Section 16: planning conce configuring storage Cloud Bigtable Chouce sal Storage overview -1> object storage 1-1> cloud storage -1> Hardnere options -1> 100 sac -1> Wide-column 1> auto budenps -17 Instance Storage

Lis persistent Disks -1> Cow-Catency + high availability -17 1-ligh availability

1-17 17eplication -12 worles with analytics -1> Dutabase Storage -1> My sai Database 1-lugs -1> 100t Servercess -1> SQLC -1> Muintenance Schedule 1-1> cloud sal 1-12 chance Spanner Bigtable is expensive! Databuse Info can be found in instance details -1> 100 SQL 1-1> Cloud Duta/File Store -1> Docs 1-1> Bigtable -1> colu-nar Type -1> Analytic -1> Production 1-12 13ig Query -1> Development Cloud Spanner Cloud Storage Hordwer options -17 Scalable Horizontaly -1> unstructured Douter

H> Inages + violen + Text -17 Strong consitency Pode based -1> availability around the -> Archived Data
-> Te-porary Storage [moving data] 1-17 Metadata is stored in noces telling services where details (occuted Together with SQL Relational Cocal organization 1> Global Na-e Space Pick Multi-Zone deployment Buckets Spanner is expensive! * High volume Folders * High velocity Cloud Deta Store Classes Buseu on collossus Nosal Database Modes 1> Standard Storage * performance optimized -1> Noutive Mode Cloud Me-or ystore -1> Datastore Mode -> Archive + Buckup Storage 1-1> Nearline Servercess Service Li> Stored at least 1-17 Cacheiner Data One Database per project 1-1>106'5 Lis est coast go crays Datastore is created auto-atically 1-17 Games Hr Archive 1-1> Api Basea I-1> Data Streams Lis at ceast 365 days Lix entities cost Money * there is also a read/write
guidance once per x days
x = 30/90/365 17 Reelis Entity * connect from Cots of properties can be différent per Row because of noscal clifferent services Redundancy * up to 300 gb -1> 12 egional 1-1> Single 12 egion Cloud Firestore * 12 GPS throughput Lis Replicated across zones -1>17 annaged 100 SOL Radis Protocol Co-pliance Service -1> Dual-12egion -1> Docu-ent Basect 1-1> 1cey-value 1-1> 2 Begions -1> 13 cusic Tier 1-1> auto failover -17 no replication 1-1> Hiercrchial -> Multi - Region -12 no failover Hy Us, Europe, Asia 1-1> Json Cilce 1-1> auto-failover -1> Sternard tier Use when Object Lifecycle Policies -1> Replicution 1-1> Semi - Structured Data -1> fc.il over -1> auto-atice11 transition to cheaper ties 1-1> Not Fixed Schemen 1> Mem Cachea 1-1> Different attributes across schema -1> Retention Policies (time)
1-1> Minimum periou In - 17 enong læg-valle store -1> Hold delete prevention -12 avery on Multiple attribute LI> Distributed 1> Ingestion volu-e not too high Security For: Reference clarta 2 Modes -1> All encrypted Query cuche d'cuche Results Session cuche -1> google keys -1> DetaStore Mode -1> customer supplied * Backera For Server apps -1> Is one cluster * No syncing with Mobile device -1> Bucket acces can be L1> 17 ax 20 10001es -1> Mative Mode 1-12 Bucket Livel Rules 1-12 Max 5 Tb merory Lis so gover for Carge carbe Needs * Mobile + Web apps Li> Iam -1> auto-atic logging * (cree Nurber of connections -17 Supports différent Services.