QI) Decide between a purvate or public doud for heeting a messile app with high traffic, renetive neer data and limeted budget. The chuice must balance scalability, securety and cut effectiveness

Sol & Public cloud - It is achoused computing service offeried by 3rd party providers where resources are sharred among multiple automous.

Advantages

- scalable and ability to manage high traffic volumes.

- autoscaling

is went effective

- glubal availability

is managed security & compliance

Disaelvantage

- limitel cutomiza

Lo security and data

mesh

-> hong-term operational cuts

Prevate cloud - Adedicated cloud infrastructure owned and leaved by a ringle organisation, puoviding complete central our security, untomisation and resource allocation.

Advant ages

is enhanced sumity 4) no resource completition leading to workis kint heufournance. 2) customization and control 4 long-term cut barings

Disactionlage

La limited scalability - complexity and meuragement is high uppront curti & maintenance

1-trammy 312A final memmendation: HYBRID APPROACH combinning both public and purivate Li het the application on a public chaud Le stone me semitive data on a sperioute double Lis leverage sieure connection to integrate

This approach toalance perfeumance, west and senuity, but of both me mortels.

(22) As the CTO, you must usualus cloud connectivity Essues affecting a napidly guomine multile app. encuring high availability and henfournance. Also compaire major doud puovideus and accommend the best fit bound on scalability, areliability and cert-effectiveness.

## 188 ms:

DINUNTANO 1) Intermittent connectivity - network congection or done puo voler outrages.

601n- implement muti-uegion nedundanty

27 slow perfermance - compficient server ereson res <u>801</u> - ontimise database querily.

37 high latency - remun located tem from many soin - deploy edge summy o's me a CON 4) ovuloaded wewey - traffic spilles solk- implement auto scaling

cloud of	moviclen comp	odulation	
	AWS	Anure	awayleand
strengm	strong security	y strong enterpulse integration	Best key Ai, Big claser aend hubernetes
mealhness	can be expensive, complex puring	Alexander American	pautnerentins
puriting model	pay-as-you-go neumed intances speet intances	Amilar to Aws,	competitive quicing, best you Al workload
best for	scelability, selliability, audiability, audiability, ausal coverage	enterprise solm	AIIML upplications and tubeunetes huting

Recommendation ..... AWS infrastructure per high availability Lackanced auto-scaling, load balancing, multi-urgion supposed multi-uegion supplient

Ly strong security, compliance, subscut

monitoring tools

## Questions

1) Sunerco

sell The company should implement a multi-negion, doud based securing desarter solution with automated backups, failuren and stowery security prelicies to prement

met. words so how to wont

eneure buildness future attacks and continuity

· | M F

day The company should virtualise its infrastruture unny hypervisors and wend integration to medice auts, impuone efficiency and enhance scalability while miniming physical euron dependencels. PrtSc

Backspac

Usy The online stelle should implement a doud-bassel board balancing solution with auto-scaling to handle traffic surger, entitle high availability, and puovide a reamleur shopping experience

ay The bounding application should use a multi-negion, meduadant boad balancing zetup with automatic feilower, des auten removery and 24/7 monitourry to meet strict availability requirements

aby four a small balracy, married husting is The best cherce. This option is highly west effective, suguires minimal technical expective then a st will be school tou chancoming a menu, docation and contact details untriend annumy high nexts. with the maken mound how

Limited of Dustry Gumes generals have

t structure betweenthis when nothing