# Unit 4

## # Cloud Architecture for Data consistency

load Balancer



Cloud Consumer

Cloud Consumer

Automated Scaling listner.

VIM

Service A        Service A

VM          Main DB ⟷ Main DB          VM

VMM          Replication    Replication          VM
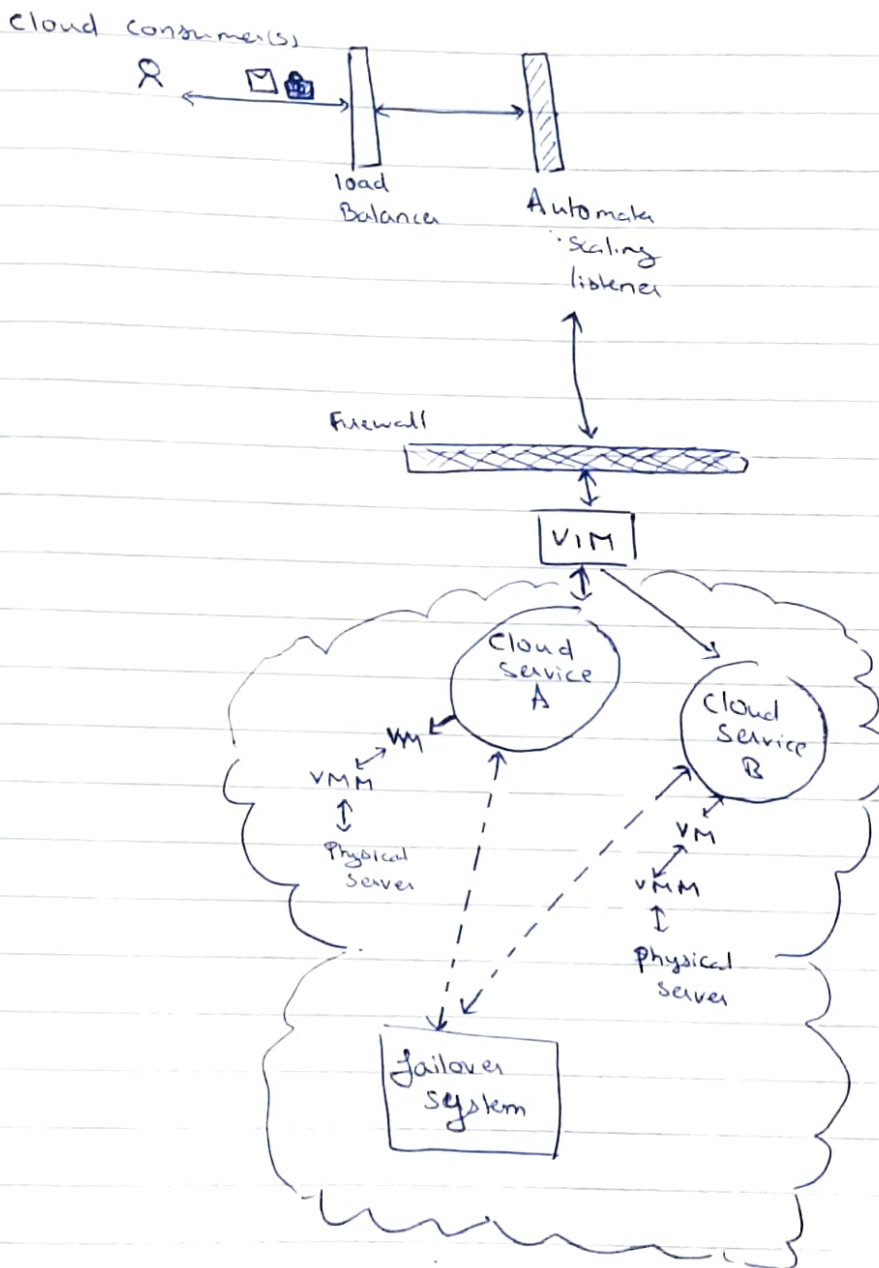
Physical Server              Physical Server

SlaveDB

Data Center 1              Data Center 2

Replication
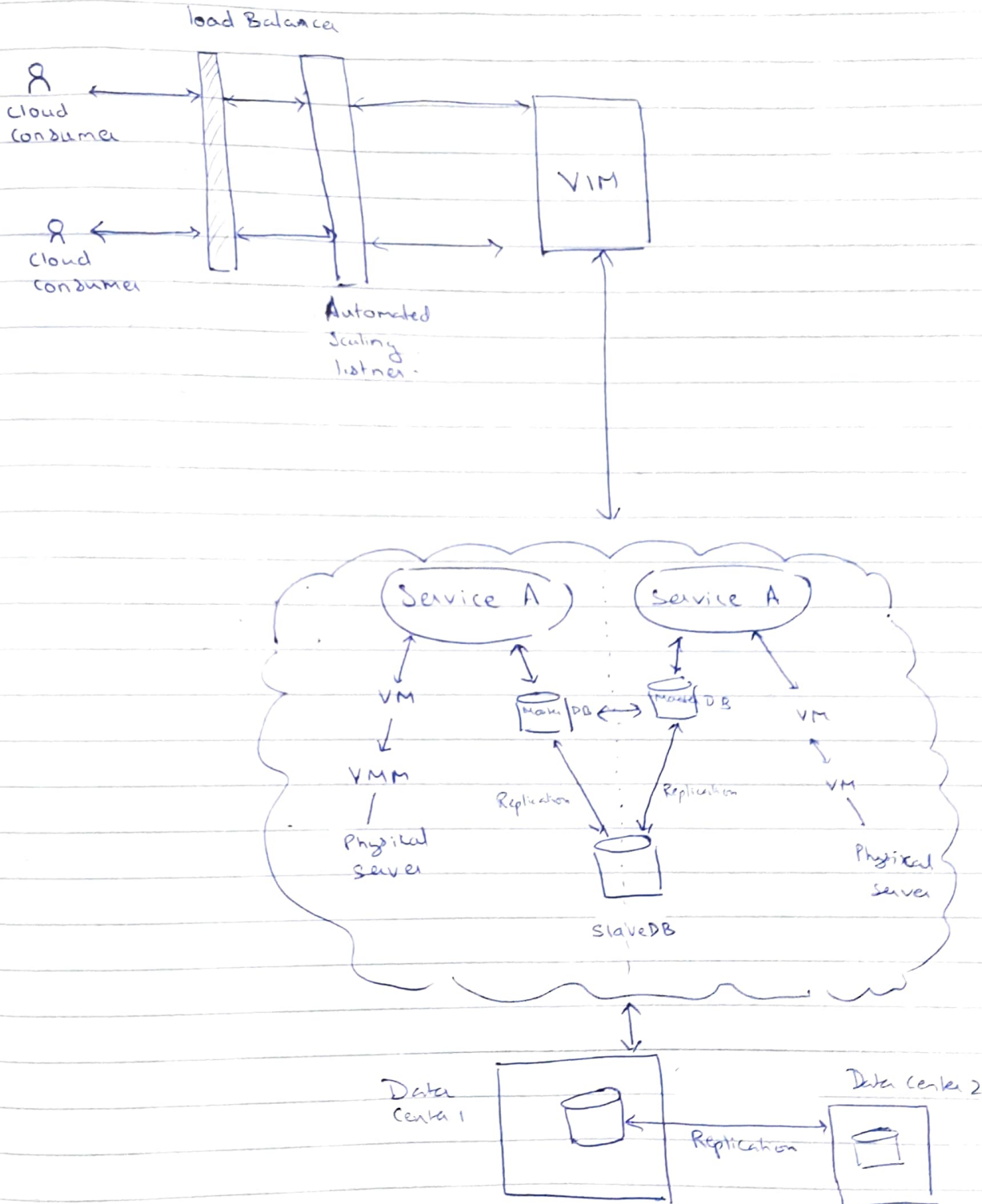
# Data Availability
(cloud Architecture for Data Availability)

Cloud Consumer(s)

load Balancer

Automated Scaling listner

VIM

Service A

Service A

Failover System

Master DB

Replication

Backup

Slave DB
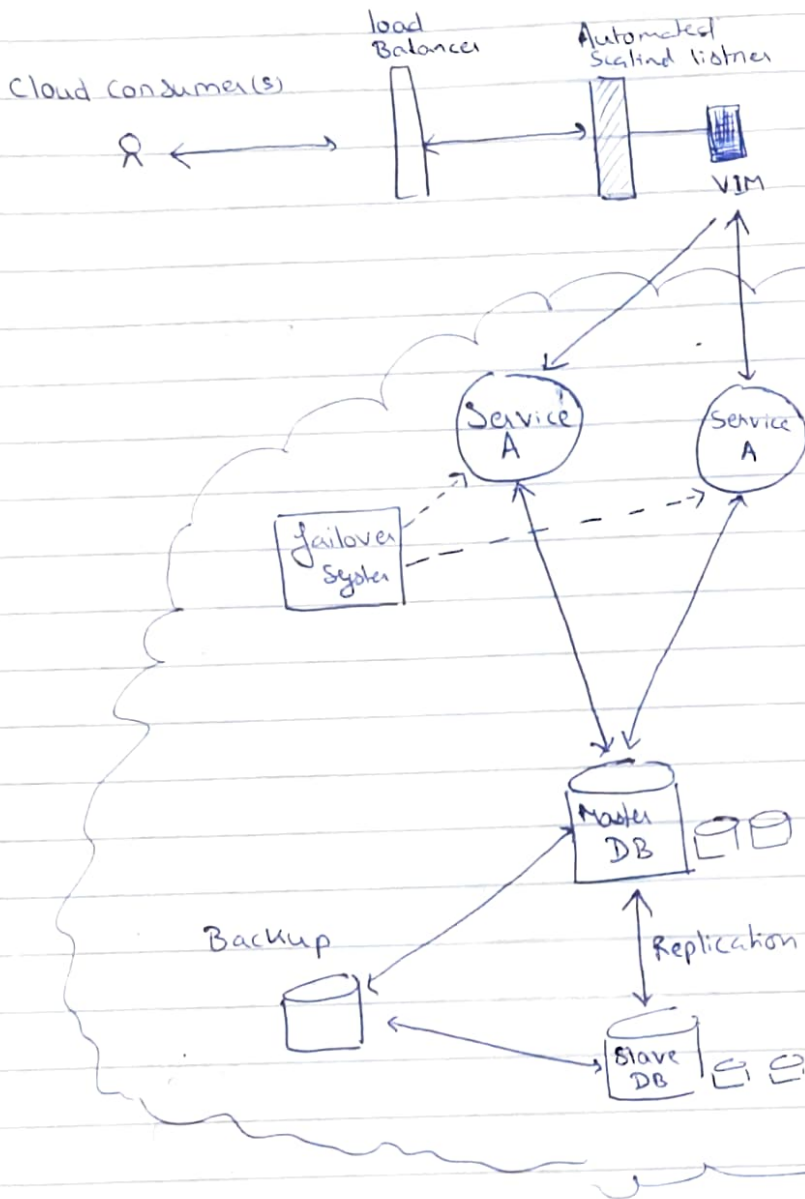
# Data Security

# (Cloud Architecture for Data Security)

Cloud consumer(s)



load Balancer

Automate Scaling listener

Firewall

VIM

Cloud Service A

Cloud Service B

VMM

Physical Server

VM

VMM

Physical Server

Failover System

# Service Oriented

cloud consumer(s)

load Balancer

Automated Scaling listner

VIM

application 1  |  application 2

Reusable Services

| Cloud Service A | Cloud Service B | Cloud Service C |

Data Repository

DB A | DB B | DB C