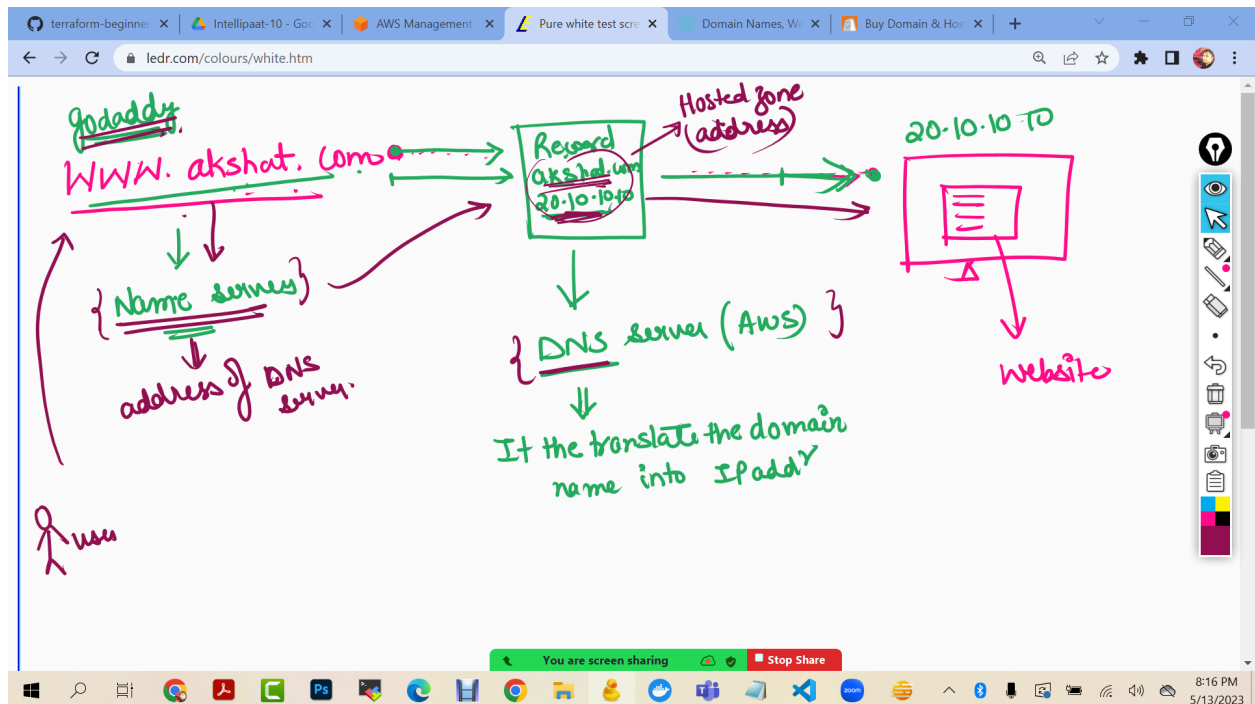


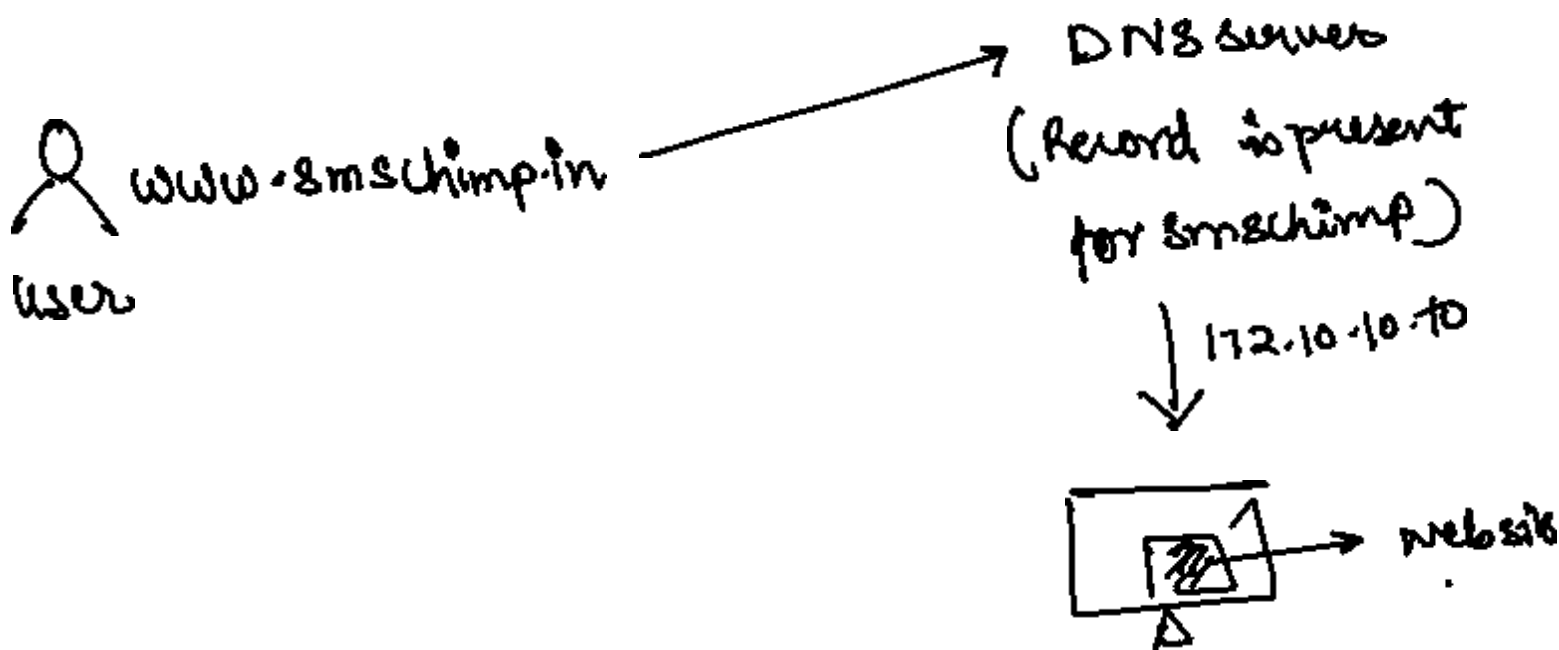
Route 53: AWS DNS management service



You can use route 53 to register (buy) new domains , transfer existing domains, route traffic for your domain to your aws and external resources and monitor the health of your resources.

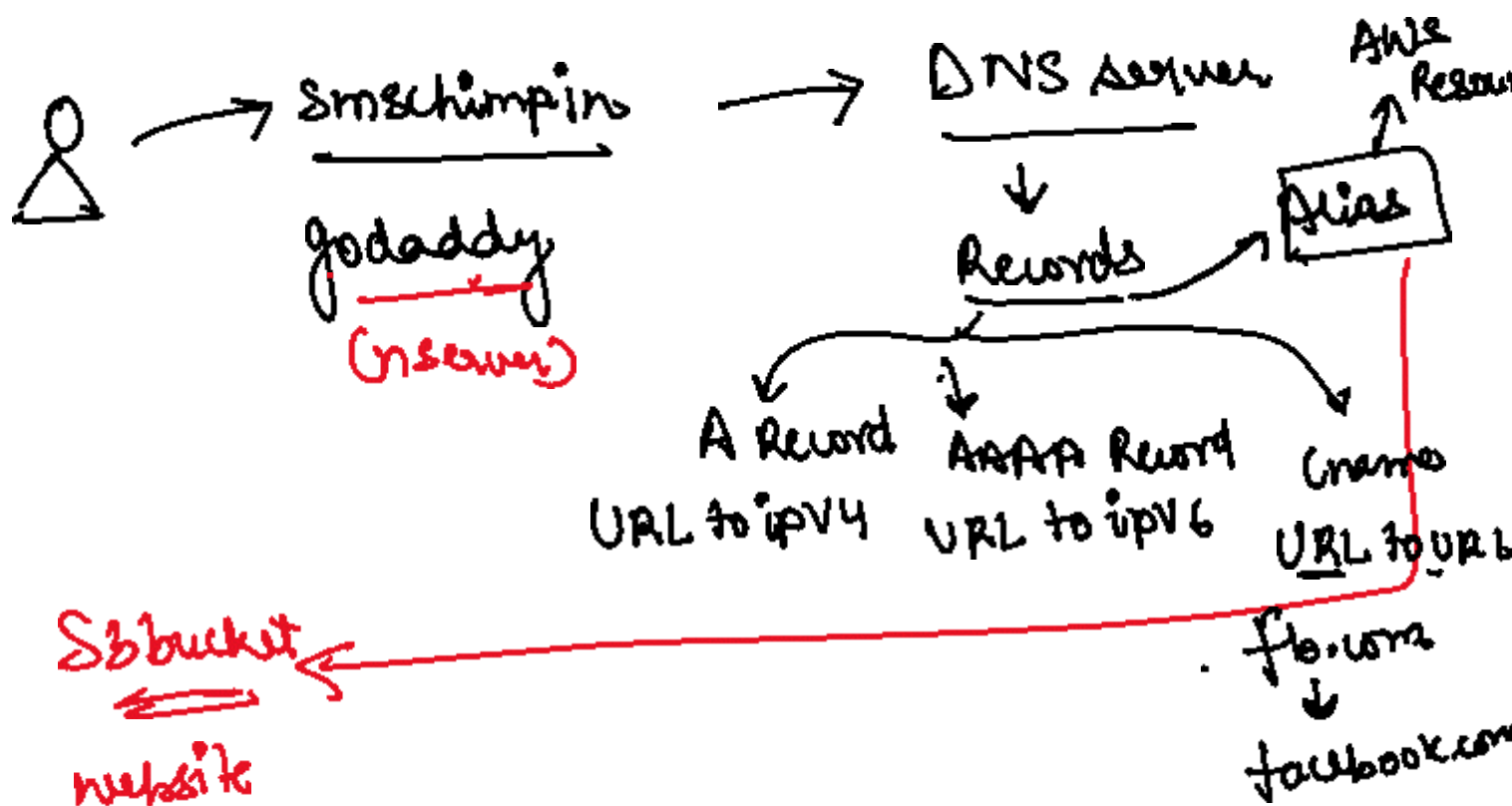
Route 53 functions:

- 1) DNS management
- 2) Traffic management (GUI of DNS management)
- 3) Availability monitoring – Check the health of the system
- 4) Domain Registration

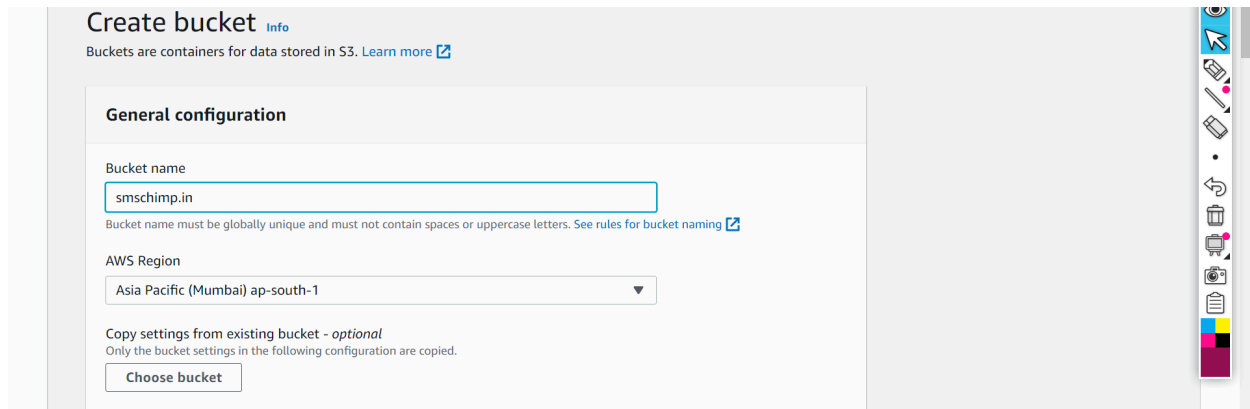


Lab:

Lets suppose we have hosted a website on s3 bucket . Now we need to configure the route53 with the s3 bucket and the domain is registered on third party company named godaddy



Go to s3 bucket and create s3 bucket (public) with the name of the domain name



Create bucket [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

General configuration

Bucket name

Bucket name must be globally unique and must not contain spaces or uppercase letters. [See rules for bucket naming](#)

AWS Region
Asia Pacific (Mumbai) ap-south-1

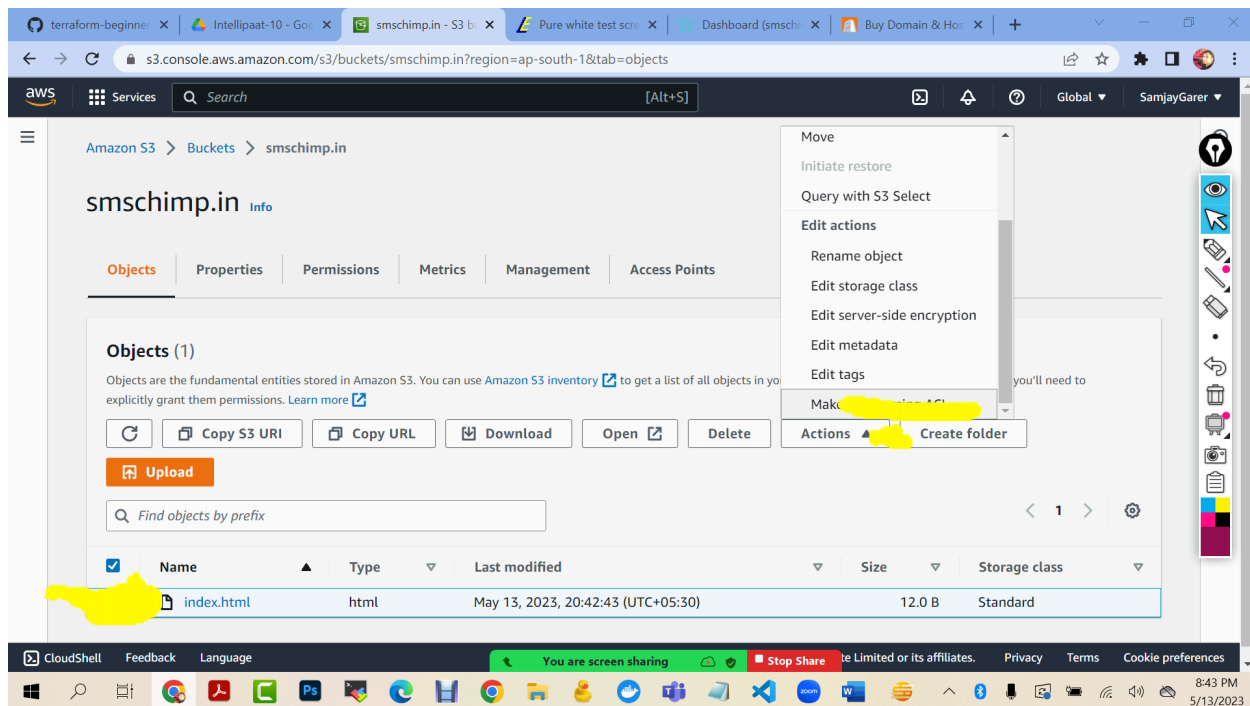
Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.

Create public bucket

Upload index.html file

(you can also download from

<https://drive.google.com/file/d/1SHnY5kaPPUjWSdK-KDhq9VNmvF1vWqT0/view?usp=sharing>)



Amazon S3 > Buckets > smschimp.in

smschimp.in [Info](#)

Objects Properties Permissions Metrics Management Access Points

Objects (1)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. You can also use [S3 Select](#) to retrieve specific data from objects in your bucket. You'll need to explicitly grant them permissions. [Learn more](#)

Find objects by prefix

<input checked="" type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input checked="" type="checkbox"/>	index.html	html	May 13, 2023, 20:42:43 (UTC+05:30)	12.0 B	Standard

Context menu options: Move, Initiate restore, Query with S3 Select, Edit actions, Rename object, Edit storage class, Edit server-side encryption, Edit metadata, Edit tags, Make public, Actions, Create folder.

Object should be public

The screenshot displays the AWS S3 console interface for the bucket 'smschimp.in'. The breadcrumb navigation shows 'Amazon S3 > Buckets > smschimp.in'. The bucket name 'smschimp.in' is prominently displayed with an 'Info' link. Below this, there are tabs for 'Objects', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The 'Objects' tab is active, showing a list of objects. A yellow highlight is placed over the 'Permissions' tab. The 'Objects (1)' section includes a description and a 'Learn more' link. Below this, there are buttons for 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'. A search bar with the placeholder 'Find objects by prefix' is also present. The object list table has columns for 'Name', 'Type', 'Last modified', 'Size', and 'Storage class'. One object, 'index.html', is listed with a type of 'html', a last modified date of 'May 13, 2023, 20:42:43 (UTC+05:30)', a size of '12.0 B', and a storage class of 'Standard'. The bottom of the image shows a Windows taskbar with various application icons and a system clock indicating 8:45 PM on 5/13/2023.

Amazon S3 > Buckets > smschimp.in

smschimp.in Info

Objects Permissions Metrics Management Access Points

Objects (1)

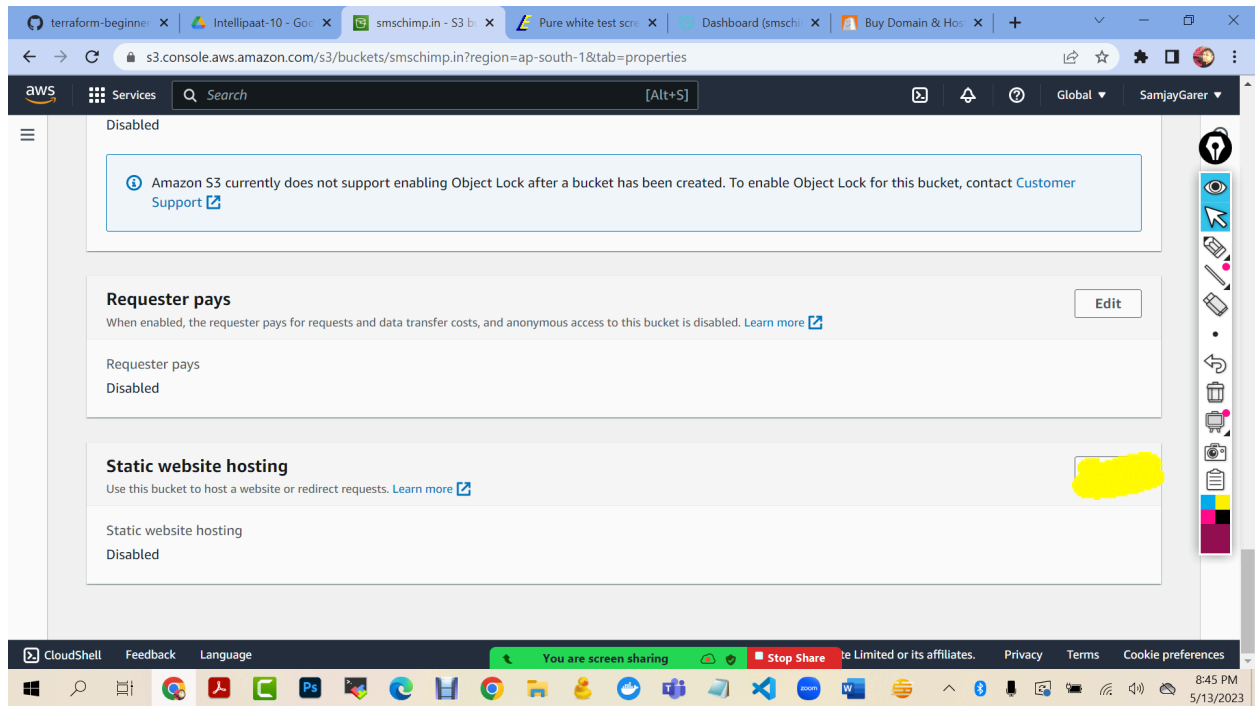
Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

Find objects by prefix

	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	index.html	html	May 13, 2023, 20:42:43 (UTC+05:30)	12.0 B	Standard

CloudShell Feedback Language You are screen sharing Stop Share Private Limited or its affiliates. Privacy Terms Cookie preferences 8:45 PM 5/13/2023

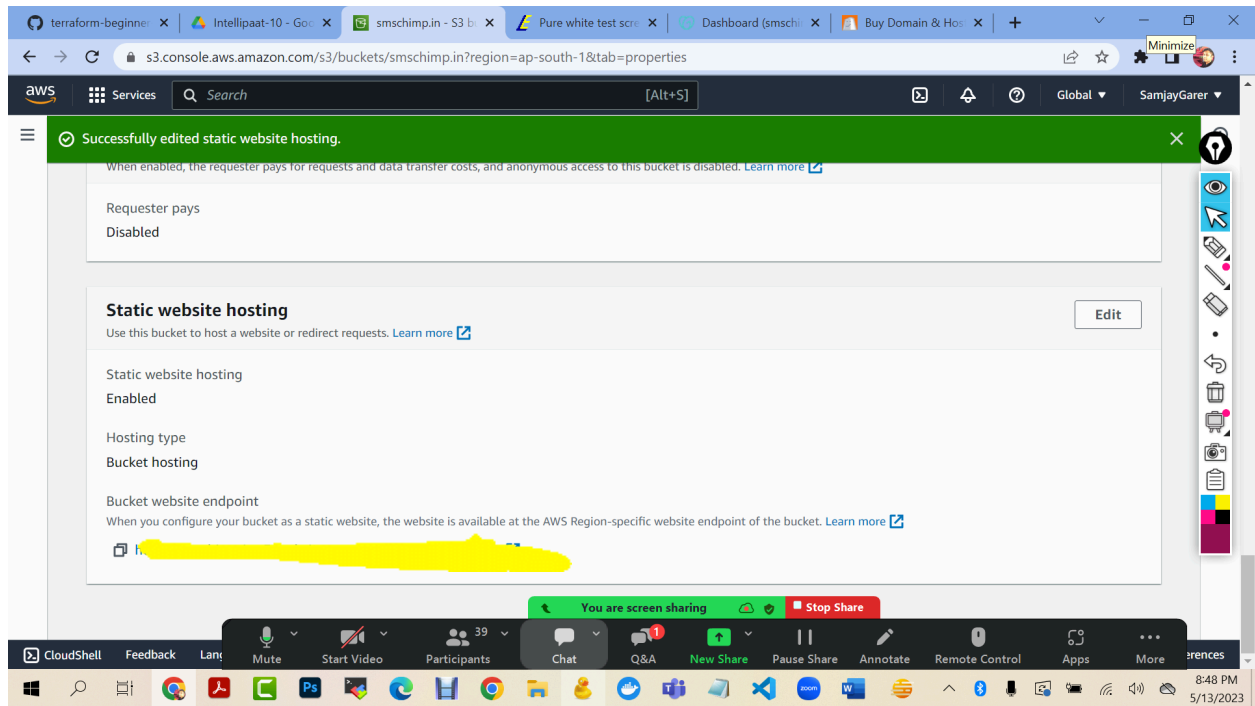


Edit

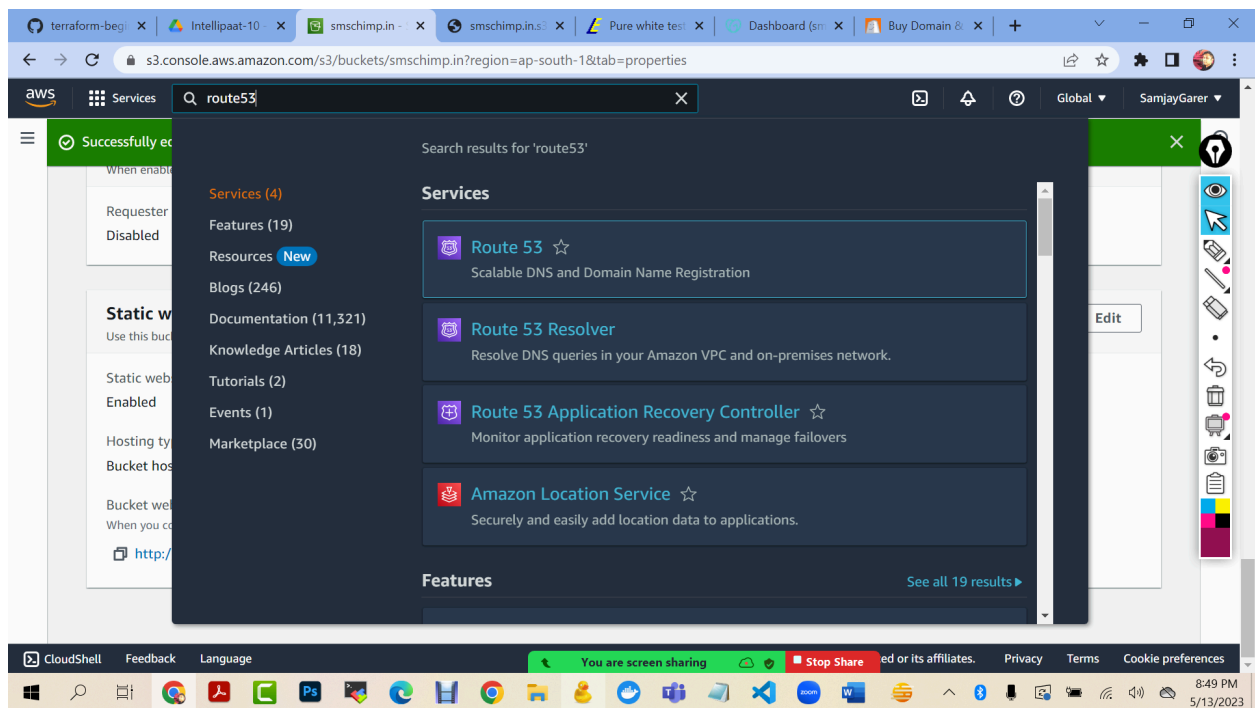
Host the static website

Homepage: index.html

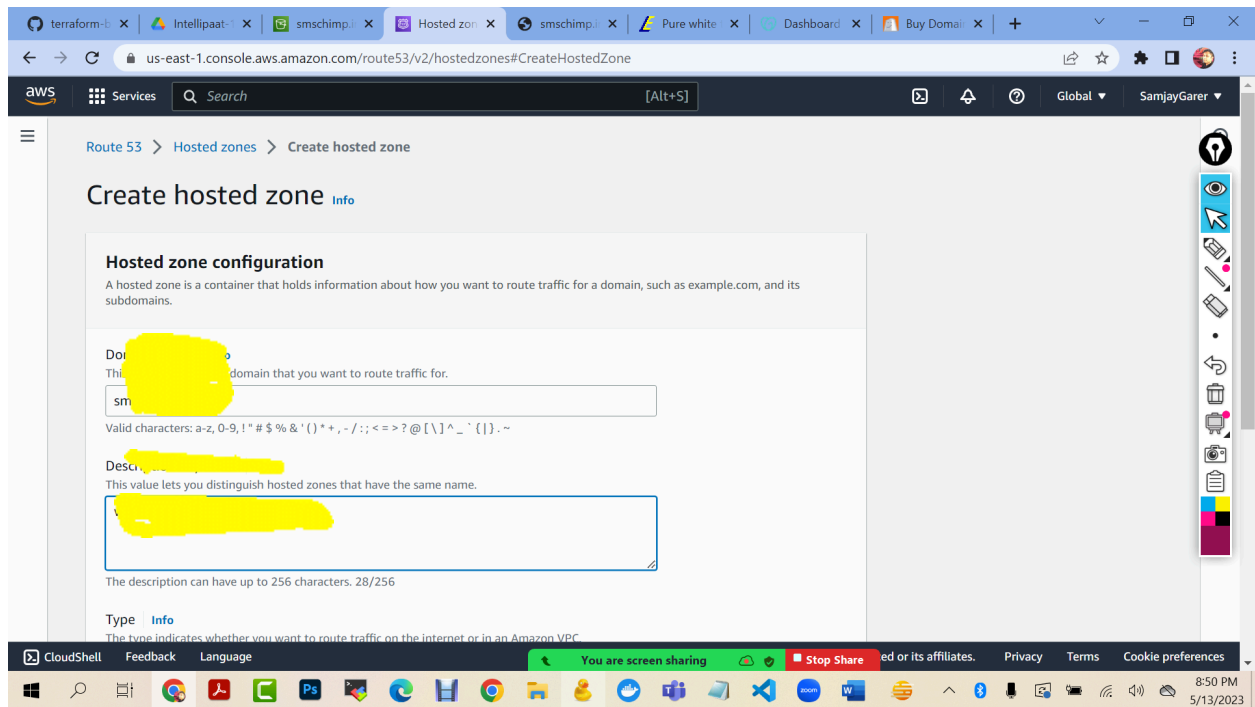
Save



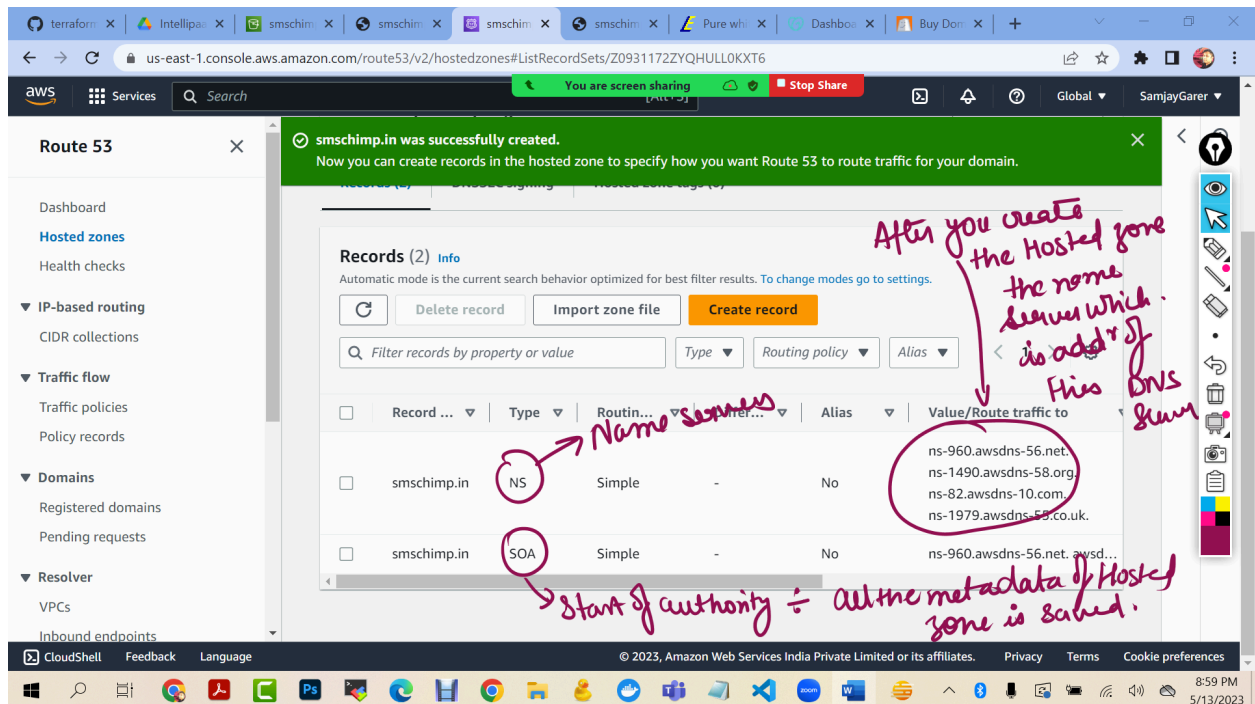
Go to route 53



Create a hosted zone

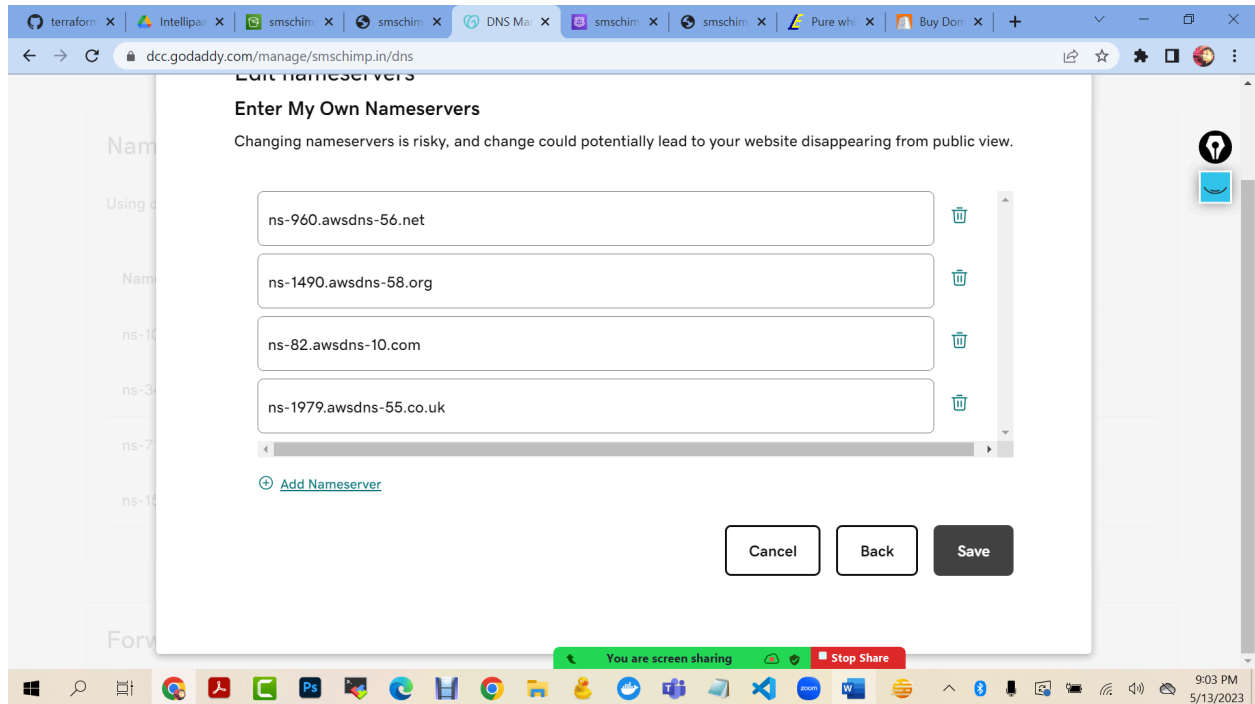


Create the hosted zone



Copy the nameservers from your hosted zone to the godaddy DNS nameservers

So that we can tell godaddy that if someone opens smschimp.in then it should redirect the request to our DNS server in aws'



save

terraform x Intellipai x smschimp x smschimp x DNS Ma x smschimp x smschimp x Pure whi x Buy Don x +

← → ↻ dcd.godaddy.com/control/smschimp.in/dns

ⓘ Hang tight - we're updating your nameservers, so you can't edit your DNS settings until that's completed.

DNSSEC Hostnames

DNS Records

[DNS records](#) define how your domain behaves, like showing your website content and delivering your email.

Add New Record

Delete Copy Edit Filters Actions

You are screen sharing Stop Share

9:05 PM 5/13/2023

terraform x Intellipai x smschimp x smschimp x DNS Ma x smschimp x smschimp x Pure whi x Buy Don x +

← → ↻ us-east-1.console.aws.amazon.com/route53/v2/hostedzones/ListRecordSets/Z0931172ZYQHULL0KXT6

aws Services Search [Alt+S] Global SamjayGarer

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

smschimp.in was successfully created. Now you can create records in the hosted zone to specify how you want Route 53 to route traffic for your domain.

Records (2) Info

Automatic mode is the current search behavior optimized for best filter results. To learn more, go to settings.

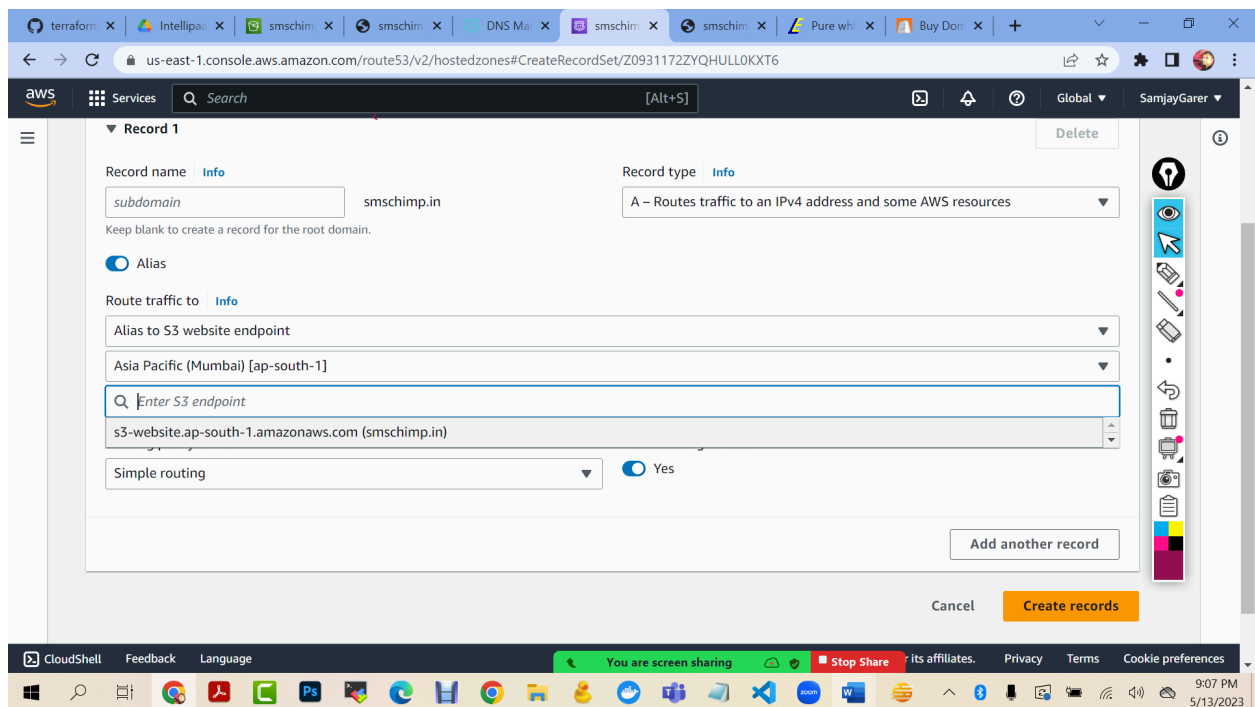
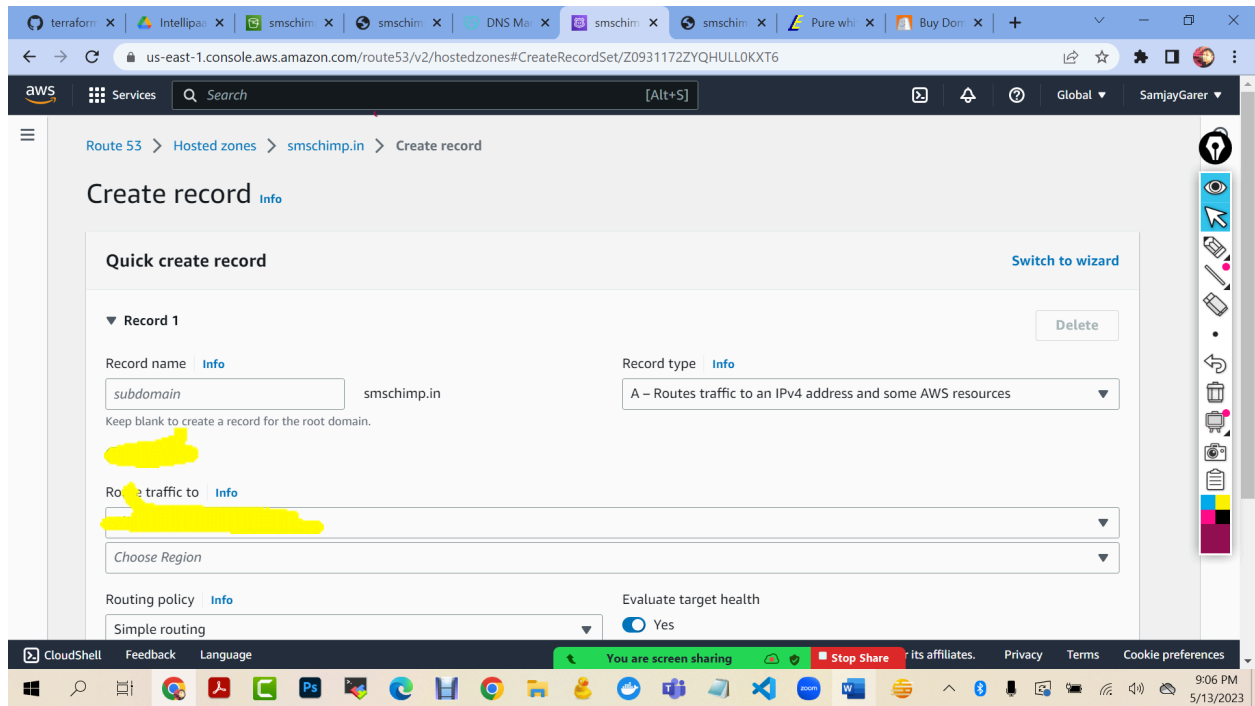
Refresh Delete record Import zone file

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

	Record ...	Type	Routin...	Differ...	Alias	Value/Route traffic to
<input type="checkbox"/>	smschimp.in	NS	Simple	-	No	ns-960.awsdns-56.net. ns-1490.awsdns-58.org. ns-82.awsdns-10.com. ns-1979.awsdns-55.co.uk.
<input type="checkbox"/>	smschimp.in	SOA	Simple	-	No	ns-960.awsdns-56.net. awsd...

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9:05 PM 5/13/2023



Create record

If you open smschimp.in in 1 hour you will see the content on the website