresses 10.0.11.174
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-52-25-236-9.us-west-2.compute.amazonaws.com open address
Hostname type IP name: ip-10-0-11-174.us-west-2.compute.internal	Private IP DNS name (IPv4 only) ip-10-0-11-174.us-west-2.compute.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	

Feedback Language

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Added security | https://us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#ConnectToInstance:instanceId=i-0e7... A

aws Services Search [Alt+S] Oregon MU

EC2 > Instances > i-0e7b29a4b51578085 > Connect to instance

Connect to instance info

Connect to your instance i-0e7b29a4b51578085 (server) using any of these options

EC2 Instance Connect Session Manager SSH client EC2 serial console

Instance ID
i-0e7b29a4b51578085 (server)

Public IP address
52.25.236.9

User name
Enter the user name defined in the AMI used to launch the instance. If you didn't define a custom user name, use the default user name, ec2-user.

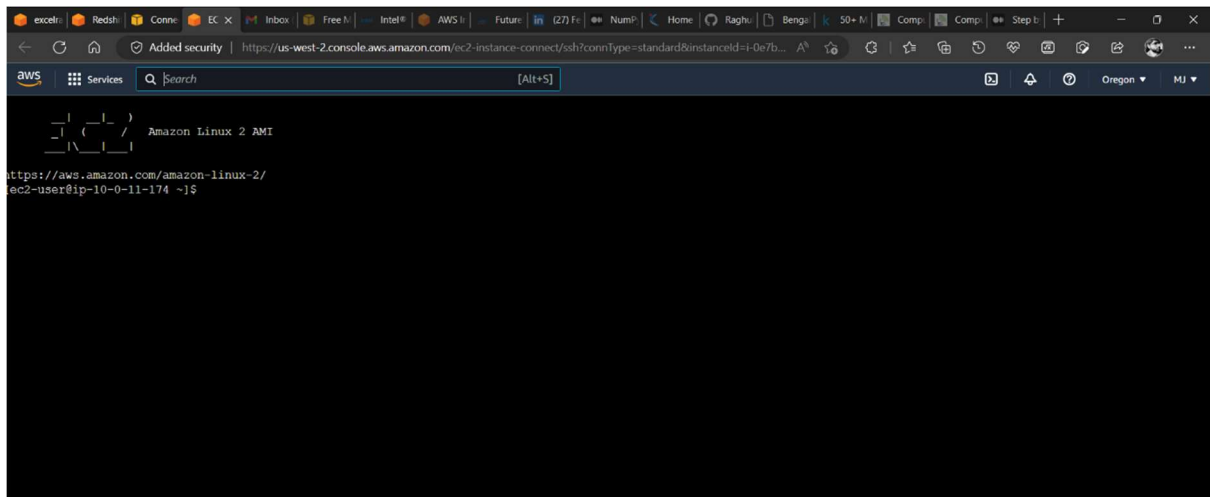
ec2-user

Note: In most cases, the default user name, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.

Cancel Connect

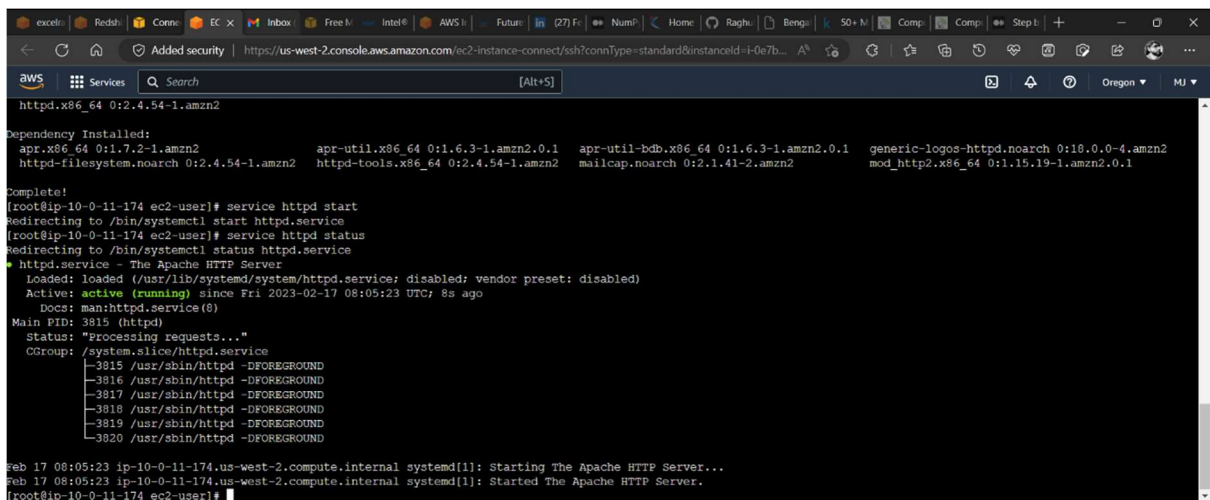
https://us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-west-2&connType=standard&instanceId=i-0e7b29a4b51578085&osUser=ec2-user&sshPort=22 Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

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i-0e7b29a4b51578085 (server)

PublicIPs: 52.25.236.9 PrivateIPs: 10.0.11.174



i-0e7b29a4b51578085 (server)

PublicIPs: 52.25.236.9 PrivateIPs: 10.0.11.174



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Added security | https://us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances.v=3&case-tags=true%5Cd... A

Services Search [Alt+S] Oregon MJ

New EC2 Experience Tell us what you think

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Images

AMIs
AMI Catalog

Elastic Block Store

Instances (1/1) Info

Find instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
server	i-0e7b29a4b51578085	Running	t2.micro	2/2 checks passed	No alarms	us-west-2a

Instance: i-0e7b29a4b51578085 (server)

Details Security Networking Storage Status checks Monitoring Tags

Instance summary info

Instance ID i-0e7b29a4b51578085 (server)	Public IPv4 address 52.25.236.9 open address	Private IPv4 addresses 10.0.11.174
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-52-25-236-9.us-west-2.compute.amazonaws.com open address
Hostname type IP name: ip-10-0-11-174.us-west-2.compute.internal	Private IP DNS name (IPv4 only) ip-10-0-11-174.us-west-2.compute.internal	Elastic IP addresses -
Answer private resource DNS name IPv4 (A)	Instance type t2.micro	

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Not secure | ec2-52-25-236-9.us-west-2.compute.amazonaws.com

Test Page

This page is used to test the proper operation of the Apache HTTP server after it has been installed. If you can read this page, it means that the Apache HTTP server installed at this site is working properly.

If you are a member of the general public:

The fact that you are seeing this page indicates that the website you just visited is either experiencing problems, or is undergoing routine maintenance.

If you would like to let the administrators of this website know that you've seen this page instead of the page you expected, you should send them e-mail. In general, mail sent to the name "webmaster" and directed to the website's domain should reach the appropriate person.

For example, if you experienced problems while visiting [www.example.com](#), you should send e-mail to "webmaster@example.com".

If you are the website administrator:

You may now add content to the directory `/var/www/html/`. Note that until you do so, people visiting your website will see this page, and not your content. To prevent this page from ever being used, follow the instructions in the file `/etc/httpd/conf.d/welcome.conf`.

You are free to use the image below on web sites powered by the Apache HTTP Server:



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ex x Instanc Test P EC2 In Inbox Free H Intel B AWS I Futur lin (27) Fe NumP Home Raghu Benga k 50+ M Comp Comp Step I +

Added security | https://us-east-1.console.aws.amazon.com/route53/v2/hostedzones#CreateRecordSet/Z04571432VFLP8P2MP... A

Services ec2

Global MJ

Record 1

Delete

Record name [Info](#)

Record type [Info](#)

web .excelrassignmentmodule.com A – Routes traffic to an IPv4 address and some AWS resources

Keep blank to create a record for the root domain.

Alias

Value [Info](#)

52.25.236.9

Enter multiple values on separate lines.

TTL (seconds) [Info](#)

300 1m 1h 1d

Routing policy [Info](#)

Simple routing

Recommended values: 60 to 172800 (two days)

Add another record

Cancel Create records

View existing records

The following table lists the existing records in excelrassignmentmodule.com.

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Search

ENG US 01:46 PM 17-02-2023

ex x Instanc Test P EC2 In Inbox Free H Intel B AWS I Futur lin (27) Fe NumP Home Raghu Benga k 50+ M Comp Comp Step I +

Added security | https://us-east-1.console.aws.amazon.com/route53/v2/hostedzones#ListRecordSets/Z04571432VFLP8P2MPR9L A

Services ec2

Global MJ

Route 53

Dashboard

Hosted zones

Health checks

IP-based routing

CIDR collections

Traffic flow

Traffic policies

Policy records

Domains

Registered domains

Pending requests

Resolver

VPCs

Inbound endpoints

Outbound endpoints

Rules

Query logging

DNS Firewall

Record for excelrassignmentmodule.com was successfully created.

View status

Route 53 propagates your changes to all of the Route 53 authoritative DNS servers within 60 seconds. Use "View status" button to check propagation status.

Route 53 > Hosted zones > excelrassignmentmodule.com

Public excelrassignmentmodule.com [Info](#)

Delete zone Test record Configure query logging

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.

Delete record Import zone file Create record

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

	Record name	Type	Routin...	Differ...	Value/Route traffic to
<input type="checkbox"/>	excelrassignm...	NS	Simple	-	ns-1882.awsdns-43.co.uk. ns-417.awsdns-52.com. ns-599.awsdns-10.net. ns-1419.awsdns-49.org.

0 records selected

Select a record to see its details

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Search

ENG US 01:46 PM 17-02-2023

Route 53 > Hosted zones > excelrassignmentmodule.com

Public excelrassignmentmodule.com [Info](#) [Delete zone](#) [Test record](#) [Configure query logging](#)

► 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.](#)

[Delete record](#) [Import zone file](#) [Create record](#)

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

<input type="checkbox"/>	Record name	Type	Routin...	Differ...	Value/Route traffic to
<input type="checkbox"/>	excelrassignmentmodule.com	NS	Simple	-	ns-1882.awsdns-43.co.uk. ns-417.awsdns-52.com. ns-599.awsdns-10.net. ns-1419.awsdns-49.org.
<input type="checkbox"/>	excelrassignmentmodule.com	SOA	Simple	-	ns-1882.awsdns-43.co.uk. awsdns-hostmaster.amazon.c...
<input type="checkbox"/>	web.excelrassignmentmodule.com	A	Simple	-	52.25.236.9

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Route 53 > Hosted zones > excelrassignmentmodule.com

Public excelrassignmentmodule.com [Info](#) [Delete zone](#) [Test record](#) [Configure query logging](#)

► Hosted zone details [Edit hosted zone](#)

[Records \(3\)](#) [DNSSEC signing](#) [Hosted zone tags \(0\)](#)

Records (1/3) [Info](#)
Automatic mode is the current search behavior optimized for best filter results. [To change modes go to settings.](#)

[Delete record](#) [Import zone file](#) [Create record](#)

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

<input checked="" type="checkbox"/>	Record name	Type	Routin...	Differ...	Value/Route traffic to
<input type="checkbox"/>	excelrassignmentmodule.com	NS	Simple	-	ns-1882.awsdns-43.co.uk. ns-417.awsdns-52.com. ns-599.awsdns-10.net. ns-1419.awsdns-49.org.
<input type="checkbox"/>	excelrassignmentmodule.com	SOA	Simple	-	ns-1882.awsdns-43.co.uk. awsdns-hostmaster.amazon.c...
<input checked="" type="checkbox"/>	web.excelrassignmentmodule.com	A	Simple	-	52.25.236.9

Record details [Edit record](#)

Record name
web.excelrassignmentmodule.com

Record type
A

Value
52.25.236.9

Alias
No

TTL (seconds)
300

Routing policy
Simple

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Route 53 > Hosted zones > excelrassignmentmodule.com

Public excelrassignmentmodule.com

Hosted zones

Records (3)

Records (1/3)

Automatic mode is the default. You can switch to manual mode to edit records.

Filter records

Record name

Record type

Value

Alias

TTL (seconds)

Routing policy

Record details

Edit record

Record name

web.excelrassignmentmodule.com

Record type

A

Value

52.25.236.9

Alias

No

TTL (seconds)

300

Routing policy

Simple

This site can't be reached

web.excelrassignmentmodule.com's DNS address could not be found. Diagnosing the problem.

DNS_PROBE_POSSIBLE

Reload

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excelrassignmentmodule.com

Added security | https://us-west-2.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0e7b29a4b51578085

Search [Alt+S]

last login: Fri Feb 17 08:03:28 2023 from ec2-18-237-140-163.us-west-2.compute.amazonaws.com

```

 _ _ _ _ _
| | | | |
|_|_|_|_|_|
      Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
ec2-user@ip-10-0-11-174 ~]$ nslookup web.excelrassignmentmodule.com
Server:      10.0.0.2
Address:     10.0.0.2#53

** server can't find web.excelrassignmentmodule.com: NXDOMAIN

ec2-user@ip-10-0-11-174 ~]$
```

i-0e7b29a4b51578085 (server)

PublicIPs: 52.25.236.9 PrivateIPs: 10.0.11.174

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