CC Assignment-1 (4) (1)

wigner som : philips as subject (s Ul. Adv. and Dis. of why using Public and private cloud? >) Adv. of Public cloud

- 1) Scalability: Public cloud provides offers nirtually unbouted scalability.
- 2) lost-effectivenes: Public clouds operate on a pay-as-you-go model.
- 3) Maintenance Free: doud providers manage maintenance, upolates and security patches.

Dis. of Public cloud

- Ans Ensuring Mys Australities and response (1) Security Concern: There is potential risk of data breaches! tool (1)
- 2) limited Customization: It may not provide the level of customization sequired for security. (4) Multe-Region deployment

Adv. of Private cloud

- 5. Merihaping and Aleska D'Enhanced Security: Private douds provide better control our security.
- (2) Cust omization: Meets specific application performance and security needs.
- (3) Dedicated Resources: It can offer more reliability.

(3) Database Eptimization

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disadvantage:	MAN ECANIMATO Komaro
	office of the state of the stat
Offigh Cost: Setting up and maintenance co	ut.
2 Cimited scalability: More complex.	
wing Public and private beach?	edes Joseph Dan VBA of
N. O. t.	kaob sikin je oky je to siklod i philosope in
D'Impostouetuse Analysis	
2) Application Performance Monitoring	
2 Application Performance Monitoring 3 Database Performance check	2 hor
(4) Network Configuration Review	the same of the same of the first
	\$105°.
Ano Ensuring High Availability and Performance (1) Load Balancing and Performance (2) Auto - Scaling	nes
D. Auto - Scaling	
3 Content Delinery Network (cDN) (9) Multi-Region Deployment	instal instal about allowing
(y) Multi-Region Deployment	
3 Database Optimization	And Parity with
6 Monitoring and Alesta	
admire the inthese of the skine of court its	visit i gir and he will be
conditions has a manifely mirely of	

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Compasison of Major cloud

breasely at pellips	Strength	Weakness	Pricing Model
VS TAIL POATS	Extensive global infrastrution scalability, mide survice offering	Con or of	Pay-as-you go resisted
Microsoft. Azuse (1916)	enterprise tool	Can be complex for startups.	Pay-as-you go, served instances.
Google cloud platform (GCP)	Advanced AI/ML Services	smaller global reach compared to Atris/Azuse.	Pay-as-you go committed use contracts.

Recommendation & For This scenerio, Aws is the best choice due to this its extensive global infrastructure, strong scalability and reliable load balancing. Apalite do the least busy or sence.

of Autonomore features can digramically adjust the remoder of

nothing sucress land on real dine dimend.

Question based on scenario:

Ans 1. , Infrastructure as a service (Taas) provides scalable, on domand resources that allow company to revuer quickly.

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- *) Security features like encryption, acress control and threat monitoring help protect against future cyber attacks.
- is topics interpolation with law he confider Pay with the And. Wistualization allones multiple Virtual Machine (VMs) to run on a single physical server, reducing hardware costs.
 - -) It optimizes sesource utilization maintenance expenses.
 - -) It enables quickly scaling and resource based on demand, improving officiency.
- Ahs 3.) Load balancer distribute incomée traffic across multiple semens to prevent overload on a single server.
 - -) They improve response times and reduce downtime by directing + raffic to the least busy or server.
 - -) Auto-sealing features can dynamically adjust the number of active survers based on real-time demand.

- Ansy. I Vse sedundant load balancers in Adifficent geographical locations to ensure availability even if one fails.
 - -) Implement failouer nechanism to resoute traffic in case of severer failure.
 - Combine load balancing with CDN to reduce latency and optimize performance.
- Anss. A shared hostling or managed website builder service is the best get.
 - These options are affordable leasy to use and require minimal technical expertise.
 - -) Since the Website has low traffie, high-performance infrastructure is unnecessary.