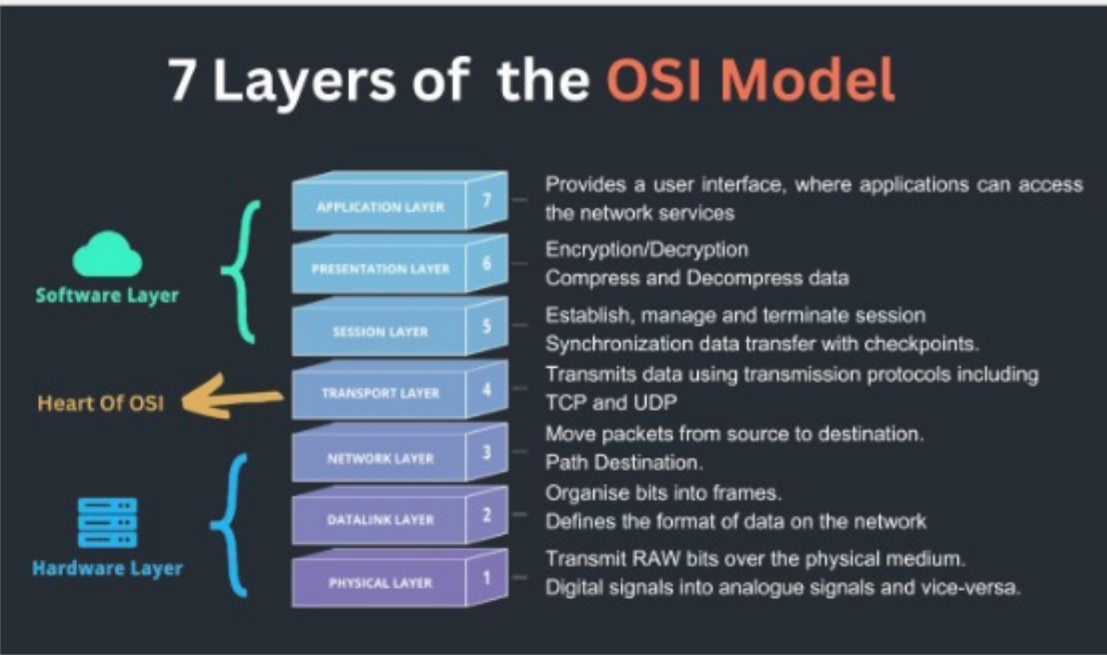


- OSI Model
- Cloud Networking
- How computer networks work?
- What is LAN, Switch, Router, Subnet, Firewall, Gateway
- Microservices Networking

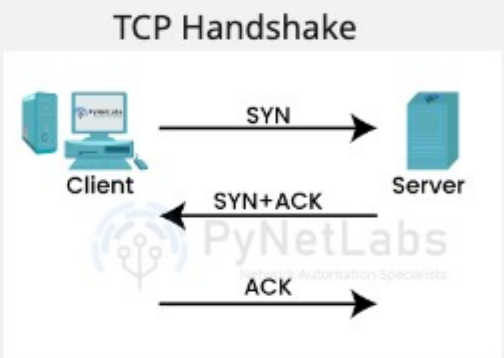
MAC Address
Media Access Control Address is a unique identifier assigned to network interfaces for communication within a network segment



TCP AND UDP

Protocol is a set of rules and guidelines that govern the communication and interaction between different entities in a system.

TCP - Transmission control prootcol
UDP - User datagram protocol



You're working on a **web browser** that loads webpages over HTTP/HTTPS.
Which transport protocol does it rely on?

session?

How does a firewall handle TCP handshakes?

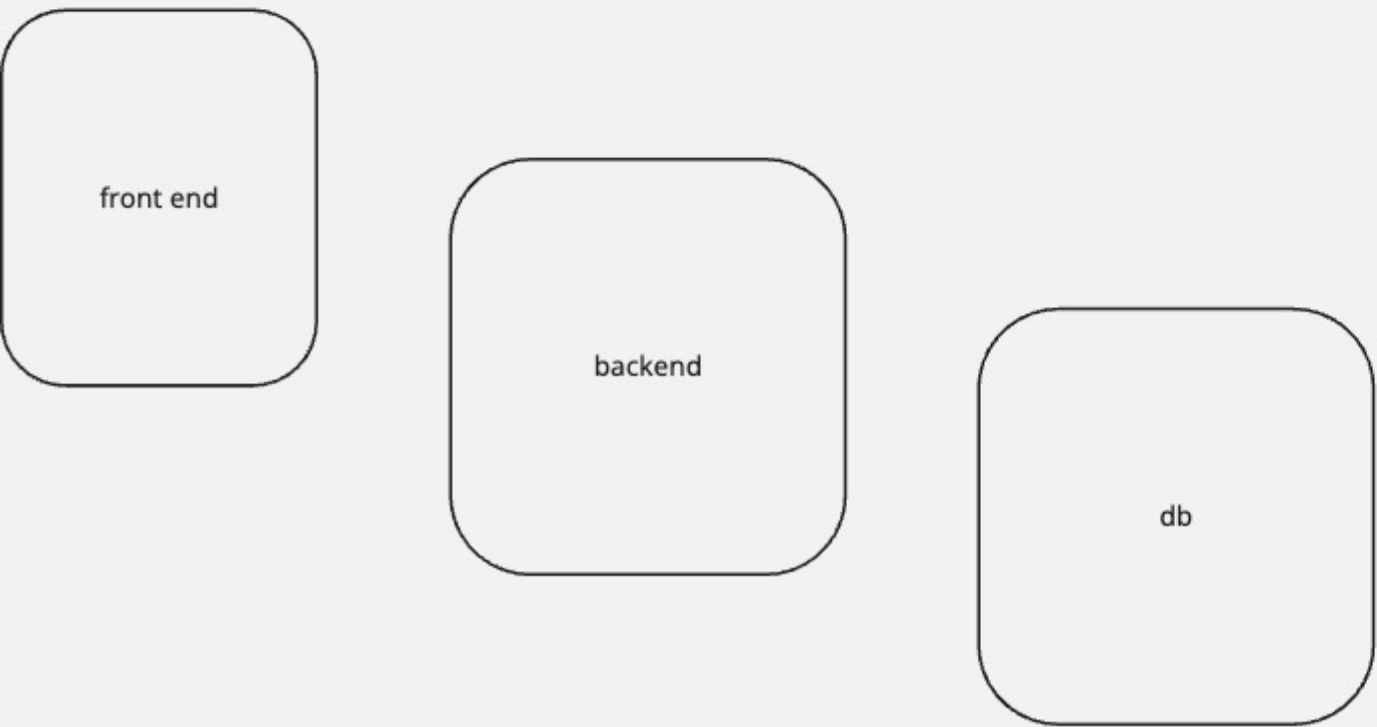
monolithic and microservices

A monolithic application is built as a single unified unit while a microservices architecture is a collection of smaller, independently deployable services. mi Mircoservices networking:

- Synchronous Communication: protocols: **HTTP/HTTPS, gRPC, GraphQL**

Asynchronous Communication: **AMQP advanced message queueing protocol** (e.g., RabbitMQ), **Kafka, SQS**

Cloud Networking



subnet: sub network