



# **SNS COLLEGE OF TECHNOLOGY**

**Coimbatore-35**

**An Autonomous Institution**



Accredited by NBA – AICTE and Accredited by NAAC – UGC  
with 'A++' Grade

Approved by AICTE, New Delhi & Affiliated to Anna  
University, Chennai

## **DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING**

### **19ECE308- WIRELESS TECHNOLOGIES FOR IOT**

III ECE / VI SEMESTER

UNIT 3 – DATA COLLECTION, STORAGE AND COMPUTING USING A CLOUD

PLATFORM

TOPIC –Cloud Storage



# Introduction

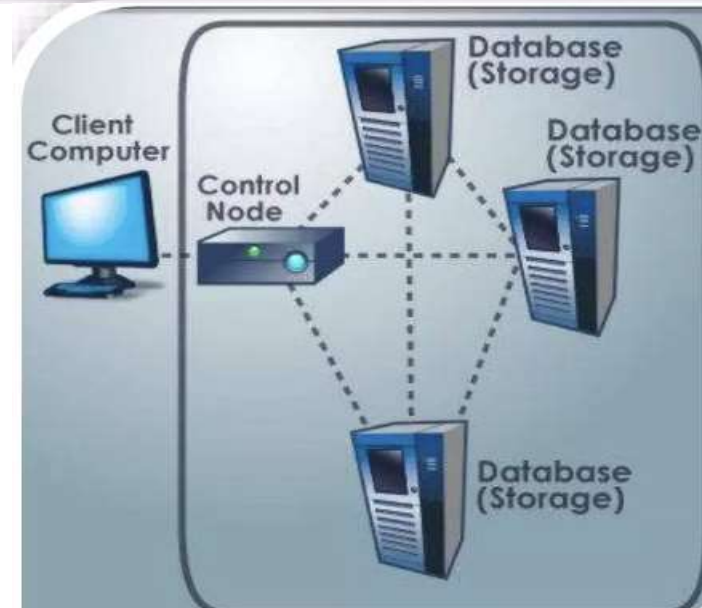
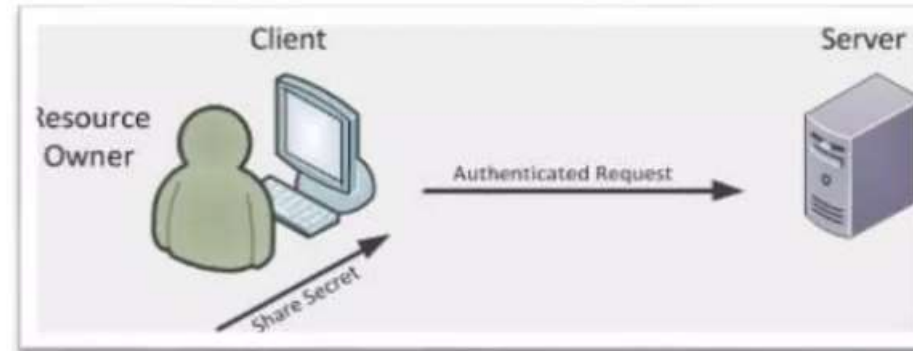
- ▶ **Cloud storage** is a model of data storage in which the digital data is stored in logical pools, the physical storage spans multiple servers (and often locations), and the physical environment is typically owned and managed by a hosting company.



# How does cloud storage works?



- Redundancy
  - Core of cloud computing
- Equipment
  - Data servers
  - Power supplies
- Data files
  - Replication





# Cloud Storage- Personal use benefits

## iCloud



- iCloud is a service provided by Apple
- 5GB storage space is free of cost
- Once the iCloud is used you can share your stored data on any of your different Apple devices
- Access to all files, music, calendar, email



# Cloud Storage- Business Use Benefits



- ▶ With cloud storage, there's no need for CDs, external hard drives, or localized servers.
- ▶ Data is quickly and automatically updated in the cloud and available for your retrieval whenever you need it.
- Should your office become the victim of a burglary, fire, or natural disaster, your data is safe and secure in the cloud, even if your physical assets are destroyed.
- One of the greatest benefits of cloud storage is its ability to grow with its users.
- With no need for physical, on-site storage space, you can have a smaller workspace, less equipment to buy, and fewer IT employees to maintain your equipment and manage your data.







# Advantages of Cloud Storage



- ▶ Usability
- ▶ Bandwidth
- ▶ Accessibility
- ▶ Disaster Recovery
- ▶ Cost Savings



# Conclusion



- ▶ Grid Computing was the last research-led centralised approach.
- ▶ However there are concerns that the mainstream adoption of cloud computing could cause many problems for users.
- ▶ Many new open source systems appearing that you can install and run on your local cluster.



**Thank You**