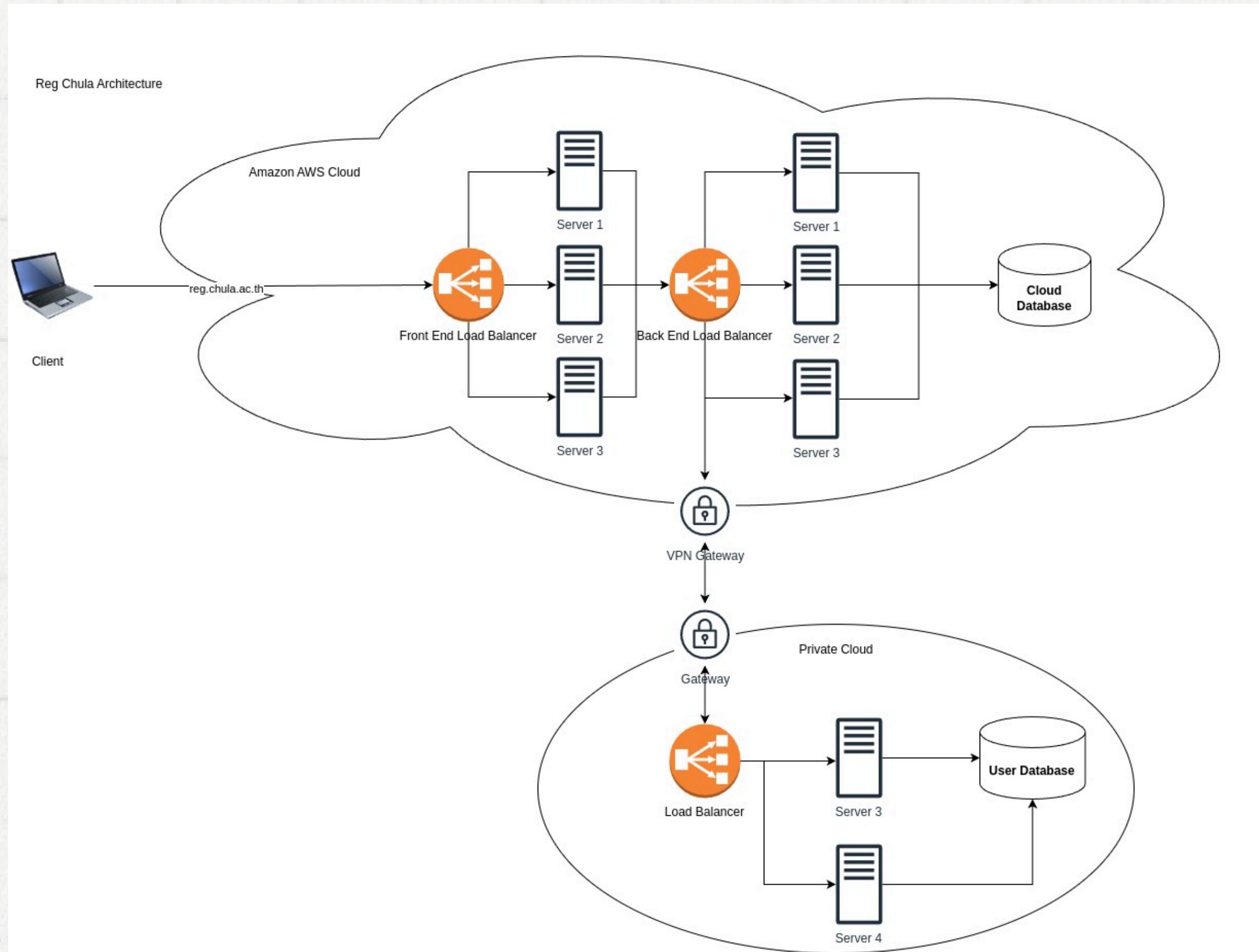


# Cloud Architecture

Tawatwee Aiemarreerat    6432073721  
Naravit Namson                6432085221

# Reg.Chula - Architecture



# Reg.Chula - Pros & Cons

Most services of our reg chula can be accessed in public cloud and services that require more security can be internally accessed in private cloud

## Pros:

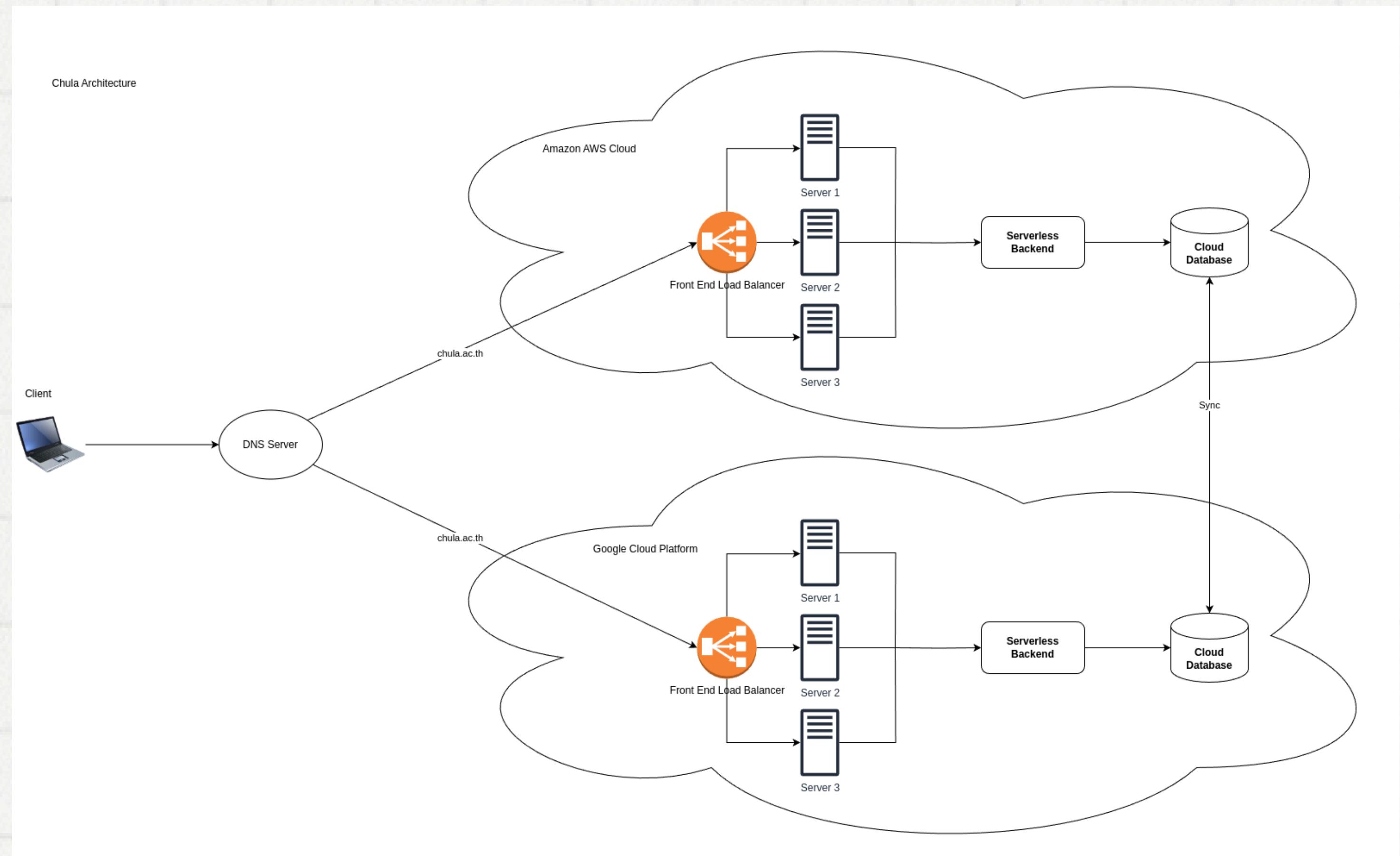
- More secure because most sensitive data can only be accessed internally
- More Scalability

## Cons:

- Vendor lock-in
- More latency if want to access internal services
- Need to estimate the cost from both public and private clouds

**Shortcoming: Availability due to rely on cloud server**

# Chula.ac.th - Architecture



# Chula.ac.th – Pros & Cons

Our chula.ac.th can be accessed on two cloud service providers using DNS to load balance redirect between them. Additionally, the databases are synced together.

## Pros:

- More Scalability because DNS server can distribute work-load
- Better availability and reliability because though one cloud is down, another cloud will cover all load

## Cons:

- Harder to evaluate the cost between cloud providers
- Require database syncing

**Shortcoming: Might be too expensive to use two databases**



# chula.ac.th

## Easier to design

01.

Have less sensitive data like usernames, passwords, or personal data, so there is no need for a local database.

02.

The peak number of users might be lower than that of reg.chula.

03.

The website has low complexity in functionality, as most of it is just a static site that displays information.

