Module 3 . [Cilobal Inhastenchue & Peliability] Selecting a Region 1 Compliance with data governance and legal Depending on your company and location, lequirements. you night need to hun data out of specific aleas. Example:

To your company requires all of its data

to reliable within the boundaries of uk, then choose [Lordon] region. Selecting a region close to your to get content to 2) Peoximity to your customer: Your company is in washing ton DC and then justile. many of your customer live in singapore.

Trusteed of for a government of the application Instead of hadquarters, em the application from singapoil legion.

(3) Amilable services within a region: Sometimes the closest segron might not have all the paties that you want to offee to untoness Example Suppose that you develope want to build an application that was Amazon Braket. Amazon Blaket is not available in every segion award the world in one of the serion that already Suppose that you are workiding states will states application in both the united states (4) Puling: The Beard that structure is 50% more to un some workload in the us region. and Beaul The cost of seenies can vary from venter or a george of data center within Availability Tones of miles apait from each other.

> It have low lateray [ the time b/10 when content requested & locaired ? between availability Zones ) It is a disaster occur in one part of the begion they are distant enough to esduce the chance are affected. 68TEP-1 Arrazon El2 instances in a single availability Instance Us-west-16 US-WESTIA Vs-west-1c the vs-weet-10 fails, you will Binitame. Here, love your Amazon E12 instances in a multiple or on of a hilly Instances . Instances WS-West-16 Us-west-10 WE-WEST-ICTE ve-west-1a were to fail, your application would to shell be curring in Us west -16.

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Edge Wation Edge location is a site that amazon cloud front wer to store cached topies of your content close to your automen for partie delivery. Edge location lache Amazon ECZ instance / -Here lets consider that data is in Beard and the customer lines in Chinal To provide the content to the customer to the customer instead of getting data from lovely at beared, you can get a copy lovely at your soft solve location that is close to your customer in location that I by doing the above process thina when customie requests one of your the Amazon cloud front / reteieres the file know the cause copy in eye location and delivered paster.

Ways to interact with Aws service AWS MANAGEMENT CONSOLE: 1) It is a web based interface for occerning and memering AWS flevices · D You can quickly access recontly used blenices by name, keyword or accongm 3) You can use Aws console mobile application perform tasks like monitoring resource, viewing alarms and accessing billing information convole mobile at same time AWS COMMAND LINE INTERFACE > AWS CLI is available for users on Windows, mac 0s & Linux. -) ANS CLI controls multiple AWS survive dicatly from the command line within -> By wing AWS CH you can use Commards to lounch American Ecz instance

SOFTWARE TRYECOPMENT KITS > It is also used to access and manage ANS Revise. -> 8DK enables use to AWS service with your existing application or cuate entirely new applications that will en on AWS. -) SDR supports peoperanning language like C+++ , java , . NET AWS Elautic Beautalk Using EBS you can provide O coole. 1 code. It deploys resources to preform 1 Adjust capacity. @ Load balanung -3 Automatic scaling. (4) Application health monitoring AWS cloud Formation you Proposition as code, You can build an environment by wilting lines of wode instead of using awayement wonsole to individually personal icsources

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