why should I take this course?

Why should I care about doud?

Virtualization?

rust?

what is cloud?

Pay as you of the sources of the so

Don't want to mange resources

Dhardware foult are common.

Assume your laptop crashes after Gyears

= 1800 days

If you've 200 of them, one is crashing glays

2m

. My big today got very popular 100 - 100,000 users

becoming popular is missed.

Solution: use 1,000 laptops. High upfront will

why cloud? Provides fault tolerance. Om

- Doesn't lose data even when Profesional disks might fail
- Moves your computation to other machine if CPU overheats and dies.

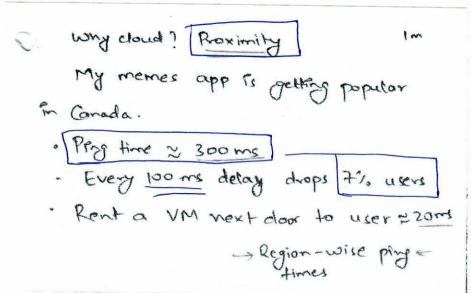
-AWS SLAF

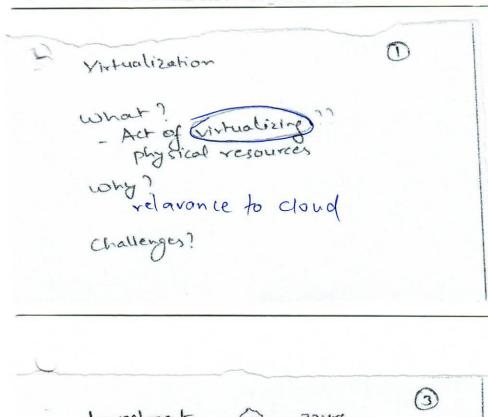
- Downtime & expensive > 5 IM/hour

- Crashed server
- Disconnected wifi / electricity
- Tamado/Earthquake

- loss of trust

- Bank lost last 100 transactions



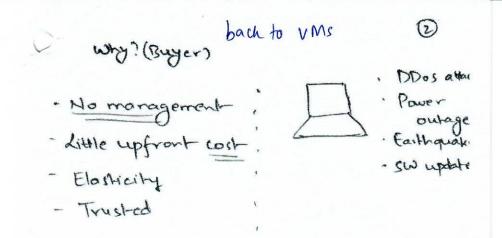


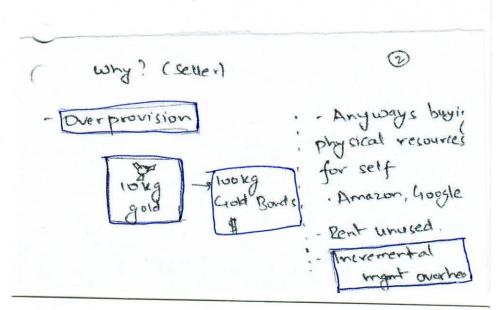
- Management, security overhead

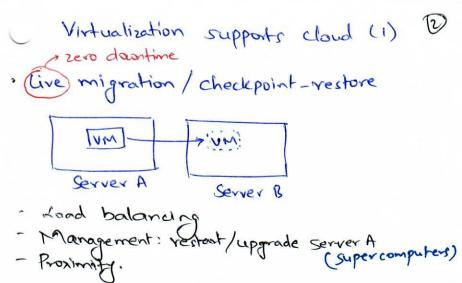
Buy virtual gold: Gold bonds

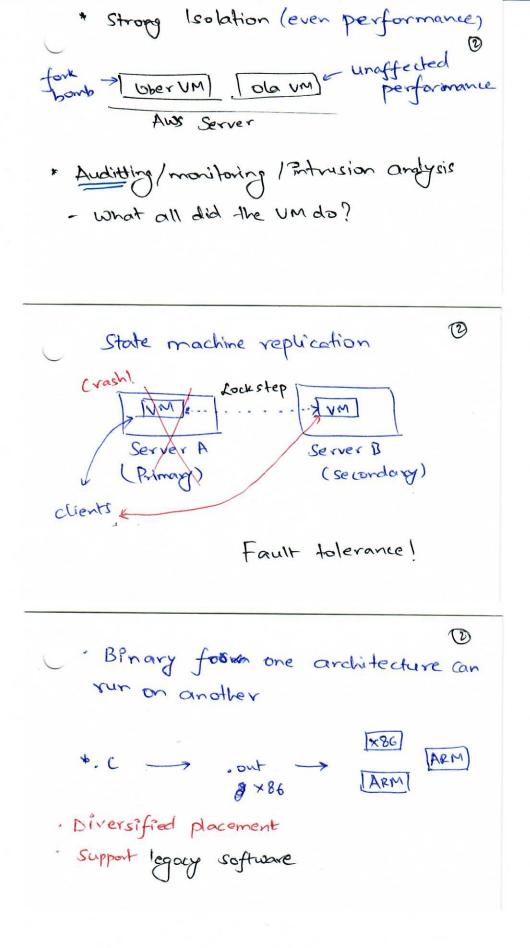
GOLD 109

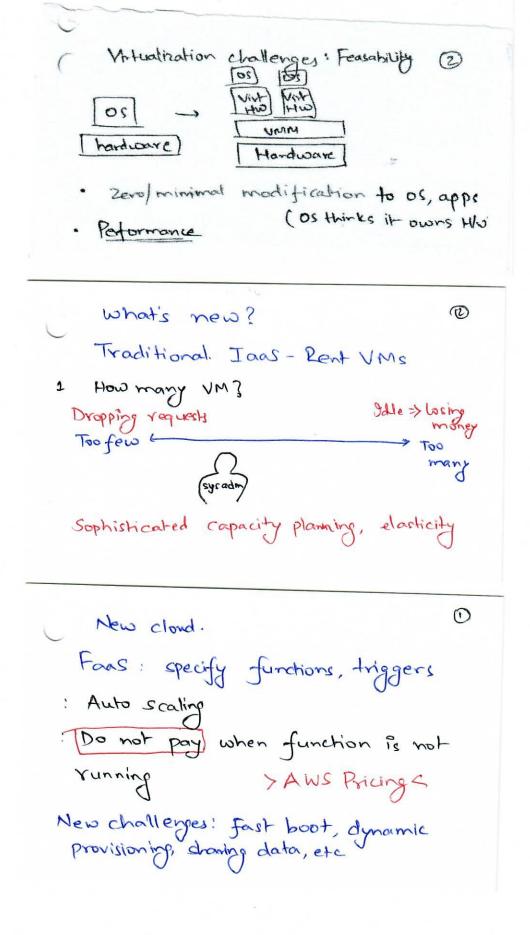
GOLD 109











A Faas. Mobile application backend \$ 2.33

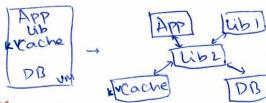
* laas. al. medium = 0.0255/hr 24 38 - \$ 18.36

a Ignoring data transfer/storage coch

what's new (2)

(2)

Monolithic - Microservices



Can we improve performance? Specialize for one workload?

· Scale Independently

. Different fault tolerance properties is crash lib, can't Crash DB

why take this course?

(1.5)

1 You'll work with cloud

- Startup: Using cloud infra (Personal project)

- Aws / Google / Azure: Managing
- ML experiments
- Research: Interecting problems 2. Hands on virtual mation: beautiful
- 2. Study real systems of freewalter history

- Highly collaborative project (1)

 Collaboration is hard

 > CIT, CI/CP, PRS, unit tests
- Design is hard =) Interfaces/abstraction but fun
- Real end-to-end product

- Fastest growing language "most-loved"

- Fast. Systems language
 /c+t
 stack overflow

 - Fast. Systems language