CLOUD COMPUTING

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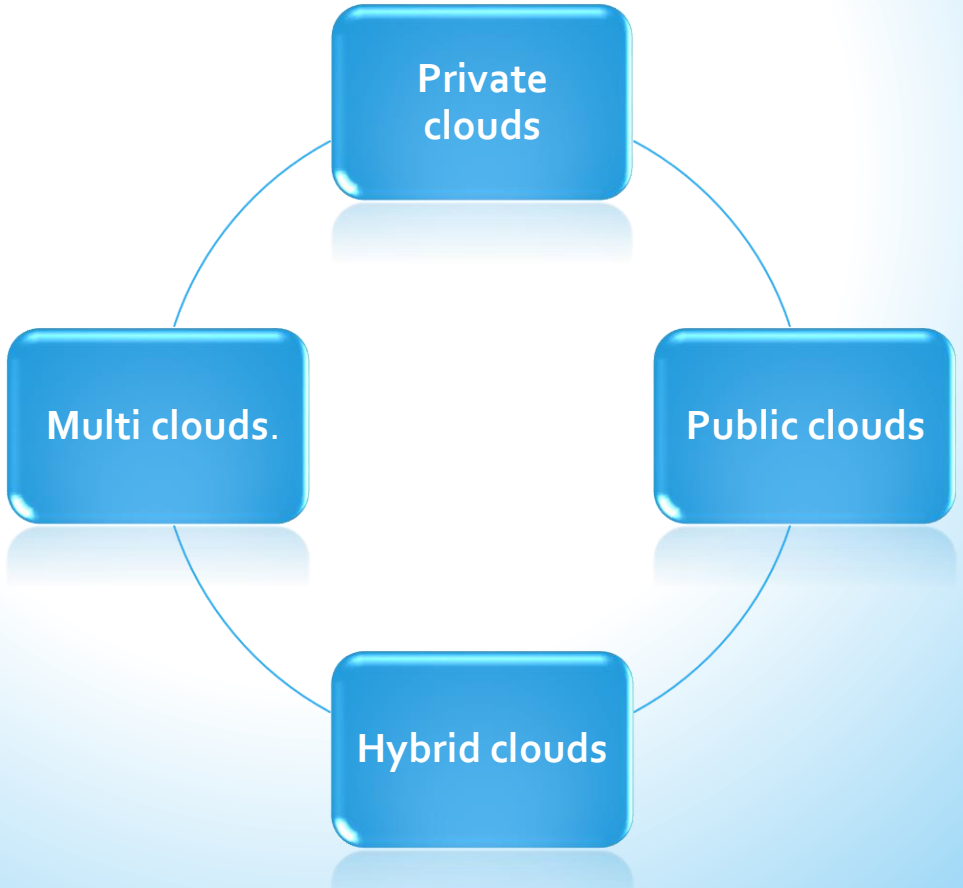
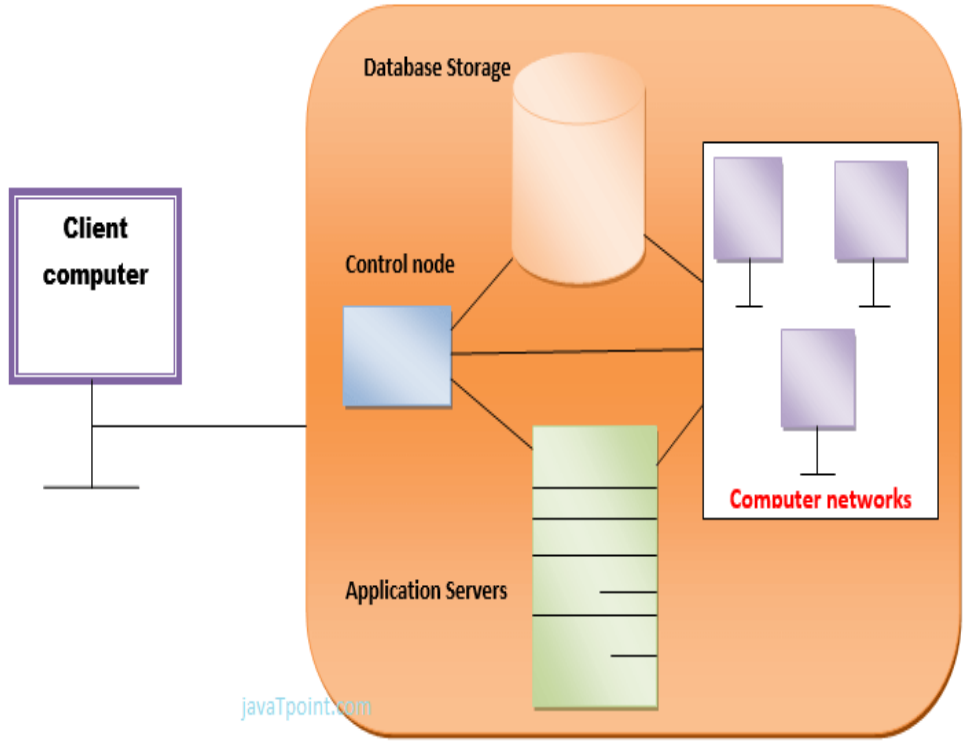
Cloud Computing

- The term cloud refers to a network or the internet. It is a technology that uses remote servers on the internet to store, manage, and access data online rather than local drives. The data can be anything such as files, images, documents, audio, video, and more.
- There are four main types of cloud computing:

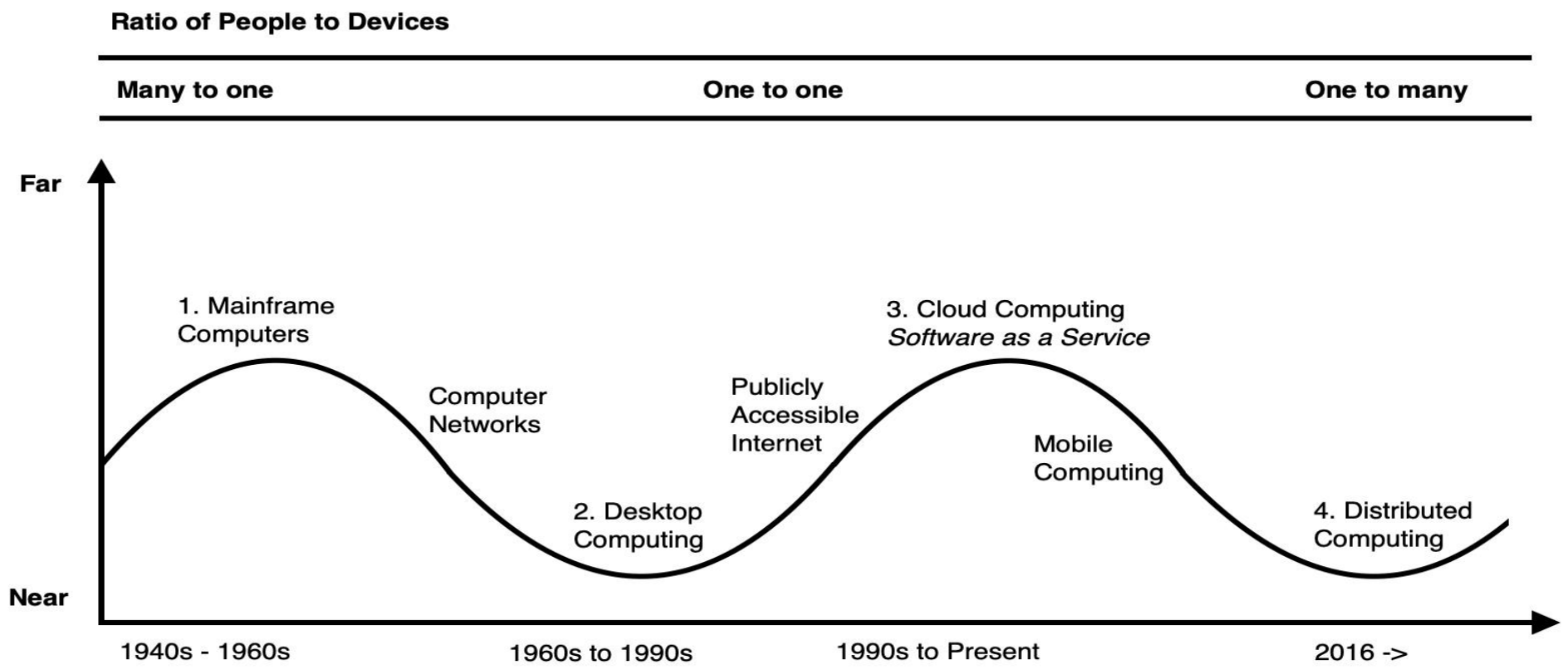


Working Method

- Using remote servers to store and access data instead of relying on local hard drives and private datacenters.
- In a cloud computing system, there is a significant workload shift. Local computers have no longer to do all the heavy lifting when it comes to run applications. But cloud computing can handle that much heavy load easily and automatically. Hardware and software demands on the user's side decrease. The only thing the user's computer requires to be able to run is the cloud computing interface software of the system, which can be as simple as a Web browser and the cloud's network takes care of the rest.



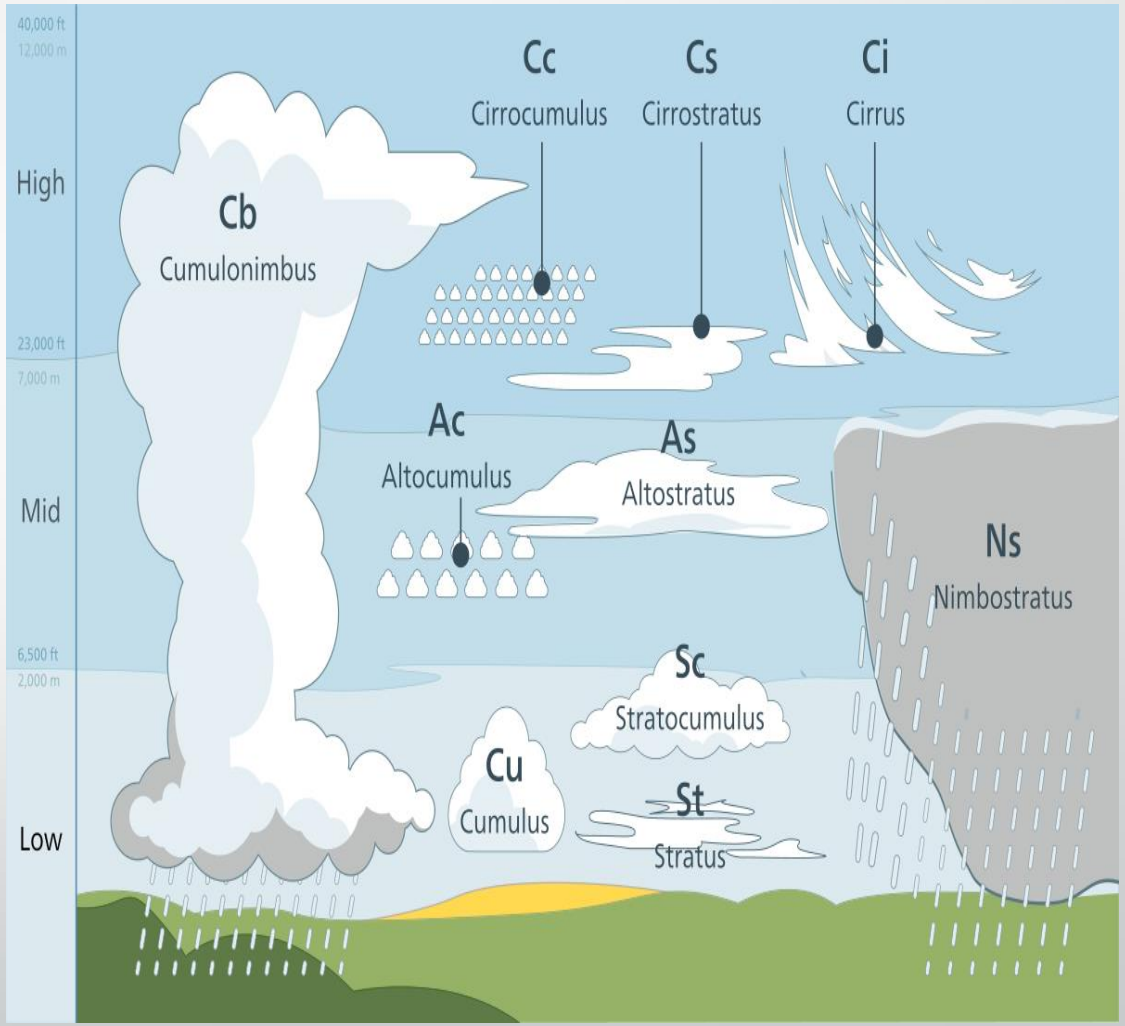
How will the wave of computing impacts us


Ratio of People to Devices
Many to one
One to one
One to many
Far
Near
1. Mainframe Computers
Computer Networks
2. Desktop Computing
Publicly Accessible Internet
3. Cloud Computing
Software as a Service
Mobile Computing
4. Distributed Computing
1940s - 1960s
1960s to 1990s
1990s to Present
2016 ->

What are 5 main types of clouds?

The list of cloud types groups all cloud genera as:

- **High (Cirro-Cirrus)**
- **Middle (Alto)**
- **Multi-level (Nimbo-Cumulo)**
- **Cumulus**
- **low (Strato-Stratus).**

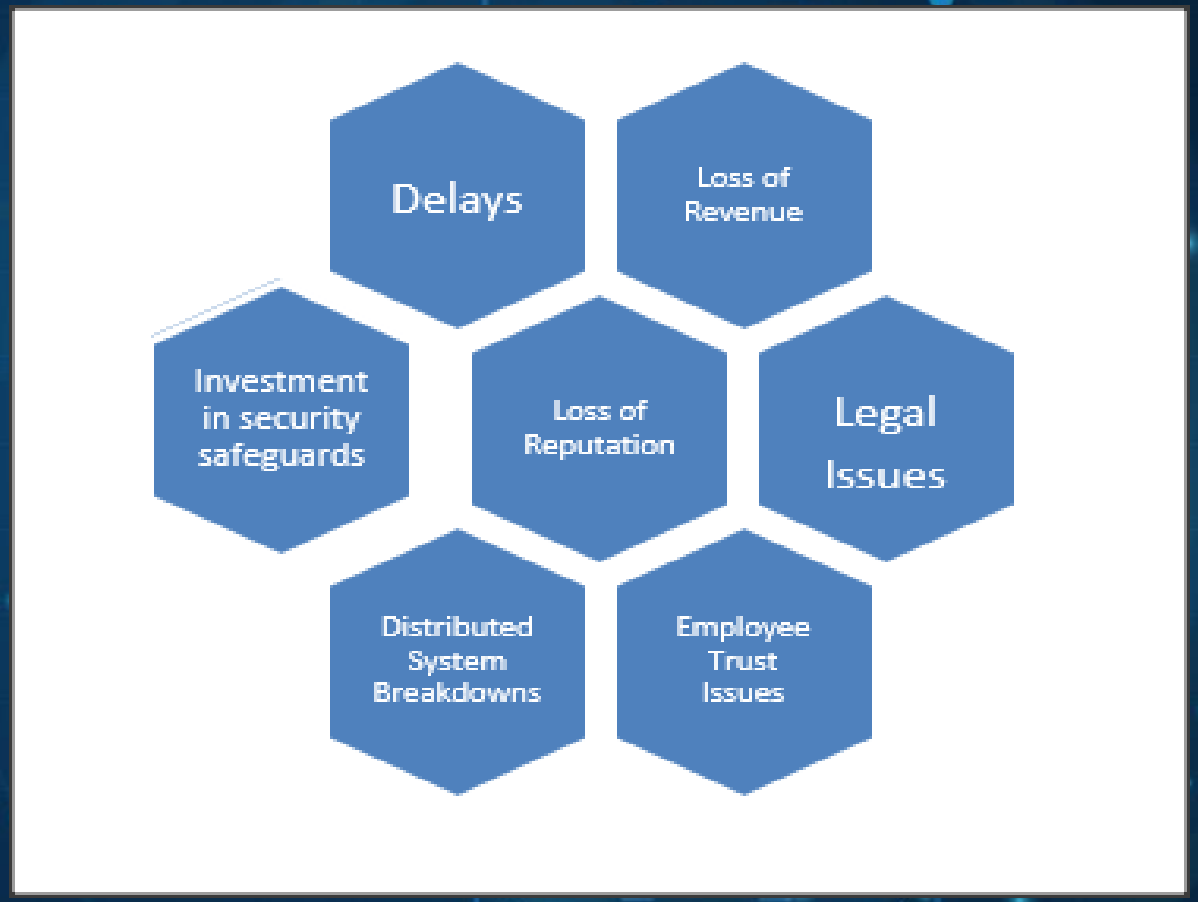


Benefits of Cloud Computing

- **There are 12 common benefits of Cloud Computing:**
- Cost Savings
- Security
- Flexibility
- Mobility
- Insight
- Increased Collaboration
- Quality Control
- Disaster Recovery
- Loss Prevention
- Automatic Software Updates
- Competitive Edge
- Sustainability

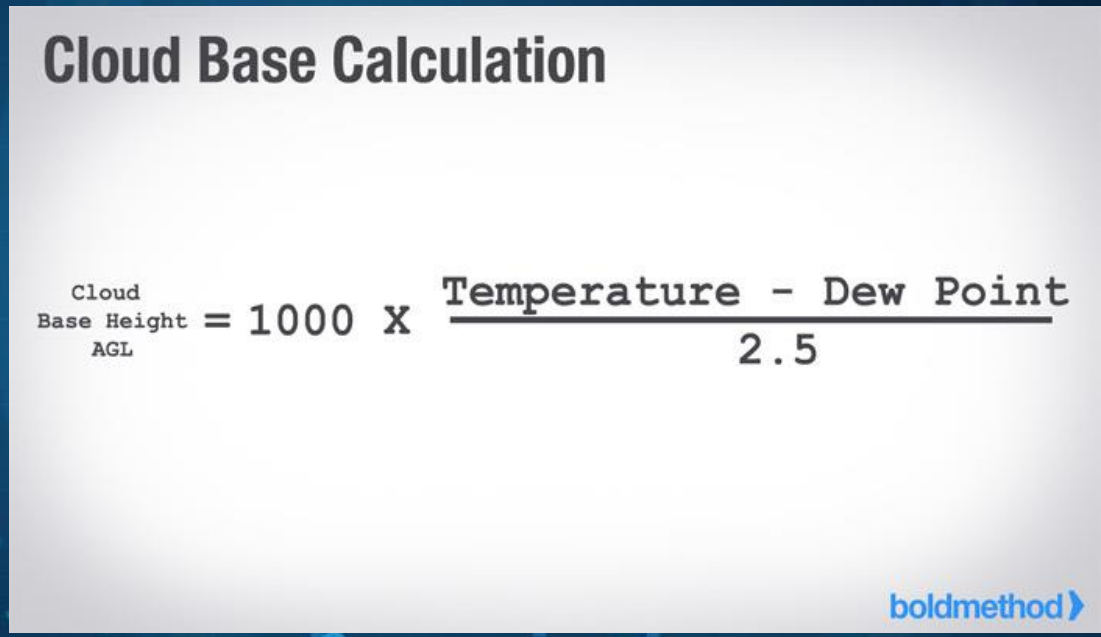
Disadvantages of cloud computing

- data loss or theft
- data leakage.
- account or service hijacking.
- insecure interfaces and APIs.
- denial of service attacks.
- technology vulnerabilities



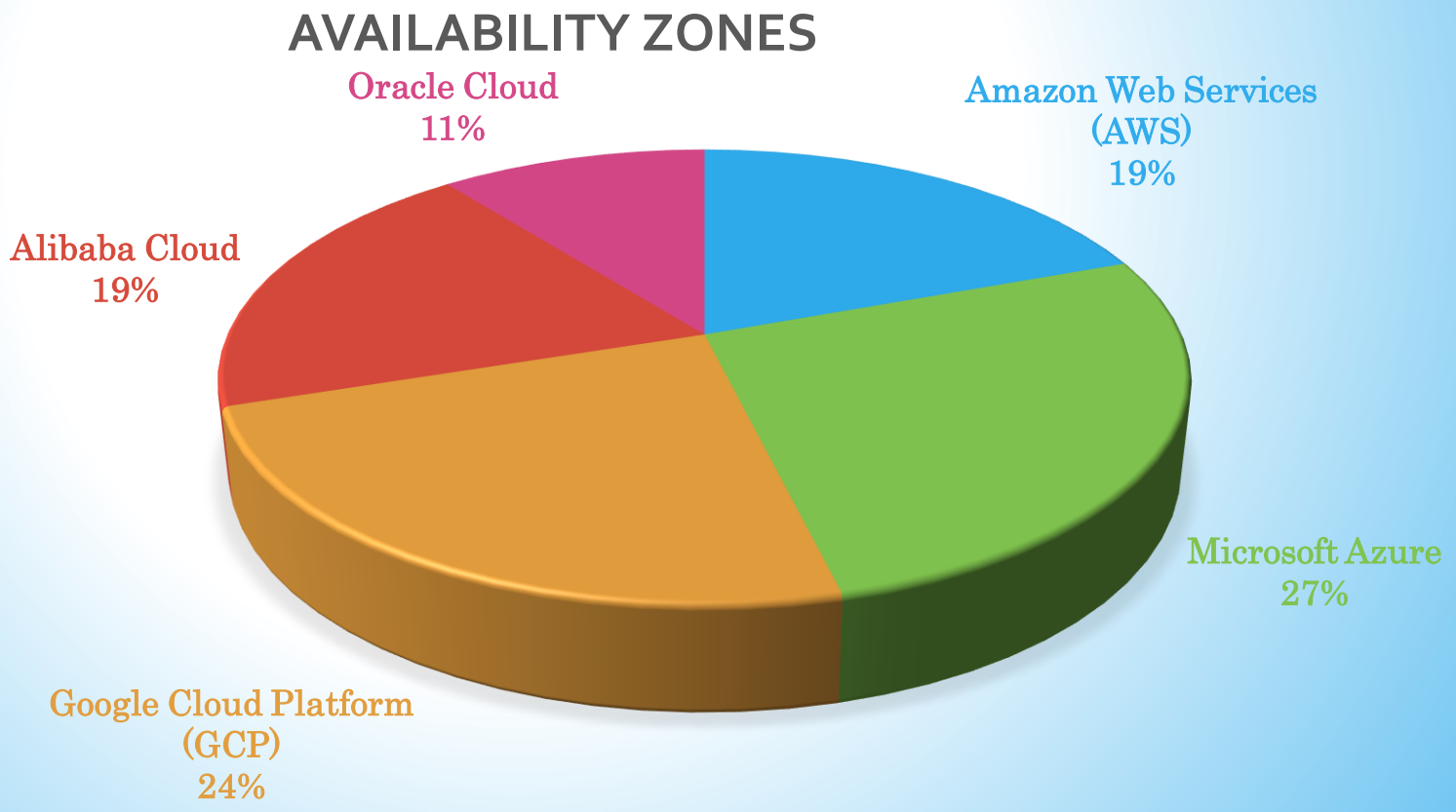
Cloud Formula

- Find the difference between the temperature at the surface and the dew point.
- Divide the difference between 2.5.
- Multiply the result by 1,000.
- This will then give you the height above ground level.
- Add the elevation of the airfield and this will give height above sea level.



Top 5 service Provider

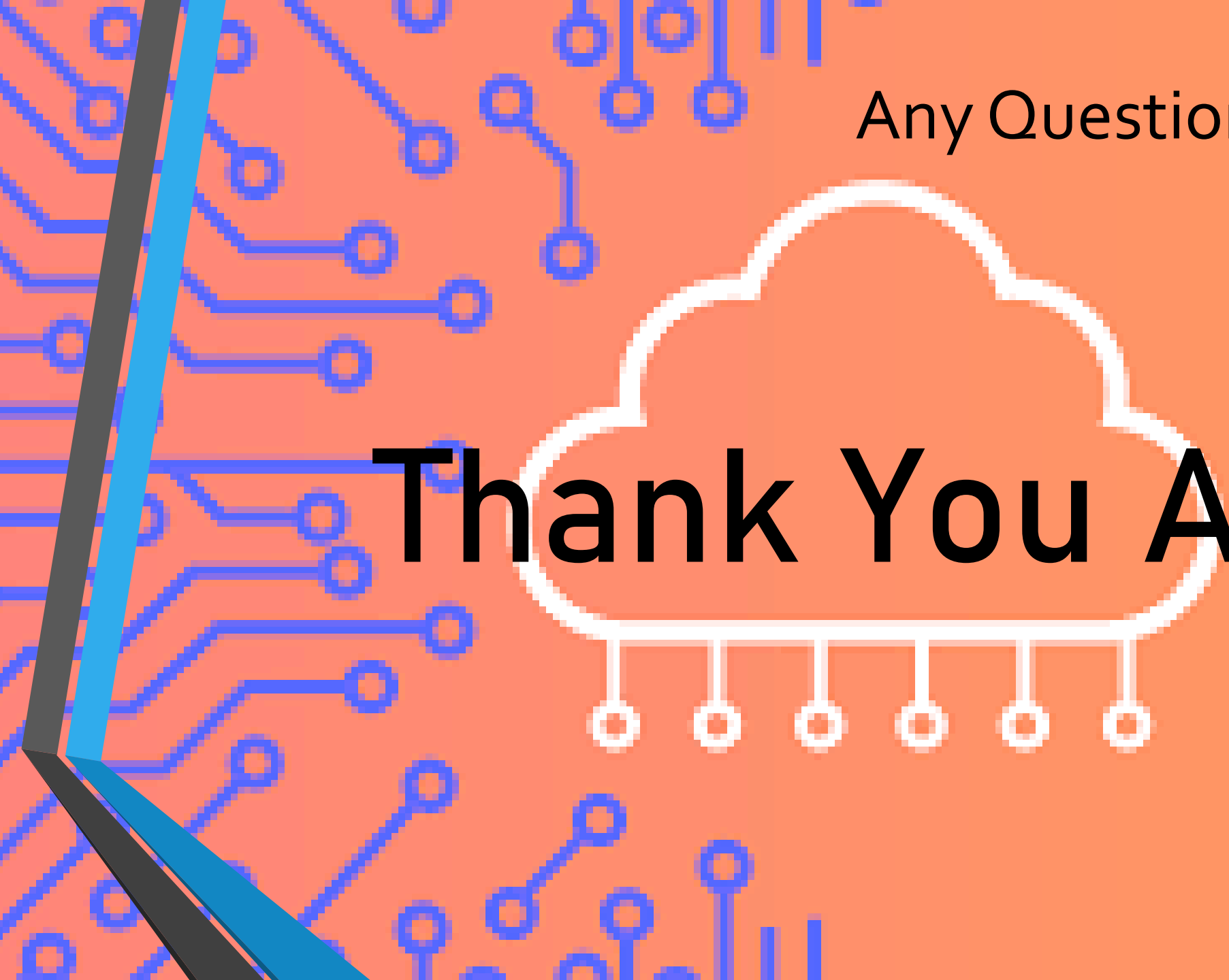
Amazon Web Services (AWS), the cloud computing service of Amazon.com, is the largest cloud service provider globally. From its data centers, the business provides over 200 fully featured services including compute, storage, and database. AWS currently has 26 regions and 84 availability zones in operation. These regions and availability zones are located throughout the United States



INDUSTRIAL DEMAND OF CLOUD COMPUTING

- REPORT OVERVIEW. THE GLOBAL CLOUD COMPUTING MARKET WAS VALUED AT USD 483.98 BILLION IN 2022 AND IS EXPECTED TO EXPAND AT A COMPOUND ANNUAL GROWTH RATE (CAGR) OF 14.1% FROM 2023 TO 2030.

Any Question?



Thank You All