AWS Global Infrastructure:globally distributed hordware and datacenter physically networked together to act as large resource for end customer Availability Zone: Physical Location mode up of remissions one or more datacenter Each Region generally has 3 Availability zones. High Availability > Common Practice to run workloads in atleast 3 AZS to entire Services remain available in cone one on two datacenters in included but the perental - and Meront box. with an always choose subnet associated with Az. Ikver choose AZA are interconnected with high bandwidth, AWSregion low latency network \$25 are A22 AZ-1 (dedicated within metro loo km fibre) AZ3 other)

Section of a network vulnerable to comage a particular device/System fails. · Can hovebofoutt domains inside fault demains Fault leveli- Collection of fault domains. Each Amazion Region is designed to be completely > Achieves agreatest possible fault tolerance & isolated from other regions. Each AZ is (isolated) but the AZS in the connected through low-laterey links * Each AZ is derigned obtions independent failure.

