**ROUT53:-**

It is a global specific service

DNS port no 53 :- we can purchase domain with the help of rout53 or we can configure the old domain

We can configure DNS with the help of rout53

* Domain purchase
* Can do routing

Domain records:-

A :- for IPV4

AAAA:- for IPV6

NS:- (name server) for generate path or route to access IP address

SOA:- ( start or authority) for to get access of service

CNAME:- ( to create shortcut (like facebook.com to fb)

PTR :- (IP to domain/website or vice versa)

<https://greamio-my.sharepoint.com/:v:/g/personal/swapnil_nibrad_cloudblitz_in/EWe7ZNn67yxDuF-nMrMlqCkB7s2zl41fnpxurbOzAQ7OfQ?email=swapnil.nibrad%40cloudblitz.in>

video link

**SSL (secure socket layer) certificate :-**

* To access our data on internet in secure form (encrypted form)
* Created domain should be secure for access

Difference between HTTP and HTTPS :-

**http :-**

1. work on 7th layer
2. Plain text (not secure not in encrypted form)
3. Ssl certificate not required.
4. Light weighted service

**https: -**

1. Works on 4th layer
2. Secured text (encrypted form)
3. Ssl certification required
4. Heavy weighted service

**TWO TYPES OF ENCRYPTION**:-

1. Symmetric
2. Asymmetric

ACM (amazon certificate manager)

1. Create instance
2. Application load balancer attached to instance (we can attached any different load balancer also)
3. Go on ACL
4. Click request certificate
5. Write domain name (that you have created)
6. Select validation method
7. Give tag
8. Request certificate
9. Check the cname (that means you have created record)
10. Do entry of cname in route53
11. Click on create record zone
12. Create load balancer
13. Select region
14. Listening port :- select https

**ROUT53 FROM YOUTUB:-**

* a rout53 hosted zone is a collection of records for a specified domain
* you create a hosted zone for a domain and then you create records to tell the domain name system how you want traffic to be routed for host domain. (when you purchase domain from another domain provider that time you need to create manually hosted zone.)
* Basically a hosted zone is a container that holds information about how you want to rout traffic for a domain and its subdomain.(it will inform the request that came where to go here it store the hosted zone like :- www. **techguftgu.com,** [support@ **techguftgu.com**](mailto:support@techguftgu.com)**,** info**techguftgu.com** …in all of the above there is techguftgu.com is a subdomain)
* You can create a public (internet) hosted zone of private (internal DNS) hosted zone.

**Steps :-**

1. Launch instances and enable http port
2. Rout53 -> create hosted zone (domain name)
3. Create record -🡪 value instance ka public ip paste karo
4. Freenom web manage domain me record add karna hai ( A record ka matlab public IP paste karna hai)