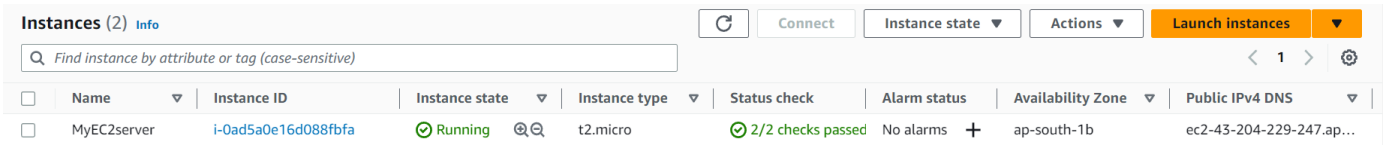
ASSIGNMENT-16

Manage Amazon DNS Service and run a project using domain-name and URL.

Step 1: Sign in to your AWS Account as Root User. Create an EC2 instance using Security Group and User data.

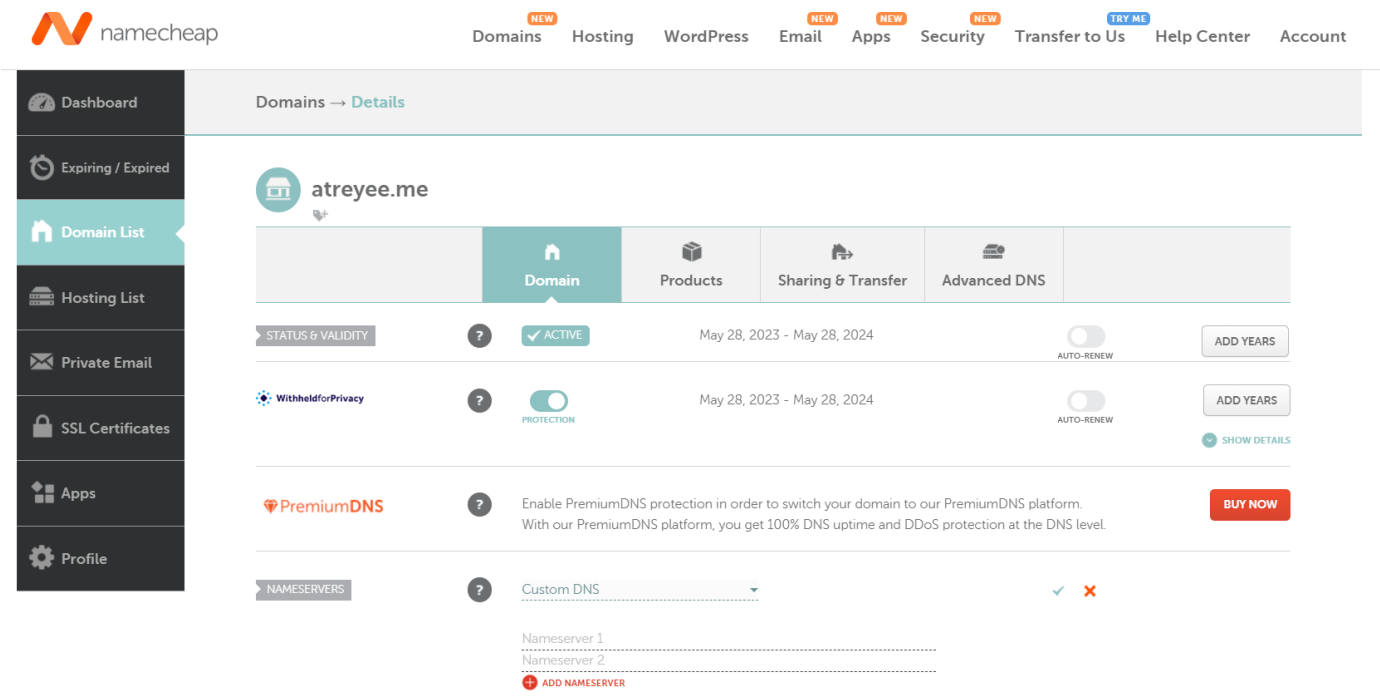


Step 2: Open the instance. Copy the Public IPv4 address and open it in a new tab. We can see that our nginx server is working properly.

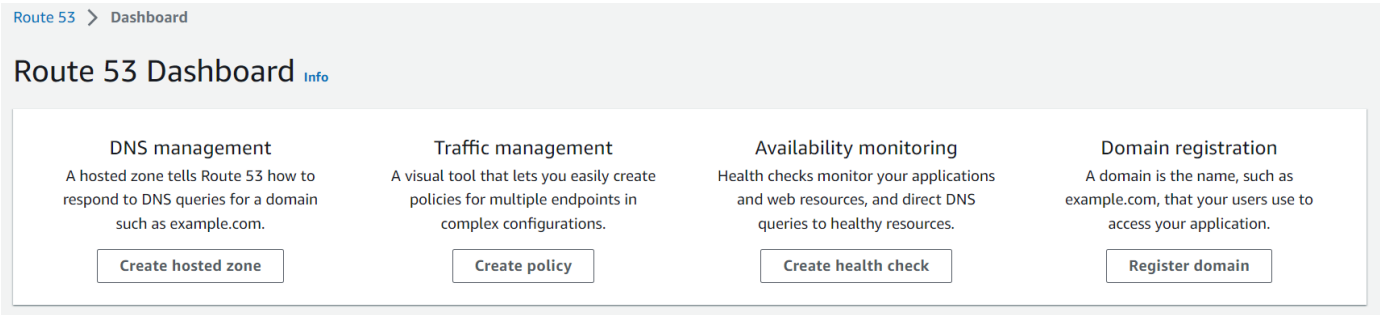
And if we give our port number after the address, our project content in also available.

But everytime we have to use the public IPv4 address to open our project in the server. The end-users may find it complicated. To solve this problem, we can bind the domain name to the server instance. Now anyone can use the domain name and the URL to access our project. Follow the following steps to do so.

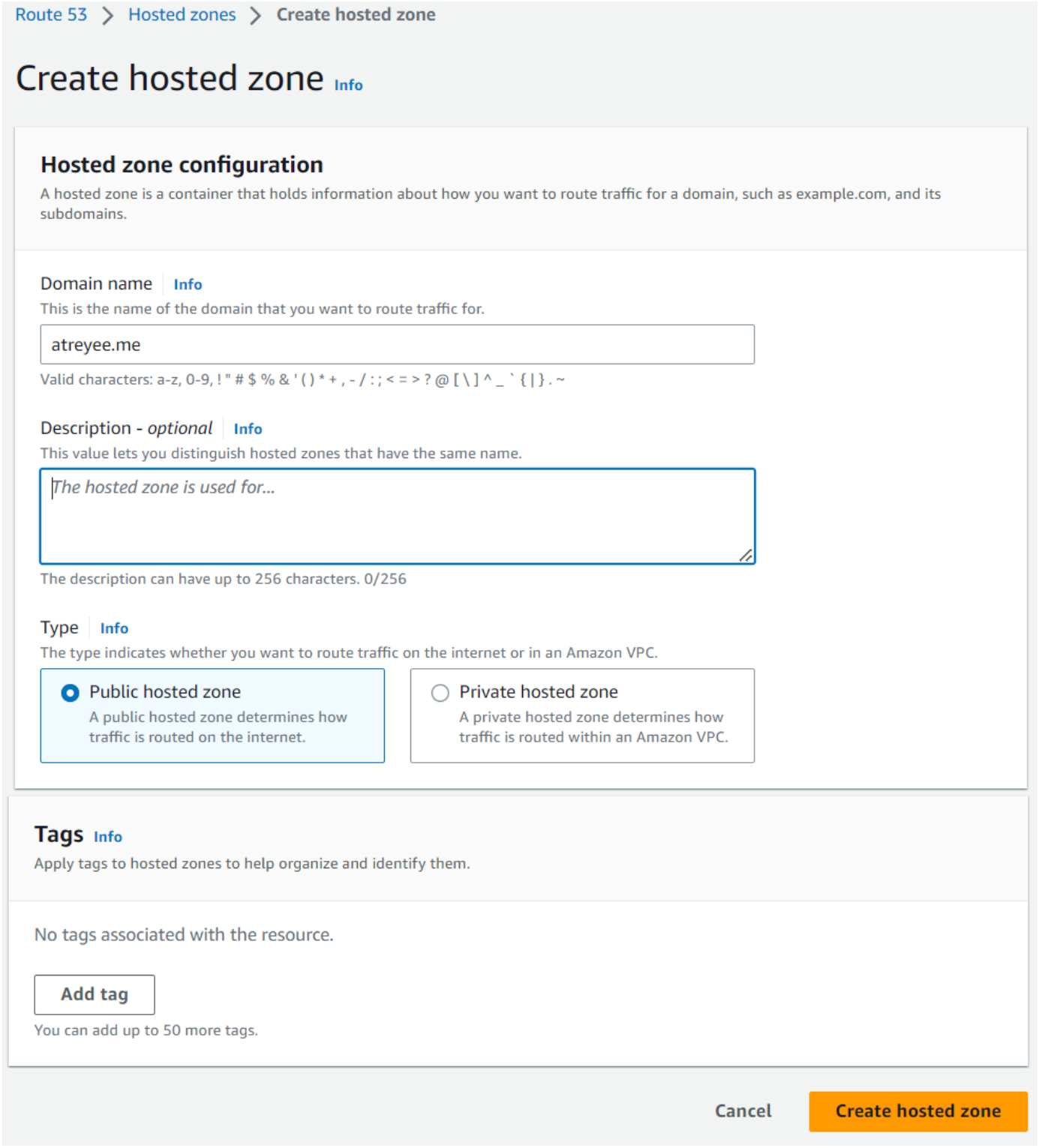
Step 3: Go to your domain server and sign in.



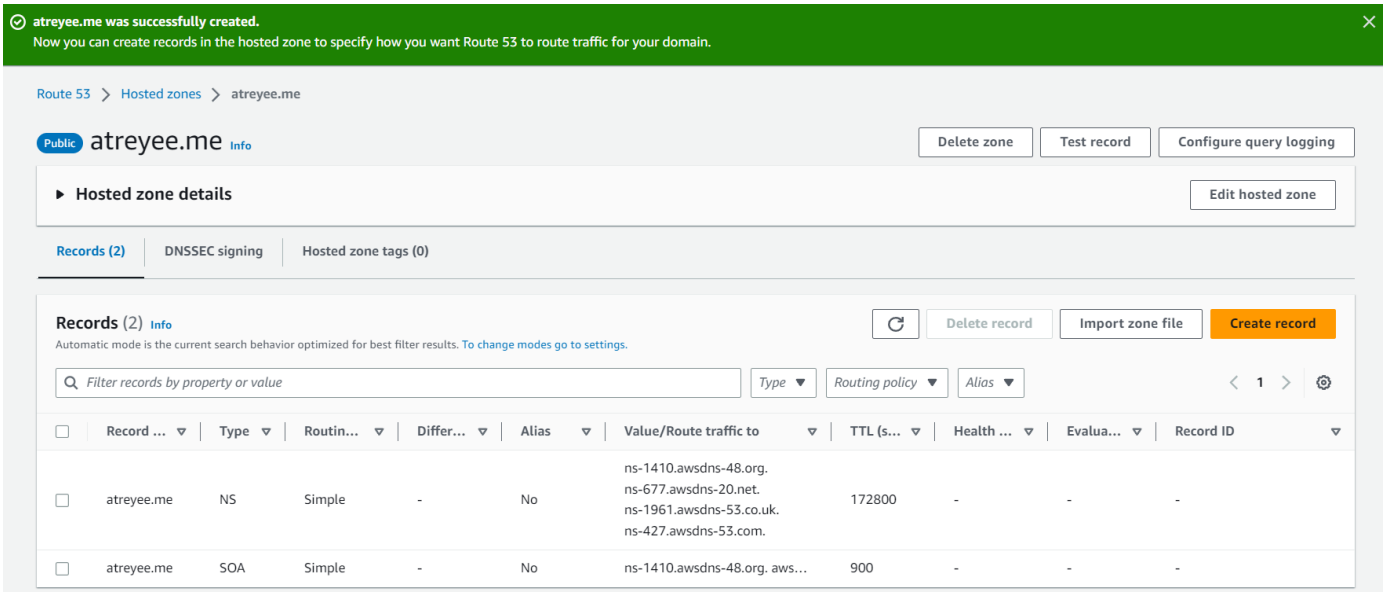
Step 4: Search for “Route 53”. Then go to “Create hosted zone”.



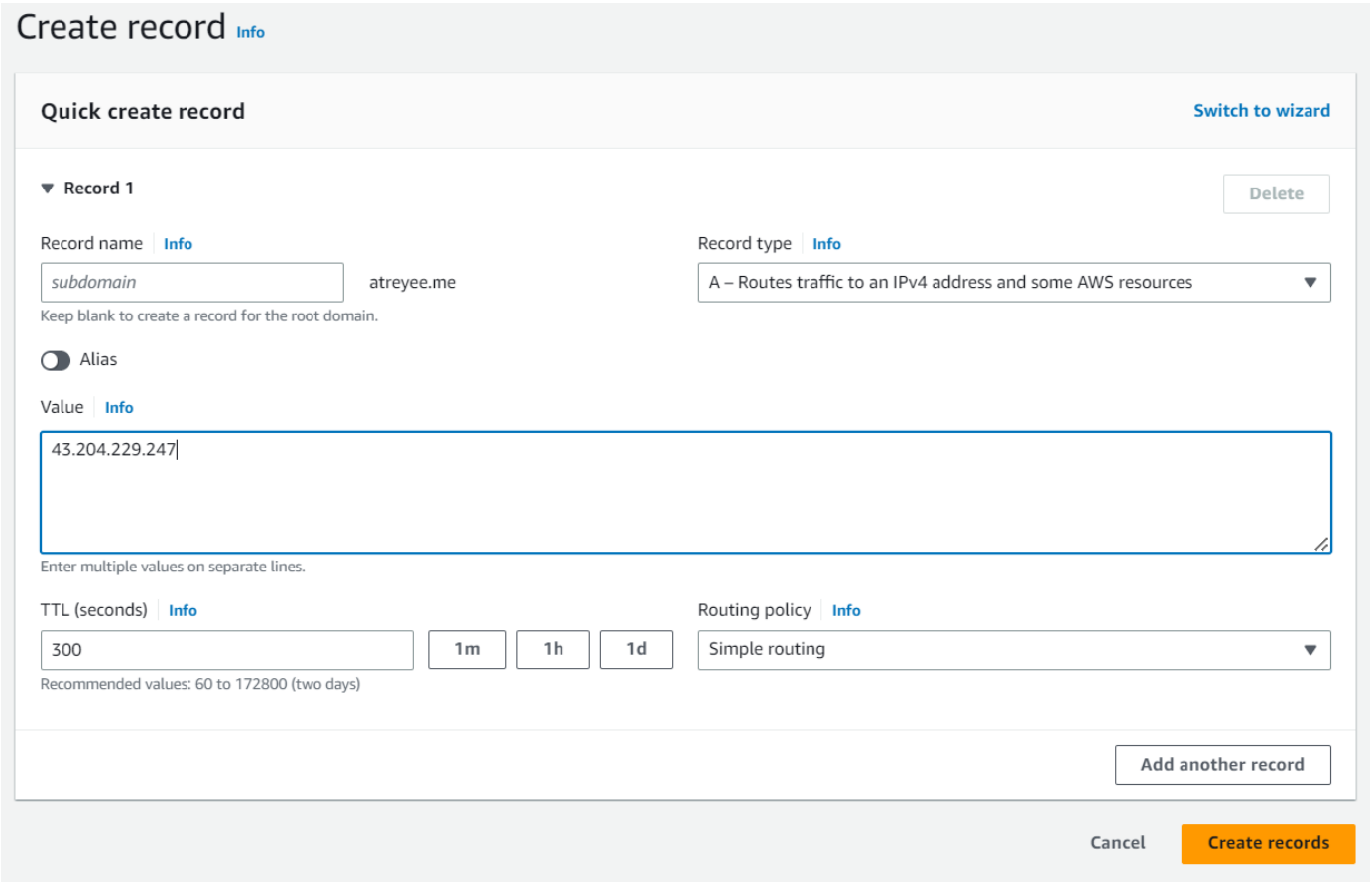
Step 5: Provide your domain name there. And select type as “Public hosted zone”. Then click on “ Create hosted zone”.



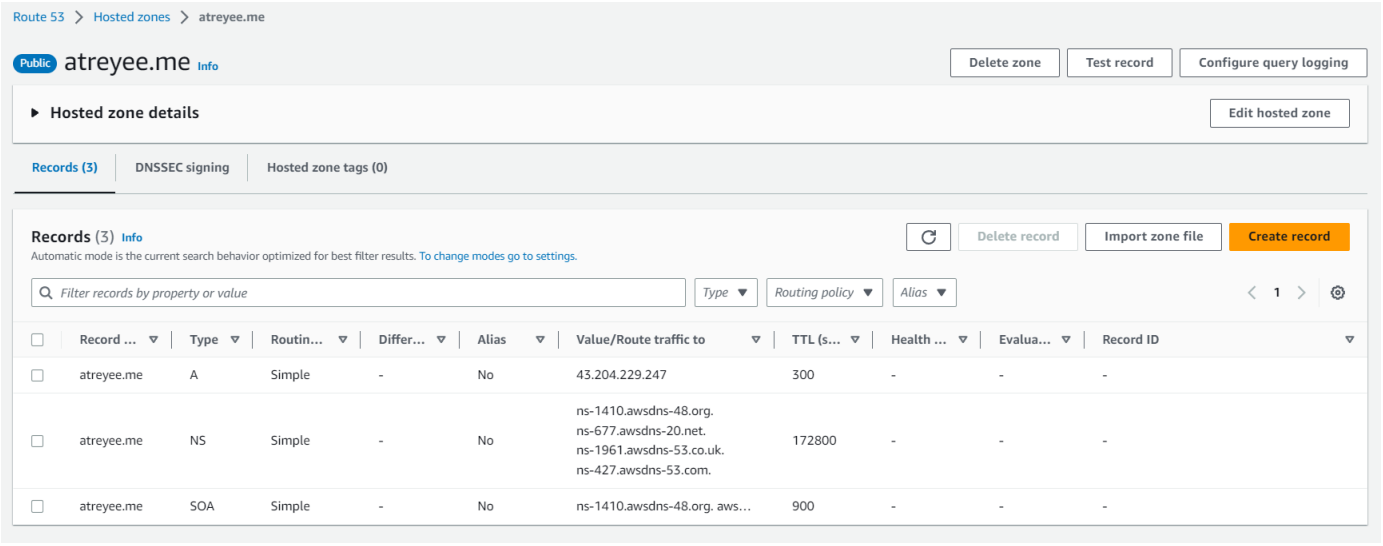
Step 6: We can see that two types of Record is generated. One is NS and the other one is SOA. Now click on “Create record”.



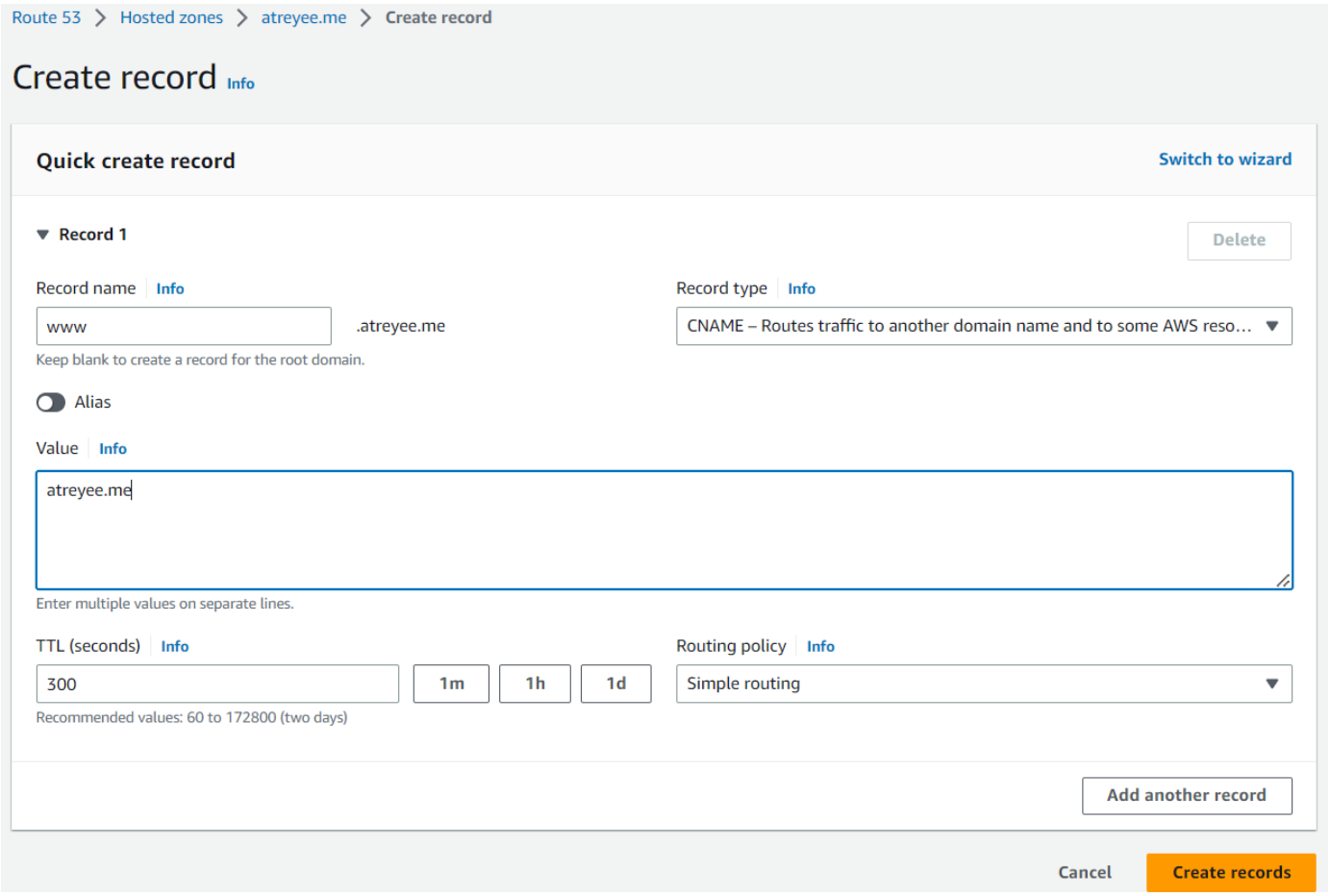
Step 7: Keep the “Record name” space empty. Select the “Record type”-A. Under “Value”, give the public IPv4 address of the instance which you want to route to using your DNS. Give TTL -300 seconds. Then click on “Click records”.



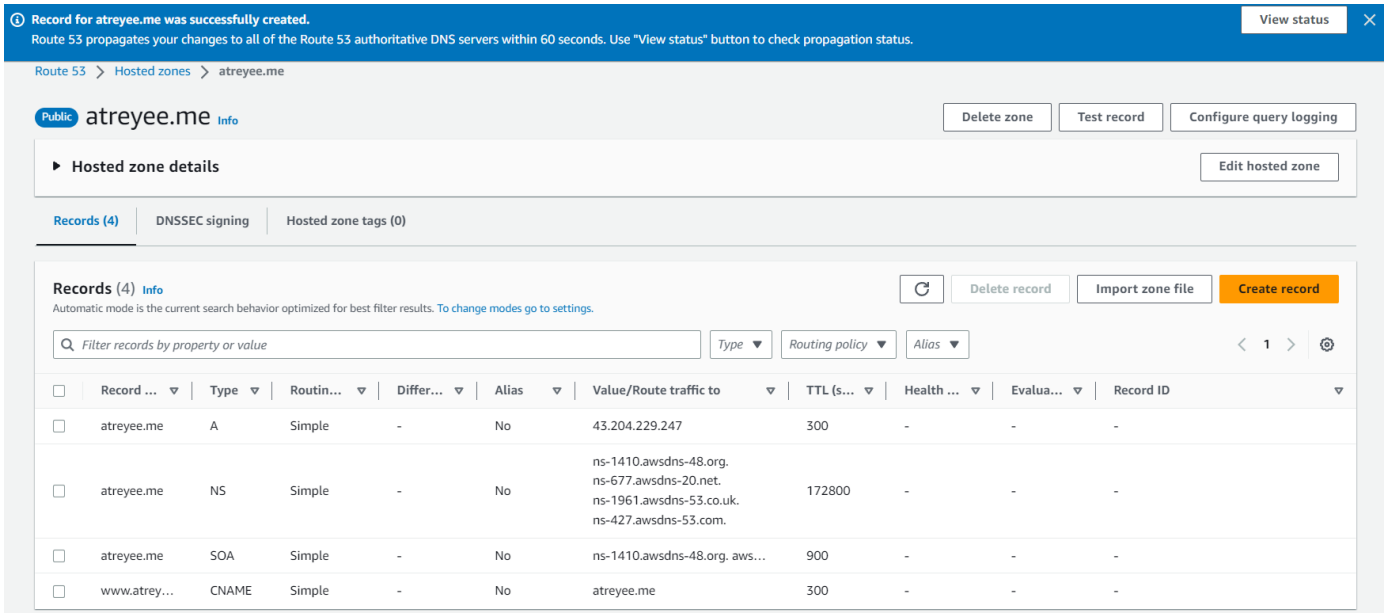
Step 8: One new record of type A is created. Then again go to “Create record”.



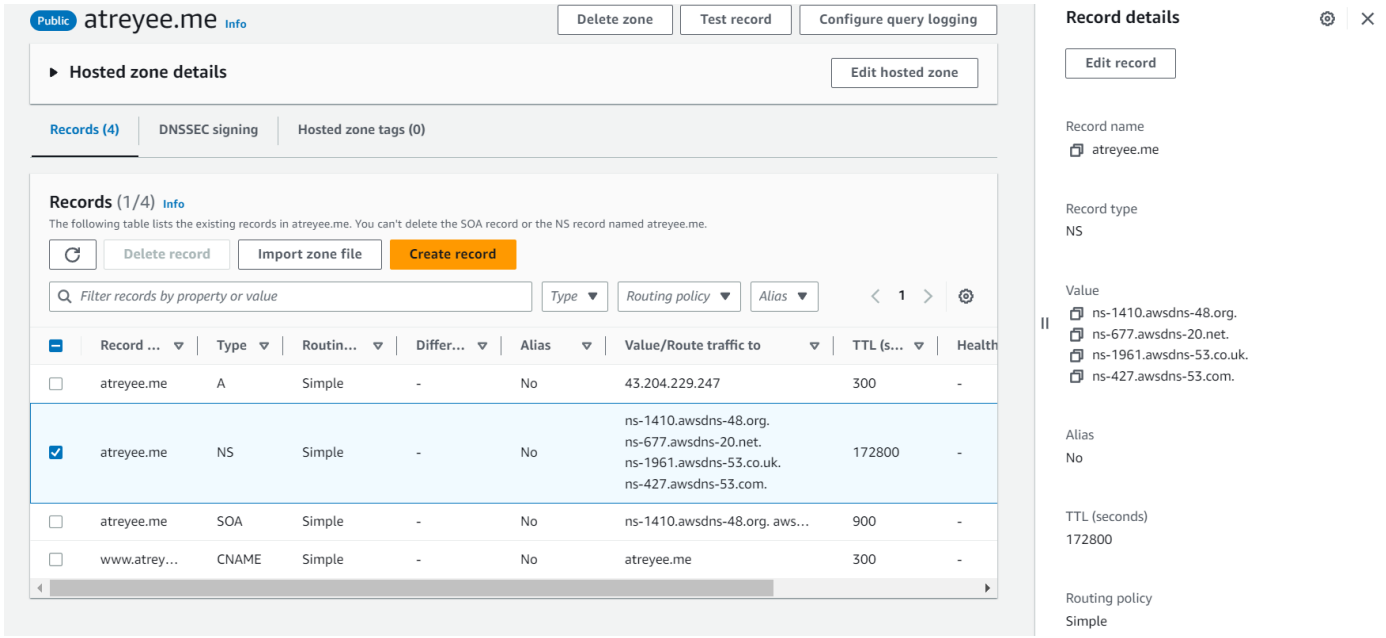
Step 9: Now give the “Record name” as www. Select the “Record type”- CNAME. Under “Value”, give your domain name. Give TTL -300 seconds. Then click on “Click records”.



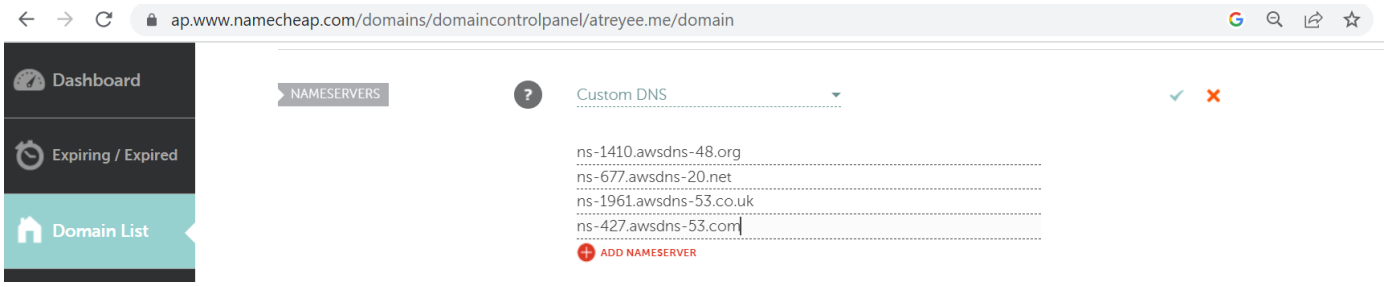
Step 10: Now another record of type CNAME is created.



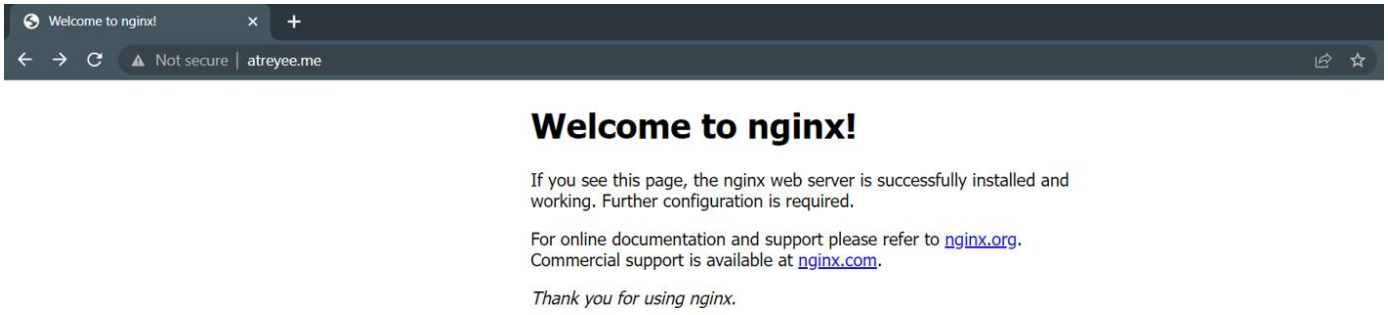
Step 11: Now select the record of type NS. You can see four values are coming on the right-side.



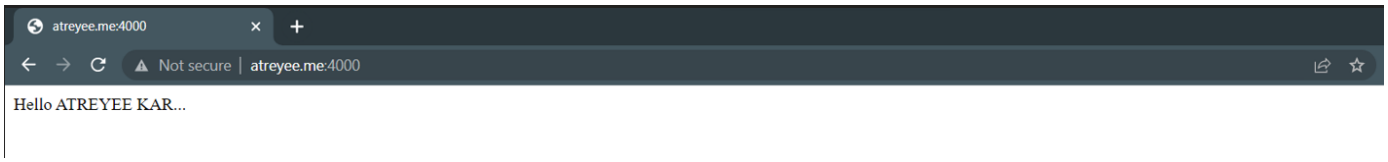
Step 12: Now go to your domain server. Then go to the “Nameservers” section and paste those values there one by one. Then save it.



Step 13: Now wait for few minutes and check whether your domain is working or not.



Step 14: Then provide your port number and check whether your project content is showing or not.



Thus, we have successfully managed Amazon DNS service and run our project using domain-name and URL.