Aws - Core services.

① Elastic cloud Compute (EC2) → This is the basic Unit of a Computing. Think of it as a V.M. - where you can run Your application

② Simple Storage Service (S3) → Aws, Static file hosting service.

③ Relational Database Service (R.D.S) → It's a Umberilla term for several Aws offered Relational Databases)

④ Route 53 → DNS service that empovers →
  ① Elastic cloud Compute [EC2]
  ② Simple Storage Service (S3).
  are accessible via U.R.L.

| Elastic cloud Compute (EC2) | It was lached by Amazon in 2006.

① Over the years it has added many Capabilities as made it robust for Today's use.

| What Can You do with EC2 | Instance. → It is almost like asking what can you do with a Computer

① You Can Run Your web application
② Use it as Virtual Desktop → You Can login —
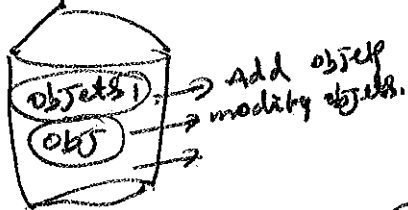③ You Can Install Some 3rd party Softwares
④ It is All about Computing.

S3 - Simple Storage Service

↓ Any file max size 5 Terabyte.

→ Buckets are assigned U.R.L'S You can access the objects contained within them.

(Cloud Front) →→ Another service from Amazon You can cautch the content.

→ Add object
→ modify objects.

Buckets. are Foundational Structure in S3

How S3 is priced

S3 is priced based on following

1. Amount of Data Stored
2. Number of requests
3. Amount of Data transferred.

https:// S3-US-west-1. amazonaws. Com /OKfido.org/ Img/ okfid-logo. Png.

↓
S3 Bucket Region

↓
S3-Bucket-Name

↓
object path.

Relational Database Service./ (R.D.S)

is a Collection of Aws services — for managed Relational Databases.

Currently Amazon manages. Below Databases.

1. My SQl
2. Postgre SQl
3. M.S Sql Server
4. Moria DB
5. ORACle Database.
6. Amazon Aurora.

Route 53

→ Domain names to resolve to Internal

D.N.S → Domain Names Service. → Converts Human Readable website to I.P. Address. so that two Computers Connect.

<u>Route 53</u> is core to letting users interact with Services in A.W.S
→ it resolves the U.R.L to Connect to A.W.S Services.

Route 53 is a Amazon Solution for D.N.S Management.
Route 53 is how you expose your A.W.S resources, and Instances to users. and it interacts easily with other A.W.S Services.

A.W.S Extended Services.

① E.B ——→ Elastic BeanStalk.

② DynamoDB → Managed (no squl)

③ RedShift → managed (Data Warehouse) Solution.

Something different than <u>R.D.S</u>

④ V.P.C ↪ Service enabling you to Control Access and Secure in AWS.

⑤ Cloud Front → C.D.N. Service → users Can get them super fast.

⑥ Cloud Watch. ——→ ↳ Logging and alarm to let you know if
(1) Instances are down
(2) EC2 CPU is high
(3) S3 reaches threshold.