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f) a	to the second of
Day 20	
	1) Create an Resource Group.
	Cicole all resources from
	(1) Create an Resource group. . A container that holds resources for any Azore solution.
	like Virtual machines, datebases, accounts.
	. It hops managing & organizing resources
	to allowing you be deploy monitor, control access
	of WM Ladolete 86 - and of
	· Storage account 3 resources get
-	neturns deleted automobiology
	3. Shored lifecycle
-	2) Create a resource now, from Inside 29
	1. Storage Account
	· A container that holds all your storage dola
	-blobs, files, tables
-	Azure Blobs -> Cloud based object strege Solution
-	for unstructioned dota
-	· Cen stope vast amant of data like
-	imeger videos, audio
-	for unitructioned object strenge Solution for unitructioned dota . Can stoke nost amount of dota like images videos, audio highly scalable a cost effective Azure Nota lake >> Built on top of blob . Optimized for big doto, engelics with a hie varchical namespace
ed.	Azure noto loke -> Built on top of blob
nui	reprinted for big dolo engelics with a hie varchical namespace
	hie varchial nomespace
-	Gorganizes data like a file system
ma.	not a Hab
	3)
	<i>→</i> 30

07 Dormor Blob: -> Hord drive in doud. 10 ocate is Antibes are stored as objects, just keys 6 2 paths. No true tolders 000 00 With HNS: Create folders within folders 10 0 in we can have real directories, subdirectories 0 0 is Deta lake storage Gen? 1 · file system + folder organization on top of that 1 1 hard drive T 13 -> Redundancy Options 13 LRS (Locally redendent storage) · wwest cost · Data is replicated 3 times within a single detocenter. Wm 3 2 + 1/2= 4 Ifails, only Iromains so high risk of date loss 4 3+ : Extra cost 3. Many and providers use triple replication as a balance of cost reliability availably Bregion: A geographic area junere Azuro date Centres are tocated Ex East US | Cenale West U choose region becod on latercy collection of Anailably Zone: A physically reported deterenters within designed to be isolated from failures 2 3 of other zones 7 7 Date Centre: Adual facility whore sorrage & strage & remorting excepts T T 1

125 6-If a sorred of orsy foils 4 other copies in detecentio keeps us dete sole But of detecentre joils (fire power outere) ZRS -> Zone Redundant etrage Date is replicated across 3 zones in a region Limitation > regional discoster GRS - S Geo - redundant storage THE Date is repricated to another region GZRS - Geo Zone redundant storey 1 · tighest dirability e availablity dota remains safe y even if entire zone region fails TO 7 Dedurdary -> keepy extre copies of deta of Yesources - so that ornething foils , system continues to work 5

Far 26 Oct 0 O 0 Data Foctory 0 0 Ly cloud based ETL (Catract, Transform, load) Service 0 0 wed to move & transform dot as 03 from various sources to destinations, B for Analytics or sprage 0 TO " Used to build dota provines - to collect/clean dota automatically. 6 03 1 Pipeline : is a group of activities that together perform 0 a specific data workford, (ETL) T F 1 To SHIR Self Hosted Integration Runtime 13 in your compone's TO Sometimes data is not in Azure, maybe its appromises sol convex , or private Azure Notwork ANF Contreach the data as its not public : So a install SHIR ag (a small software agent) on the I cerver -9 inside or notwork. This good acte as a bridge byw 3 your doto & ADF 5 3 Lo Data needs to connect to AAF, somehow 3 D Public Endpoint & Stir connects to ADF over public internet 5 (but so curely encrypted) (SHIR > Azur 3 3 " simple setup, safe (outbound traffic only 3 @ Private Endpoint - Still connects to Apt privately often 5 5 using Azore Prilate links 5 · Traffic stays 100% private 5 . Used when imposure don't allow internet 2 communication 5 High socurty sensitie 5 5 T.

Ex " A company stone it's abla in onprem sol server) of @ ADF con't occoss it directly 3 Install SHIP on the system (which with a con access SQL server data locally send data securely to ADE Ex Public Enopoint > How its secure lencrypted? Ex . I bogin to bank we posite its public but encypted (https Environments on prom = means to company's own servers, detabases, & sprage & are physically noted in their own building / deterent to not in cloud. Ex= your official SOL somer · cloud : Acure SOL Ambrice · Hybrid · or porm AB + ADF ppelhos "S" storale for security · uses encryption to keep date private lake