SNS COLLEGE OF ENGINEERING

Kurumbapalayam (Po), Coimbatore – 641 107

AN AUTONOMOUS INSTITUTION

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

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

CLOUD COMPUTING

What is Cloud Computing ?

➤ Use of computing resources as a service over internet.

➤ It refers to manipulating, configuring and accessing the applications online.

➤ User can access database resource via internet from anywhere as long as they need.

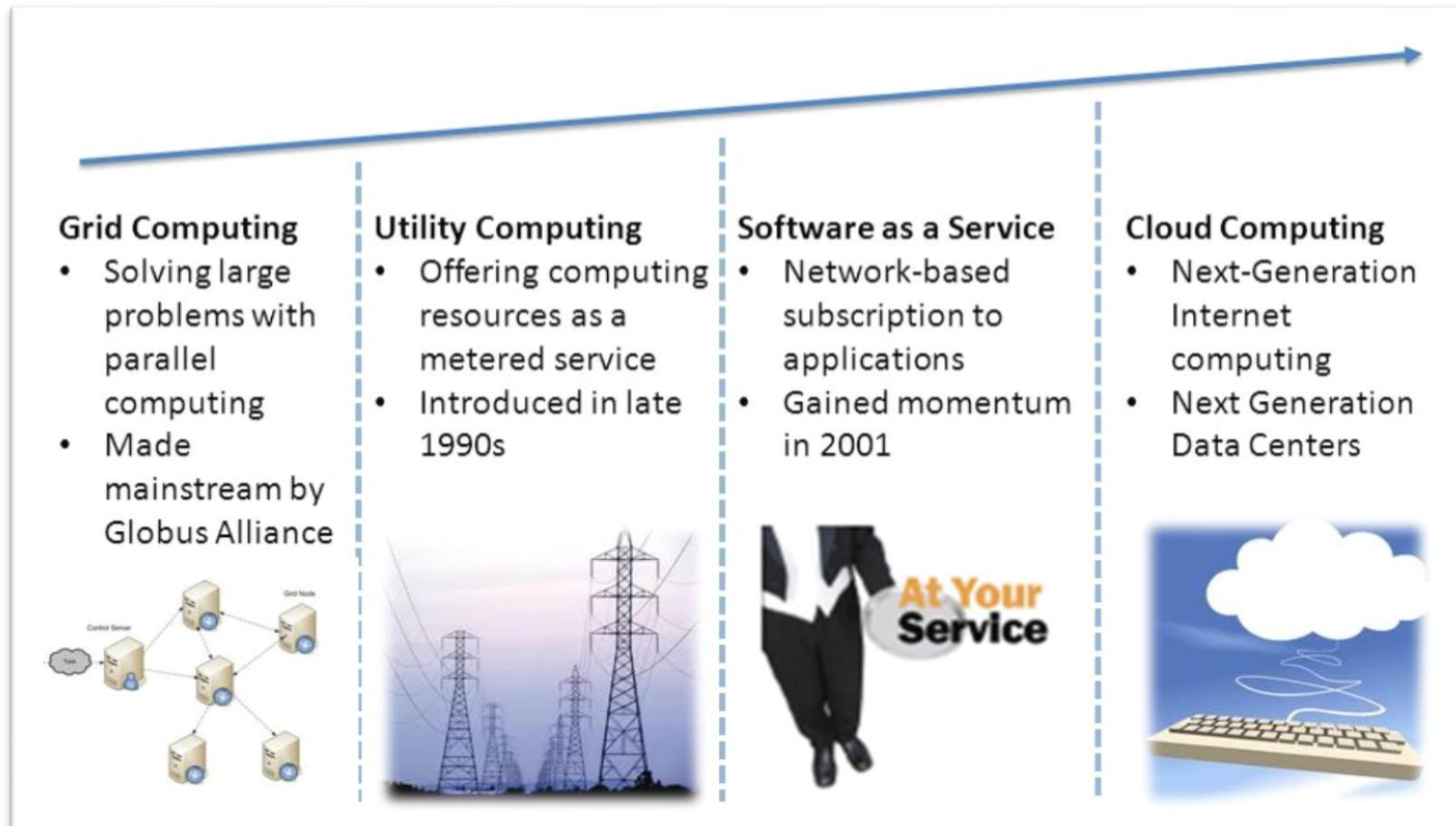➤ It is both the combination of software and hardware based computing resources.

What Can You Do with Cloud Computing?

- Cloud computing is a skill that can open many professional doors, lead to competitive salaries, and provide you with the training and skills to stand out to a range of recruiters and employers.

- Currently, cloud computing is one of the most in-demand skills you can have on your resume.

- Nearly all major companies use cloud computing, and this trend is expected to continue in the coming years.

Cloud Computing Skills Can Help You in a Developer Role

Origins of Cloud Computing

Grid Computing
- Solving large problems with parallel computing
- Made mainstream by Globus Alliance

Utility Computing
- Offering computing resources as a metered service
- Introduced in late 1990s

Software as a Service
- Network-based subscription to applications
- Gained momentum in 2001

Cloud Computing
- Next-Generation Internet computing
- Next Generation Data Centers

1950s

Large-scale mainframes with high-volume processing power.

The practice of time-sharing or resource pooling, evolved.

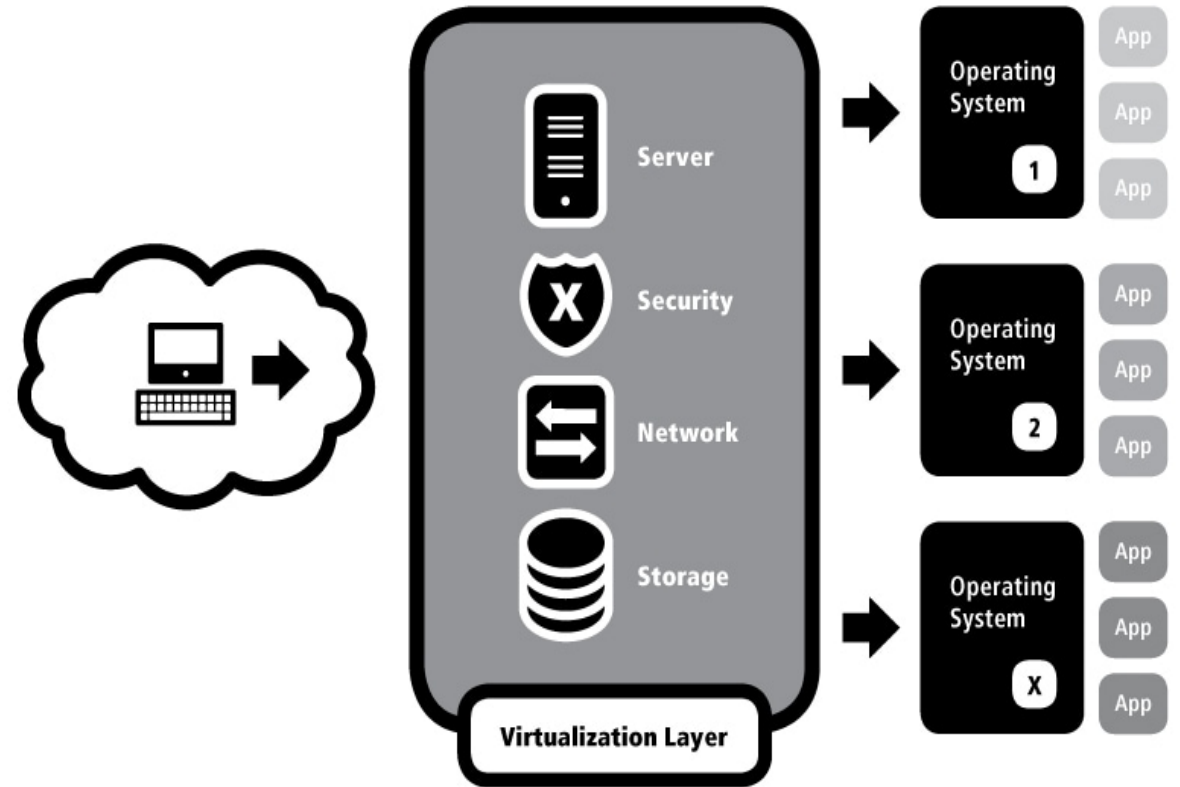Multiple users were able to access the same data storage layer and CPU power.

1970s

Virtual Machine (VM)
Mainframes to have multiple virtual systems or virtual machines on a single physical node.
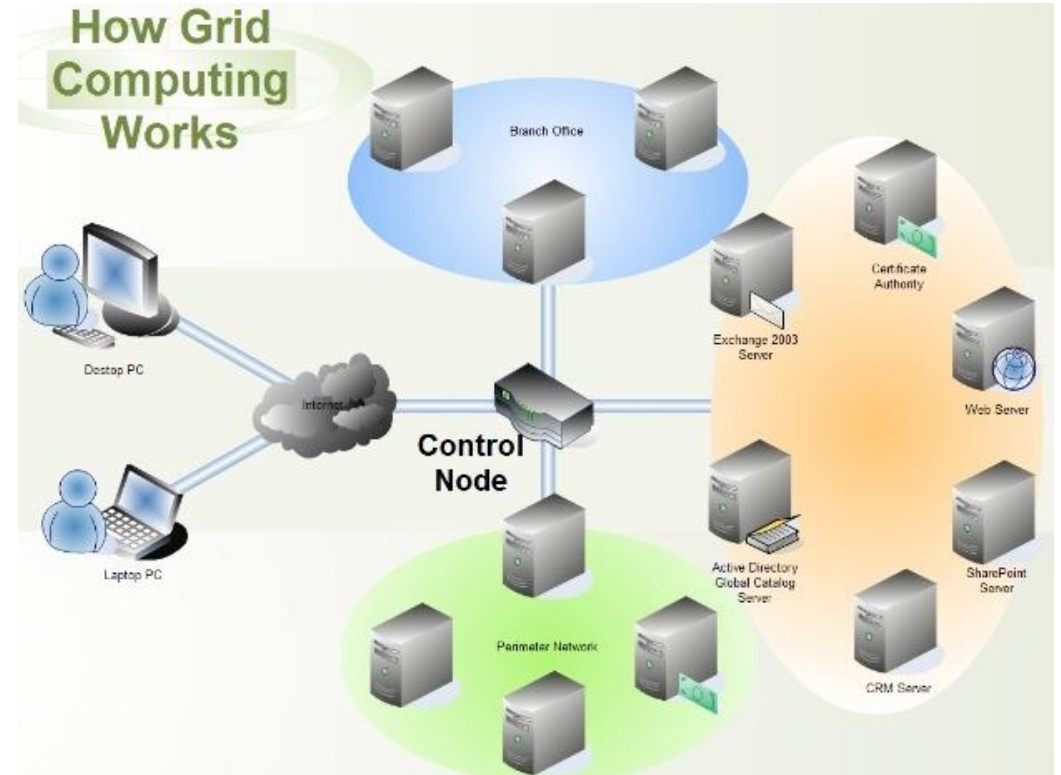
Virtualization meets the Internet

Let's say a company required 13 physical systems to run your sites and applications. With virtualization, we can take those 13 distinct systems and split them up between two physical nodes. Obviously, this kind of environment saves on infrastructure costs and minimizes the amount of actual hardware we would need to meet the company's needs.
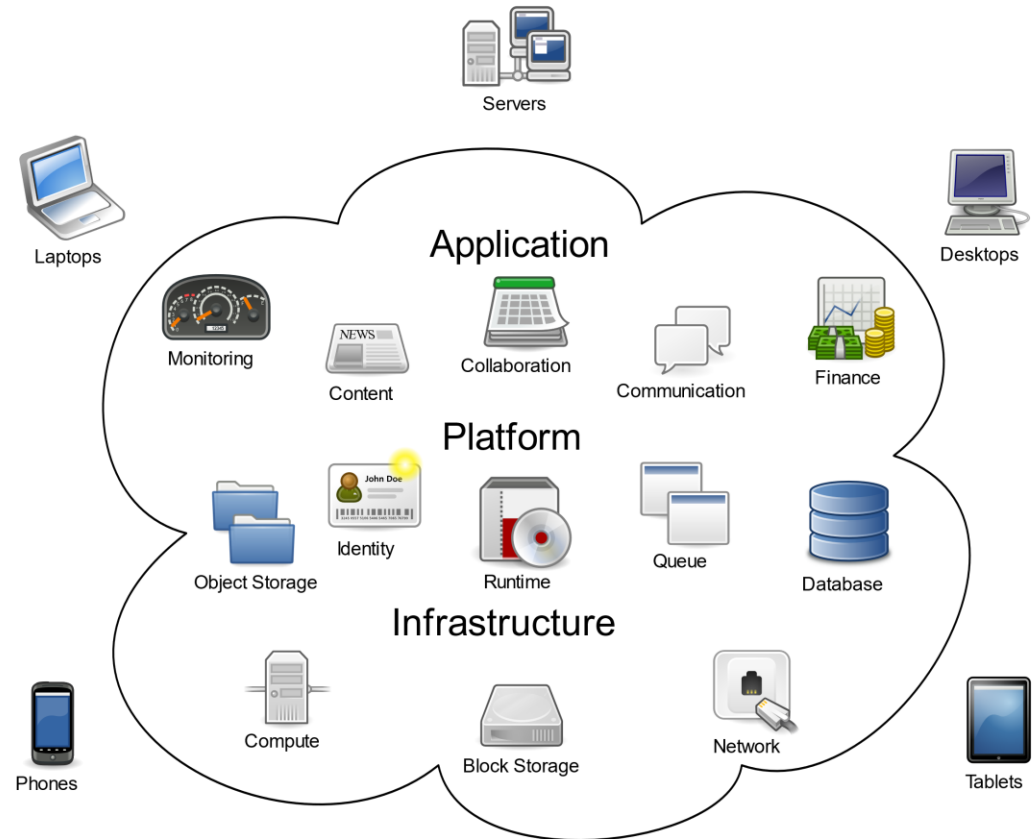
Grid Computing

How Grid Computing Works

- Grid computing is a distributed computing model that involves the coordinated use of multiple computers and resources to work on a common task or solve a complex problem.

- It is often used for scientific research, engineering simulations, data analysis, and other computationally demanding tasks.

Cloud Computing

Cloud computing is a technology model that provides on-demand access to a shared pool of computing resources over the internet. Cloud computing allows individuals and organizations to access and use these resources without the need for upfront capital investment in physical hardware or infrastructure.

Scope of Cloud Computing

During the pandemic, the organization moved toward remote work which has created immense demand for cloud service. In 2022, it is expected the market will have 35% of growth in cloud computing. Hence, making it one of the most demanded skill sets in the IT sector.

Why Opt for Cloud Computing as a Career?

Below are the reasons why cloud computing:

- High-Demand

- Blooming Field

- Job Role Variations

- High-Salary

Top Companies for Cloud Computing Professionals

1. AWS

2. Google

3. Microsoft

4. IBM Cloud

5. Oracle Cloud

6. VMware cloud

7. Salesforce

THANK YOU!!