

Route 53 – DNS Service (Domain name system)

Launch an EC2 instance ,and install an apache server on it (httpd)

Here I am launching instance from an existing template

Launch instance from template

Launching from a template allows you to launch from an instance configuration that you would have saved in the past. These saved configurations can be reused and shared with other users to standardize launches across an organisation.

Choose a launch template

Source template

asg_template_home
ID: lt-0f26a8a4fe1dcf38d

2 (Default)
asg_template_home

Instance details

Your instance details are listed below. Any fields that are not specified as part of the configuration below will use the template or default values for those fields. Ensure that you have permissions to override these parameters or your instance launch will fail.

Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

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

Summary

Number of instances [Info](#)

1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2...[read more](#)
ami-07b69f62c1d38b012

Virtual server type (instance type)
t2.micro

Firewall (security group)
default

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)

[Cancel](#) [Launch instance](#) [Preview code](#)

Launch instance from template

Allow tags in metadata [Info](#)

Template or default value

User data - optional [Info](#)

Upload a file with your user data or enter it in the field.

[Choose file](#)

```
#!/bin/bash
sudo -i
yum install httpd -y
systemctl start httpd
systemctl enable httpd
cd /var/www/html/
echo "This is home section $(hostname)" >> index.html
```

☐ User data has already been base64 encoded

Summary

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1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.6.2...[read more](#)
ami-07b69f62c1d38b012

Virtual server type (instance type)
t2.micro

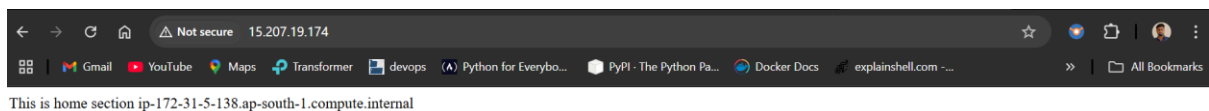
Firewall (security group)
default

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

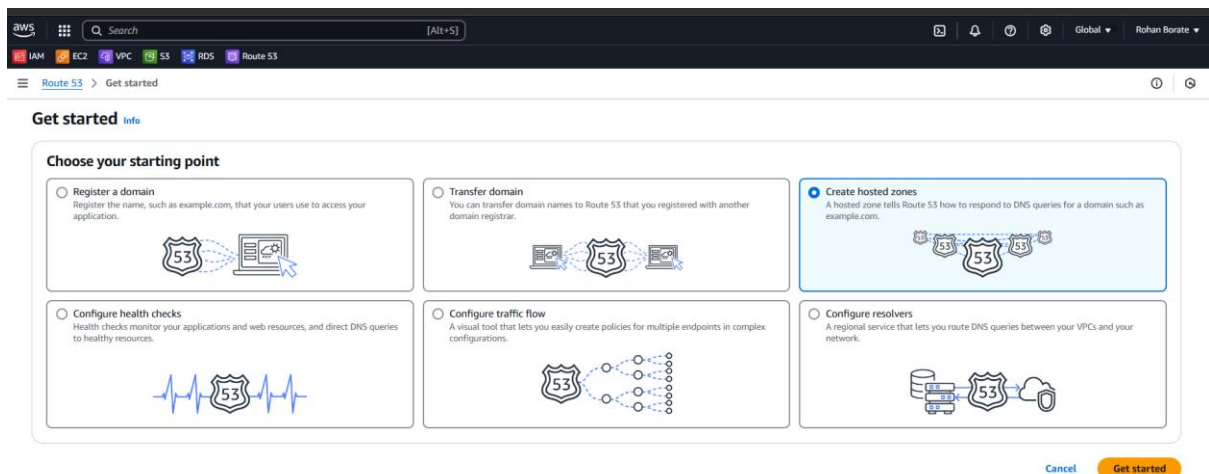
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is)

[Cancel](#) [Launch instance](#) [Preview code](#)

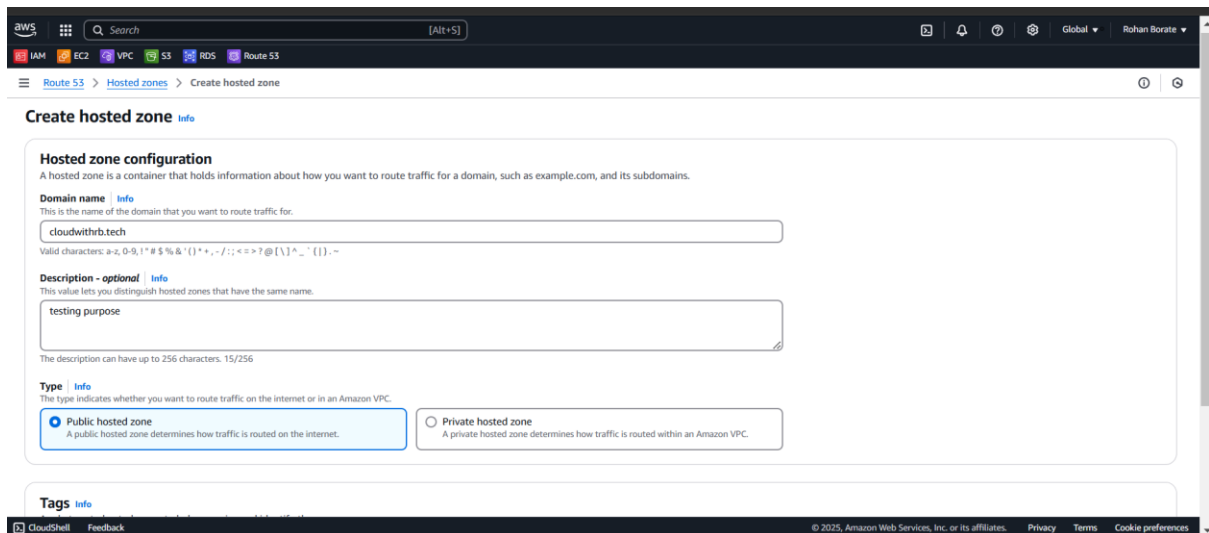
Now check install httpd server is running (with public IP of instance)



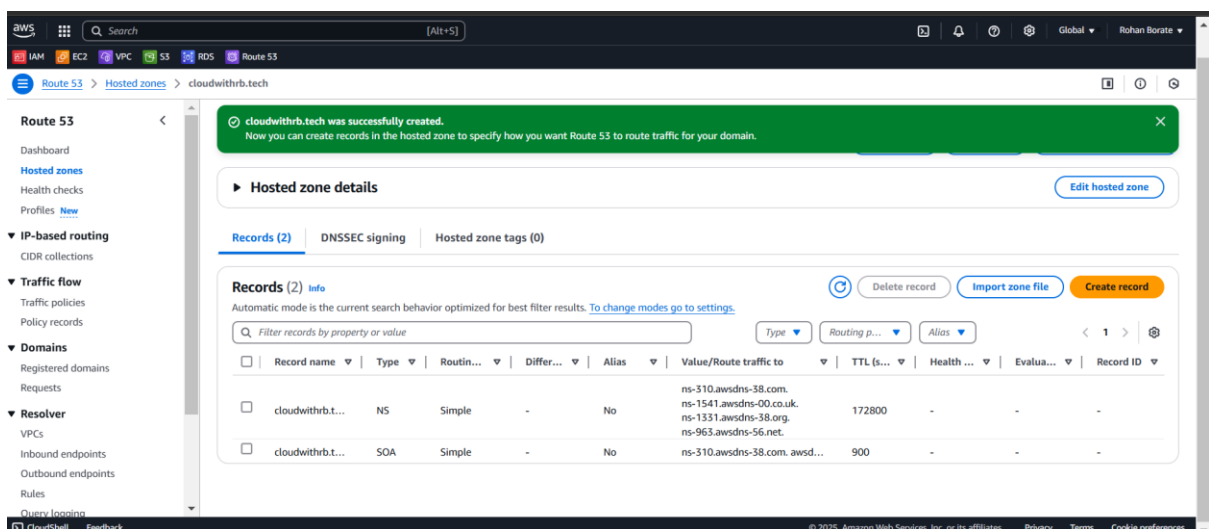
Now go to AWS route 53 and create hosted zone



Add your domain name



Hosted zone is created



Then you have to add this Name services (check in above image , Type NS) in Hostinger

Copy this name service and paste in hostinger

Go to → hostinger → Domains → Domain portfolio → click on your domain name → DNS/Nameservers → change Nameservers

hpanel.hostinger.com/domain/cloudwithrb.tech/dns

HOSTINGER Refer & Earn 200 USD

< Main menu

Domain Overview

DNS / Nameservers

Domain Ownership

Give feedback

Select Nameservers

☐ Use Hostinger nameservers (recommended)

☒ Change nameservers

ns-310.awsdns-38.com

ns-1541.awsdns-00.co.uk

ns-1331.awsdns-38.org

ns-963.awsdns-56.net

Save Cancel

HOSTINGER Refer & Earn 200 USD

< Main menu

Domain Overview

DNS / Nameservers

Domain Ownership

Give feedback

Nameservers changed!

Your nameservers has been changed to:

ns-1331.awsdns-38.org

ns-1541.awsdns-00.co.uk

ns-310.awsdns-38.com

ns-963.awsdns-56.net

It might take up to 24 hours for the domain to propagate to the new nameservers.

Close

Then go to hosted zones ,click on create records

The screenshot shows the AWS Route 53 console for the hosted zone 'cloudwithrb.tech'. The 'Records (2)' tab is selected, showing a table with two records: an NS record for 'cloudwithrb.tech' and a SOA record. A red arrow points to the 'Create record' button in the top right corner of the records section.

Record name	Type	Routing policy	Value/Route traffic to	TTL (s)	Health check	Evaluation	Record ID
cloudwithrb.tech	NS	Simple	ns-310.awsdns-38.com, ns-1541.awsdns-00.co.uk, ns-1331.awsdns-38.org, ns-963.awsdns-56.net	172800	-	-	-
cloudwithrb.tech	SOA	Simple	ns-310.awsdns-38.com, aws...	900	-	-	-

Add your server public IP(basically it binds your ip with domain name)

The screenshot shows the 'Create record' wizard in the AWS Route 53 console. The 'Record name' is 'subdomain' and the 'Value' is '15.207.19.174'. The 'Record type' is 'A - Routes traffic to an IPv4 address and some AWS resources'. The 'TTL (seconds)' is '300' and the 'Routing policy' is 'Simple routing'.

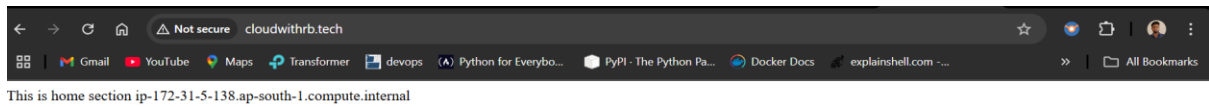
Record name: subdomain
Record type: A - Routes traffic to an IPv4 address and some AWS resources
Value: 15.207.19.174
TTL (seconds): 300
Routing policy: Simple routing

Check that record is created

The screenshot shows the AWS Route 53 console for the hosted zone 'cloudwithrb.tech'. A blue banner at the top indicates that the record was successfully created. The 'Records (3)' tab is selected, showing a table with three records: an A record for 'subdomain', an NS record for 'cloudwithrb.tech', and a SOA record for 'cloudwithrb.tech'.

Record name	Type	Routing policy	Value/Route traffic to	TTL (s)	Health check	Evaluation	Record ID
subdomain	A	Simple	15.207.19.174	300	-	-	-
cloudwithrb.tech	NS	Simple	ns-310.awsdns-38.com, ns-1541.awsdns-00.co.uk, ns-1331.awsdns-38.org, ns-963.awsdns-56.net	172800	-	-	-
cloudwithrb.tech	SOA	Simple	ns-310.awsdns-38.com, aws...	900	-	-	-

Go to the browser and hit your domain , in my case it is cloudwithrb.tech, and then check it is accessible or not



Check above we getting the response , our domain is binded to public IP