Page:.....



1) lubicaloud us provate cloud for hosting mobile application.

- + Advantages of using a public cloud
- · less effectivency
- · Scalability
- " Maintahana free
- · Global man
- . Advanced according features
- \* Disadvantages
- · Shaud meaning
- Data lemoy wish
- · limited austomization
- Advantages of using a purioute cloud
- · Enhanced eccurity
- · Customization
- · Buchictable puckermany
- · Compliance
- Disadvardages
- · High wats
- · Limited scalability
- · Nanagement overhead

Thus a hybrid cloud approval might be the book which we can us public would for It's ecolability and cost effectiveness which hosting sensitive data and without components in puivate

2. Case Study: Addressing wronchivity issues and enaming high wailability

Rest couse of connectivity issue

- "Network originisation
- · Insufficient userness
- · Cloud publidu outages
- · Inefficient load distribution

Steps to most with isom

- 1. Diagnose the purblem
  - 1. Optimize Mounes allocation
  - 3. Implement load balanchy
  - 4. Improve redundancy
  - 5. Enhan munitaring and shuts.

Erswing High Brucilability and Rusteumanu

- · hour Balancing
- · huro sealing
- · Content diviny newous
- · Database aptimization
  - · Disaster morning plan.

## Companies of major cloud providers:

limidu	Strungths	Weaknes	living-model
Aws	- Extensive remains offerings - brobalin frastrutu - Jawag remains.	Complex pricing steep counting arous	with the tier for beginning
Azum	-Stewny integration with microsoft products -typnid cloud capabilities	- Limited global which compared to AWS - Less mature AT/ ML tools	- Pay as you go with discounts for long town commitments.
brough closed	- superior Ai/AL  and date  analytes tools  - Competition  perions	- Smaller market  There  fewer enterprise  Facuorel feature	Pay as you go with sustained use discounts

Thus, Aws is the biggest fit. It offers a subject global infrastructure, advanced recurring features, and entensive scalability options, which are chitical for handling high traffic volumes and ensures high availability.



- 1. Suranio: Cyber Attack renouncy using I aas.
  - · Disastu money sons offen wood based backup and disaster money wolntions to analose data quickly.
  - · Redundancy Ensures dato is emplicated orus multiple locations.
- · Lewity Jaas providues offer noture occurity features who firmallo, encuppion, and interesion detection.
- · Scalability Ollows rapid sealing of mounts for future growth and mailience
- 2. Scenacio: Cest suduction via vistuali zation.
- · Resource optimization consolidates multiple severes into feeler physical machines, audicing hardware costs.
- · Energy sawings Les physical haudware leads to lower energy consumption
- "Scalability Easier to add vierted machines.
- 3. Sunavio: Load Baloning during high traffic.

1

- · Traffic Distribution Specials incoming traffic across multiple summer to please our consultant.
- · Improved uptim Butomatically direct user to healthy would it on fails
- · Buto I caling Integration con trigger additional secure instances during pear traffic puriods



- 4) Scerawo: High availability for banking app.
  - · Multiple Availability zones Distributes turns accuss different geographic locations for mediandery.
  - · Health Monitoring Regularly cheeks summ status and menter traffic to healthy summers.
  - · failour me chanism Butomatically reduces to affir to backup senus during server failures.
- 5. Scenario: Small Bakery website hosting

Ruommendation:

should list or managed wouldputs hacking.

Reason:

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- Cost effective
- Ease of us
- Sufficient moenius
- Scalability