

Assignment 6

Problem Statement:

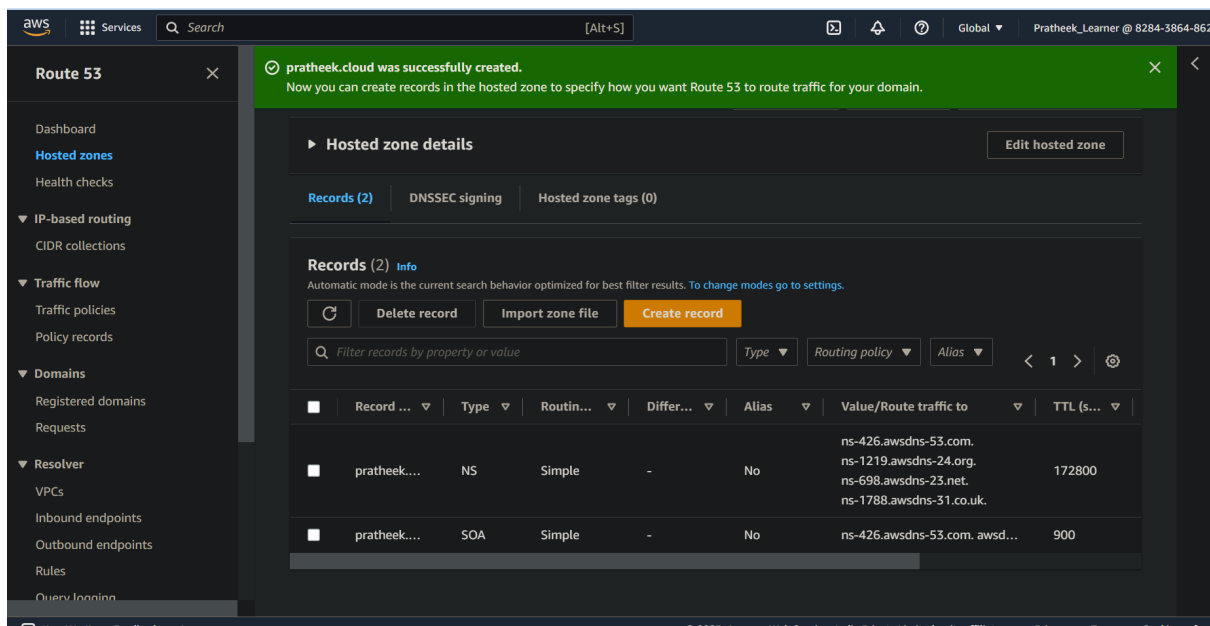
You work for a corporation that uses on premise solutions and some limited number of systems. With the increase in requests in their application, the load also increases. So, to handle the load the corporation has to buy more systems almost on a regular basis. Realizing the need to cut down the expenses on systems, they decided to move their infrastructure to AWS.

Tasks To Be Performed:

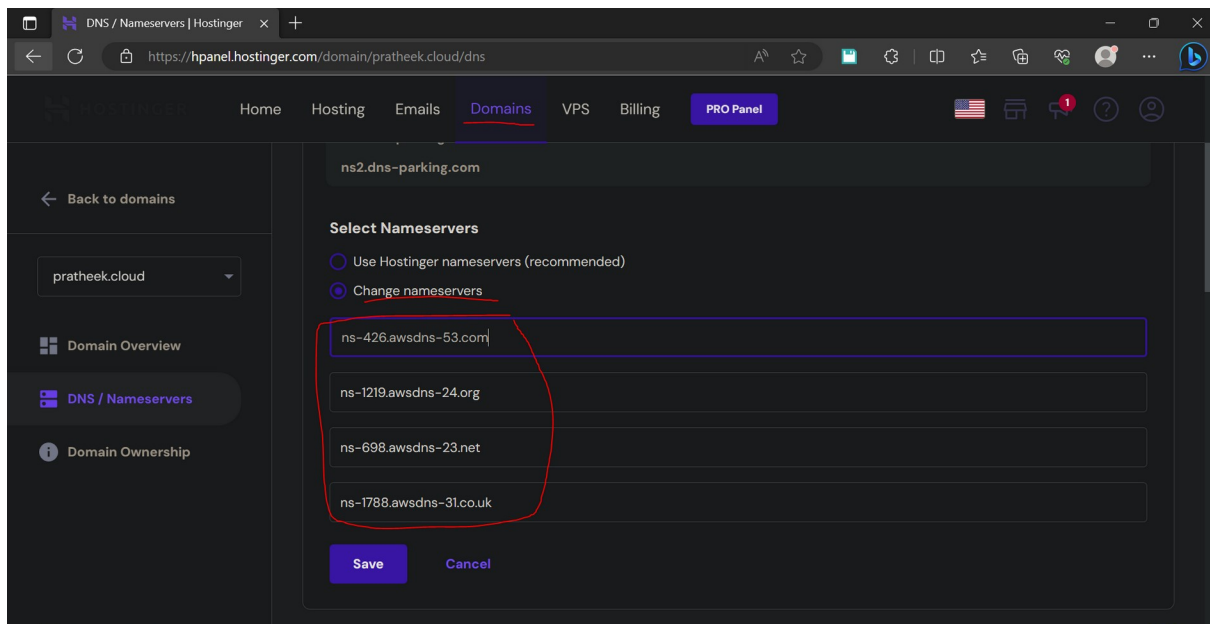
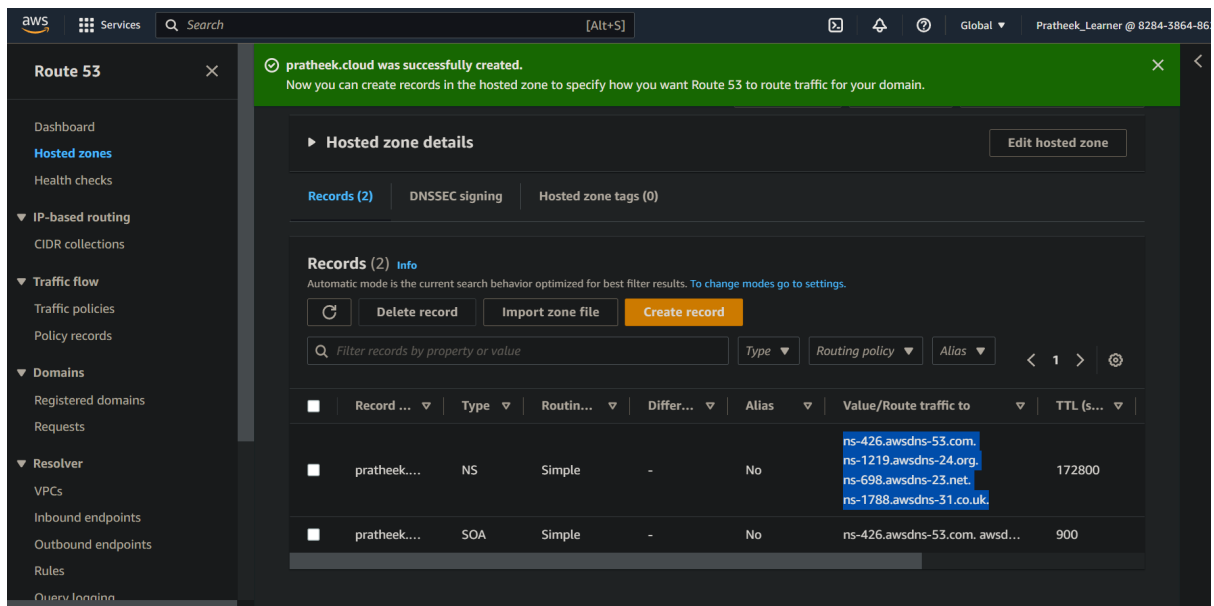
1. Use the Route 53 hosted zone created in the assignment.
2. Route the traffic to an EC2 instance with an Apache web server running in it using its IP address.

Solution:

Step 1:- Buy a domain from hosting sites. Then create a EC2 instance with web server. Then go to route53 hosted zones & create one.



Step 2:- Now integrate the nameservers given in Route53 to the nameservers that we got from the webhosting site.



Step 3:- After this we have to create a record for routing policy

The screenshot shows the 'Define simple record' dialog in the AWS Management Console. The dialog is titled 'Define simple record' and has a close button (X) in the top right corner. It contains the following fields and options:

- Record name:** A text input field with 'subdomain' entered. To its right, the domain 'pratheek.cloud' is displayed. Below the input field, a note says: 'Keep blank to create a record for the root domain.'
- Record type:** A dropdown menu with 'A - Routes traffic to an IPv4 address and some AWS resources' selected. Below the dropdown, a note says: 'Choose when routing traffic to AWS resources for EC2, API Gateway, Amazon VPC, CloudFront, Elastic Beanstalk, ELB, or S3. For example: 192.0.2.44.'
- Value/Route traffic to:** A dropdown menu with 'IP address or another value, depending on the record type' selected. Below the dropdown, a text input field contains '54.89.218.248'. A note below the input field says: 'Enter multiple values on separate lines.'
- TTL (seconds):** A text input field that is currently empty. A note below it says: 'The amount of time, in seconds, that DNS resolvers and web browsers cache the settings in this record.'

At the bottom of the dialog, there are two buttons: 'Cancel' and 'Define simple record' (highlighted in orange). On the left side of the console, a sidebar shows the navigation menu with 'Configure records' selected. The top of the console shows the URL 'us-east-1.console.aws.amazon.com/route53/v2/hostedzones#CreateRecordSet/Z0952...' and the AWS logo.

Step 4:- After creating the record policy, go to the domain that we got & it should redirect to the EC2 web server.

