A WS services Report to Amazon Elastic compute cloud (Amazon ECZ) Amazion Ecz provider serizable compute capciolity In the cloud, allowing users to quickly scale coupuling resources as needed. Use case . Hosting web applications · huming backend success · Batch processing · Scientific computing Benifits. Alexibility to choose instance · Pay-as-you go pricing model. ·scalability · Integration with other AWS services. challenges o Honogfing instances · optimizing costs. · Enswing security configuration 2. Amerion simple istorage services Use case, Boeleup & nostone · Dato auchiving . Hosting static aubsite. . Big doto analytics Bonefits: - · Durable and wighty available storage. · scalablify to store large amount of data. · fitegration with other AWS services. · cost-effective storage aptions,

· Managing large volume of data · Enswing data security · challenges · Controlling stollage costs.

3. Amazon Relational Database seewce (RDS).

- use case: « Mes & app mobile applications.
 - · Exommerco platforms
 - · CRM systems
 - · Doto marchousing

Benifits: Automoted Backups and patching

High availablety with multi-Az deployment

Eary scaling of database resources

cost officient & resizable

Chellenges: . Managing database porformance

- · Ensuring data security .

 · Balancing cost with performance.

4. A-Ws Jambda

tuentium abas mus voy estel abdured 2 WA priorisioning on managing somews. You pay only for the compute time you consume. Use case: Real-time file processing.

· Data toursofundion.

· Running hackend services.

Benfits: -. No source management

· Auto matic scaling

· Sub-second motoring

· Integration with other AWS services.

· cold start lateury Challenges: -

· himited execution duration.

· Managing complex workflows

5. America Dynamo DB.

Usecases: Mobile apps.

Benefits: - fully managed.

· Automatic Backups.

Challenger: · Limited querying capabilities.