Assignment 28-April-2022

1) what is edge location ?

Edge locations are AWS data centers designed to deliver services with the lowest latency possible. Amazon has dozens of these data centers spred across the world. They are closer to users than regions & AZ's, often in major cities, so responses can be fast and snappy.

2) what is Region ?

Region is nothing but a physical location around the world where we cluster data centers. we call each group of logical data centers an Avaliabity zone. Each AWS Regions consists of multiple, isolated and physical seperate AZs within a geographical area.

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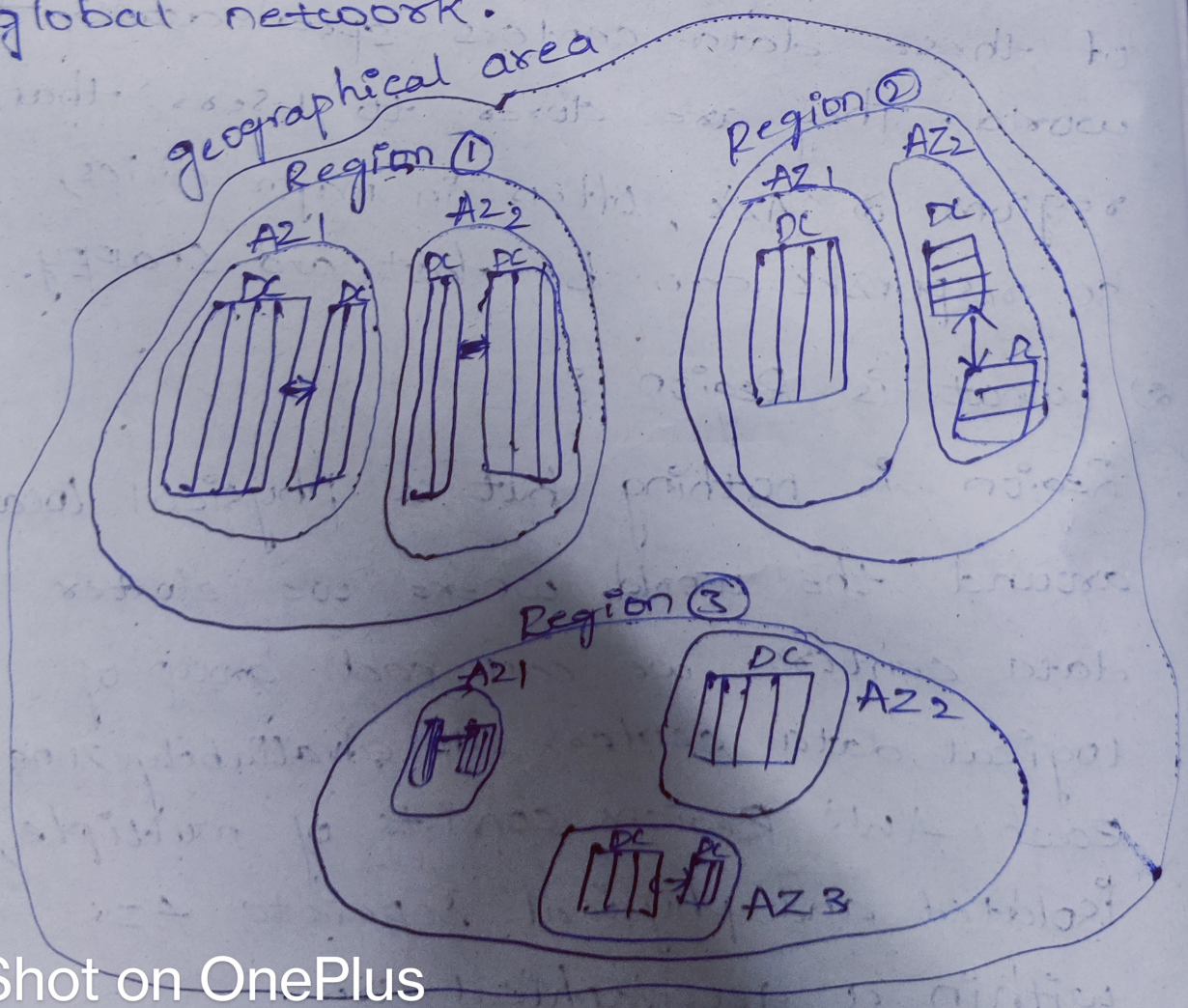
3) Explain about AWS global Infrastructure?

In a geographical area, consider we are having some physical locations called Region, Suppose we are having 3 & more regions which are isolated by each other. In each region, we are having 2 & more Availability zones and in each availability zone we have 1 & more data centers, and Each data center will be ~~super~~ connected to a AWS global network.



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4) List and Explain the characteristics of cloud computing ?

1. Resource pooling
2. On-Demand Self-Service
3. Easy maintenance
4. Scalability & Rapid Elasticity
5. Security
6. work from any location
7. Flexiblity
8. Automation.

① **Resource pooling**

It is a cloud service provider can share resources among several clients, providing everyone with a different set of services as per their requirements. It is a multi-client & can applied to data storage devices, processing services and bandwidth provided services.

② **On-Demand Self-Service**

It enables the client to constantly monitor the server uptime, abilities and allocated network storage. as per his needs.

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③ **Easy Maintenance**

The servers are effortlessly maintained, and the down-time remains low and we can handle easily.

④ **Scalability and Rapid Elasticity**

It enables cost-effective running of work loads that require a vast number of servers but only for short period.

⑤ **Security**

cloud services create a copy of the data that is stored to prevent any form of data loss. If one server loses the data by any chance, the copy version is restored from the other server.

⑥ **work from any location**

we can access the work remotely or from any location on the planet. with mobile, smart laptops and can connect quickly.

5) what

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5) what do you mean by Legacy IT?

Legacy IT means outdated system which mean that the organisations ~~still~~ previous uses the seperate room for servers, network devices, routers, switches, storages devices which leads to more cost and need security to monitor those rooms and need Ac's to maintain the temperature in the room. so it requires more and time consuming. As technology changes the old legacy system moved to handle on remote basis nothing but cloud.

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