CLOUD STORAGE 101

WHAT IS CLOUD STORAGE?

REFERS TO A PLACE WHERE DATA IS STORED ON REMOTE SERVER

- ACCESSED VIA NETWORK/INTERNET
- ALLOW USERS TO ACCESS, MANAGE, STORE DATA ONLINE

WHAT IS NEEDED IN CLOUD STORAGE?

- HARDWARES
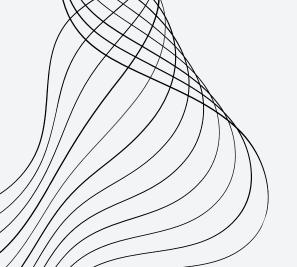- SOFTWARES
- NETWORK INFRASTRUCTURE
- SECURITY PROTOCOLS

HARDWARES

- server (8GB to 64GB RAM)
- storage arrays (SSD/HDD around 1OTB to 2OTB)
- network infrastructure (2Gbps)
- backup power (UPS)
- data center

SOFTWARES

- os (linux-based)
- storage management software
- database system
- network and security software

HOW TO CREATE ONE?

Step 1

define goal and plan system

Step 2

setup physical hardware:
- server configuration
- networking equipment
- physical environment setup

Step 3

install os

Step 4

setup system management software

Step 5

implement data access and UI

Step 6

secure cloud system

Step 7

monitor and optimize system performance

Step 8

configure billing and test