Welcome

Presentation by :

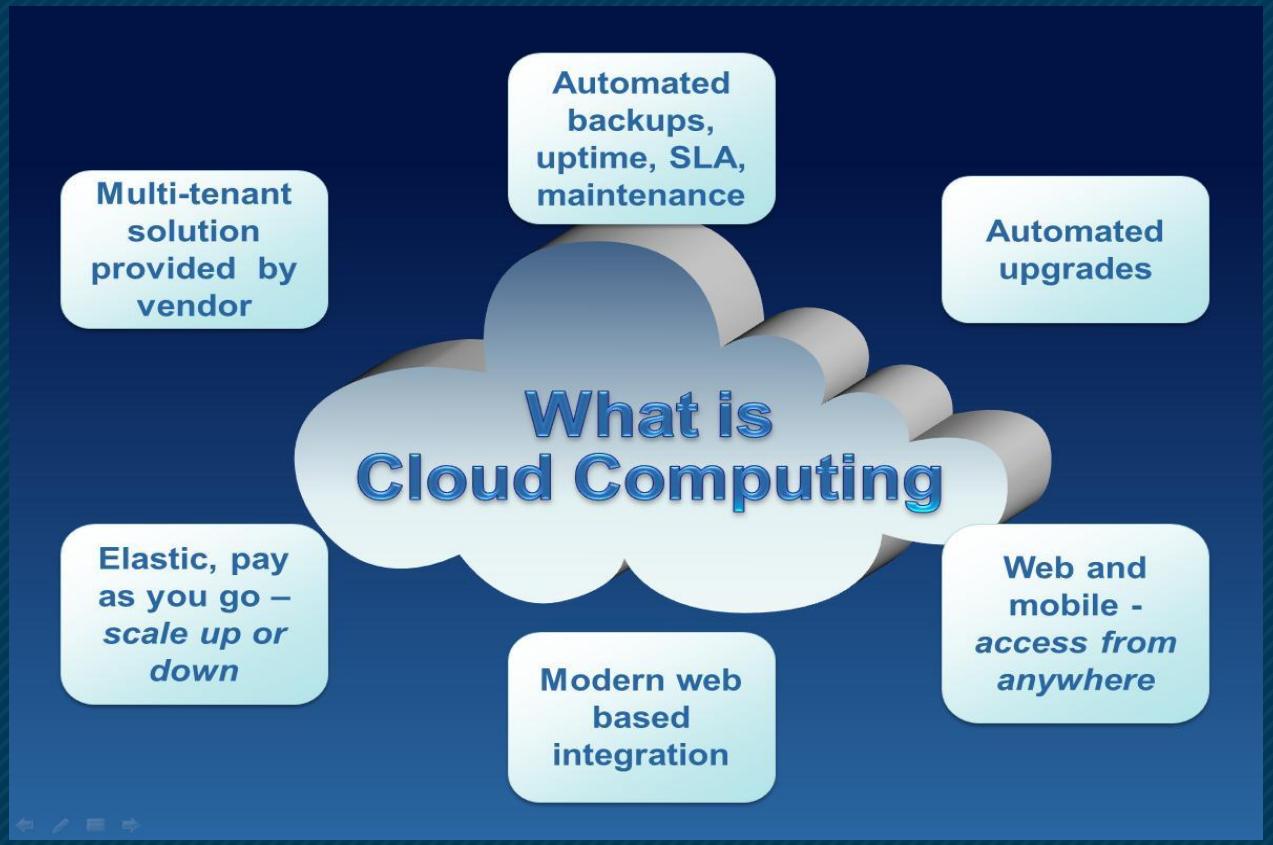
- Nawrin Tabassum; Id:18.01.04.045
- Nushrat Jahan Shorna; Id:18.01.04.032

CLOUD COMPUTING

YOUR DIGITAL CONTENT, EVERYWHERE YOU ARE

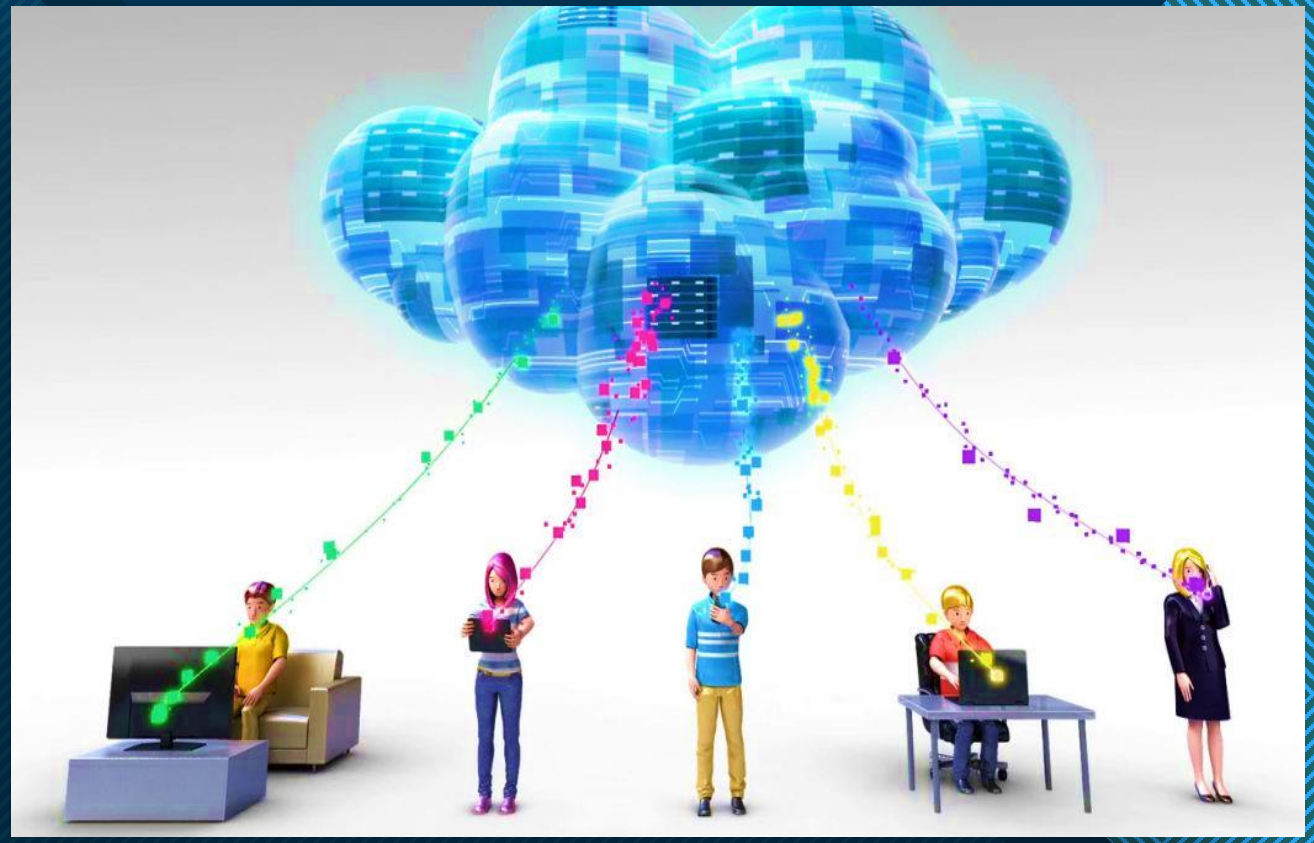
What Is Cloud Computing?

Cloud computing is the delivery of computing services – servers, storage, databases, networking, software, analytics & more over the internet; which are available to users on an on demand, pay-as you-go basis.



Characteristic's :

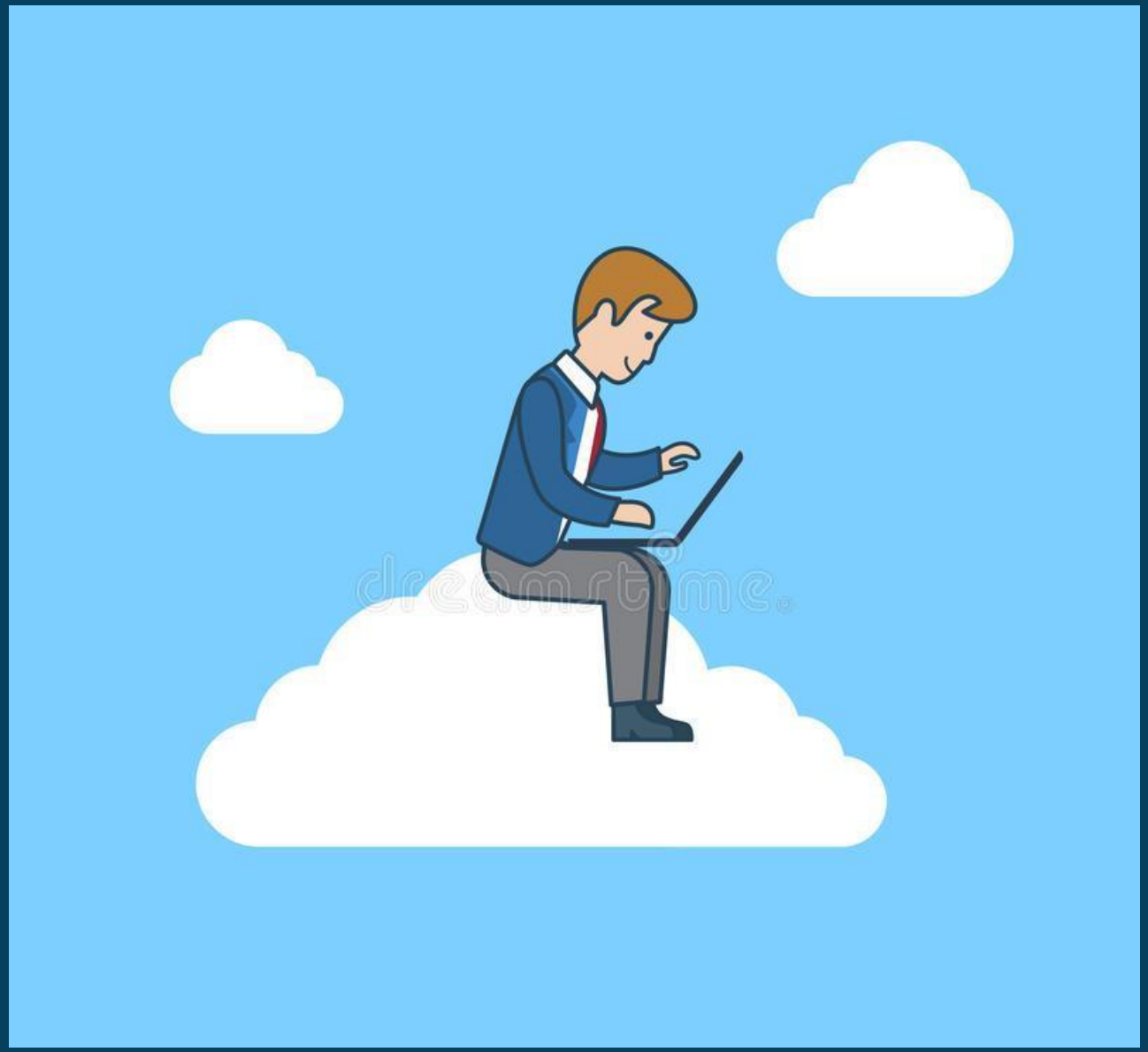
- Elastic resources — Scale up or down quickly and easily to meet demand
- Metered service - so you only pay for what you use
- Self service — All the IT resources you need with self-service access



History of Cloud

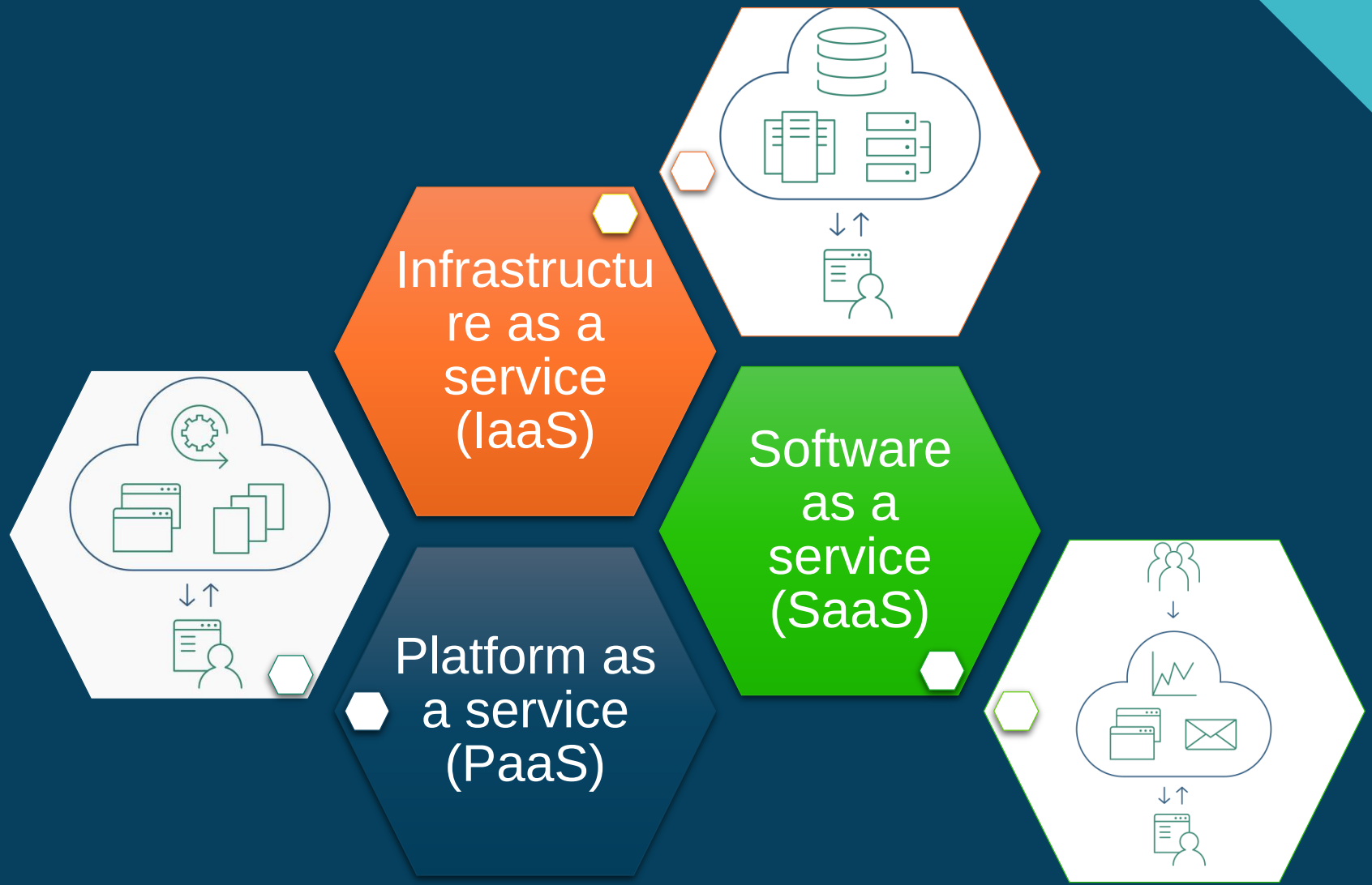
- 1961 – Professor John McCarthy proposes computing be organized as a "Public Utility"
- 1991 – The World Wide Web popularizes the internet
- 1997 – First use of the term "Cloud Computing"
- 1999 – Salesforce.com and VMWare launch
- 2002 – Amazon Web Services (AWS) launches and SOA emerges
- 2003 – Seminal Google File System (GFS) paper published
- 2006 – Hadoop launched, shortly followed by Amazon S3 and Amazon EC2
- 2008 – Google App Engine launches
- 2009 – Microsoft Azure launches
- 2010 – GSA's apps.gov launches (and federal Cloud-first policy)


Are You
In the Cloud?



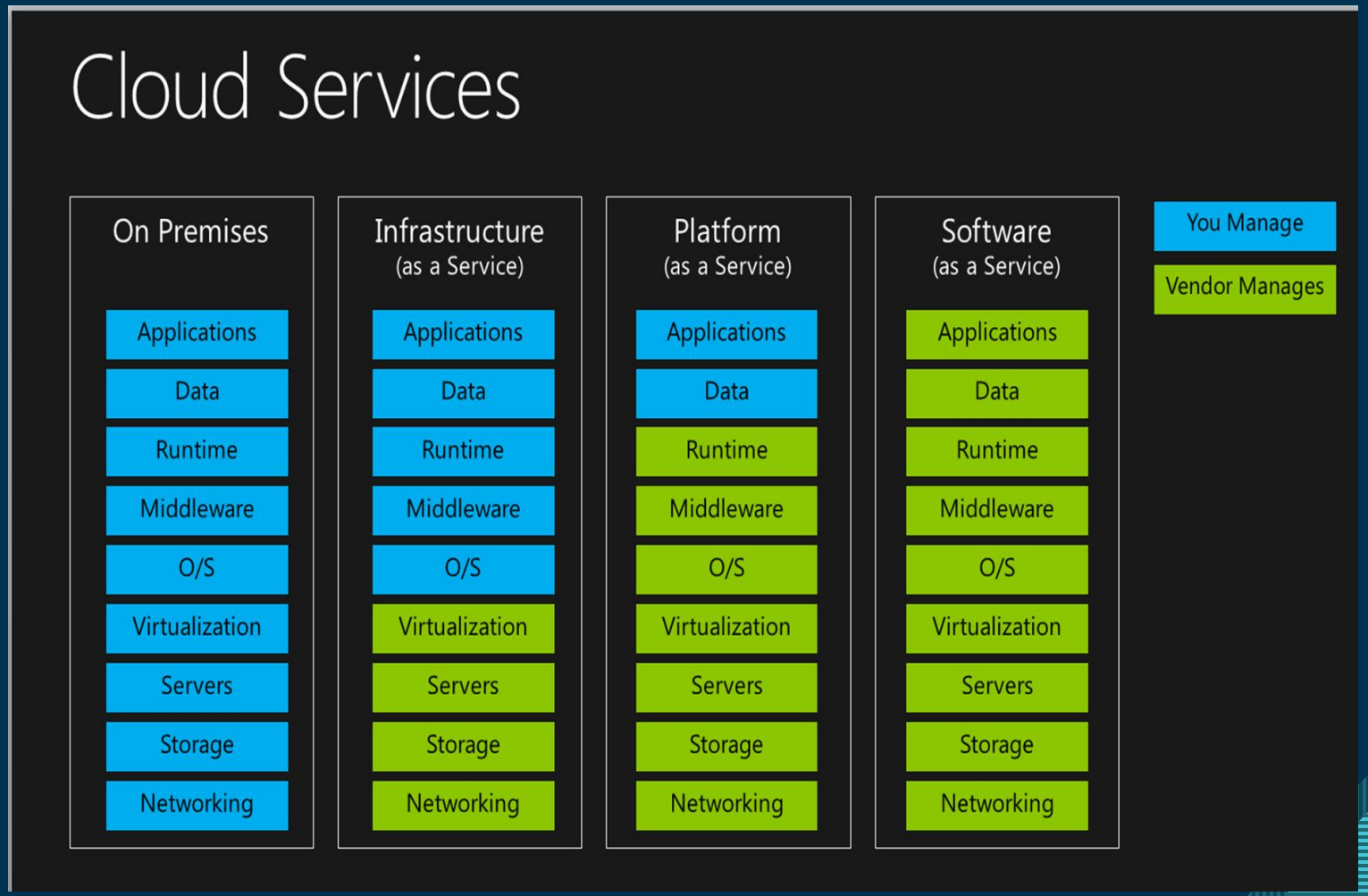
51% OF PEOPLE THINK STORMY WEATHER AFFECTS CLOUD COMPUTING.

Types of Cloud Services :

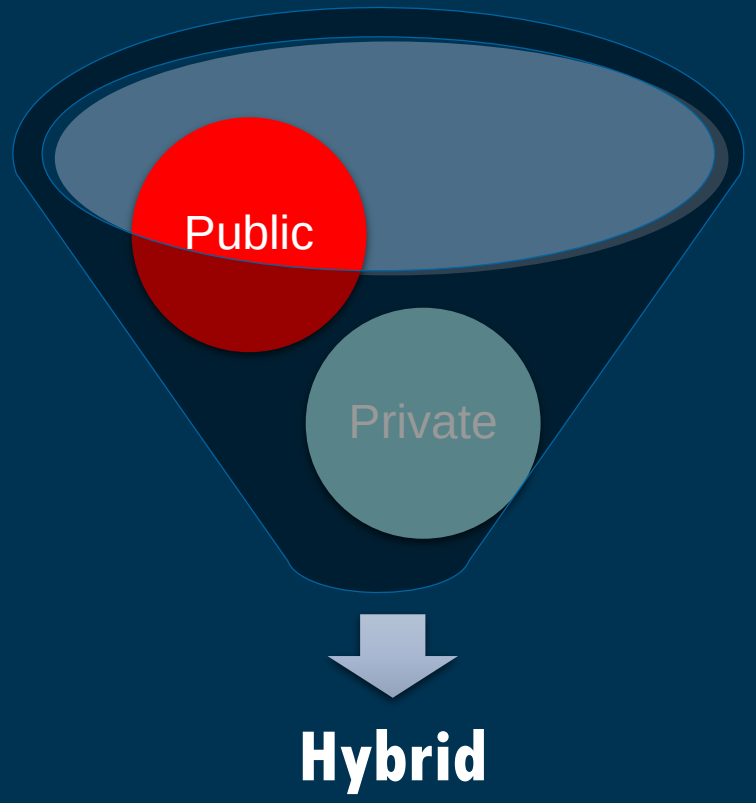


Details of Cloud Services :

- **IAAS** is an instant computing infrastructure, provisioned and managed over the Internet and you pay only for what you use.
- **SAAS** provides software. It is a program available within the Cloud, rather than a computer's hard drive it's the most developed and largest one.
- **PASS** is a model in which a third party provider hosts application development platforms and tools on its own infrastructure .



Types of Cloud Deployments :



Public Cloud :

Public clouds are owned and operated by companies that offer rapid access over a public network to affordable computing resources. With public cloud services, hardware, software, or supporting infrastructure are owned and managed by providers.

Private Cloud :

A private cloud refers to cloud computing resources used exclusively by a single business or organization. A private cloud can be physically located on the company's on-site datacenter. A private cloud is one in which the services and infrastructure are maintained on a private network.

Hybrid Cloud :

Hybrid clouds combine public and private clouds, bound together by technology that allows data and applications to be shared between them.

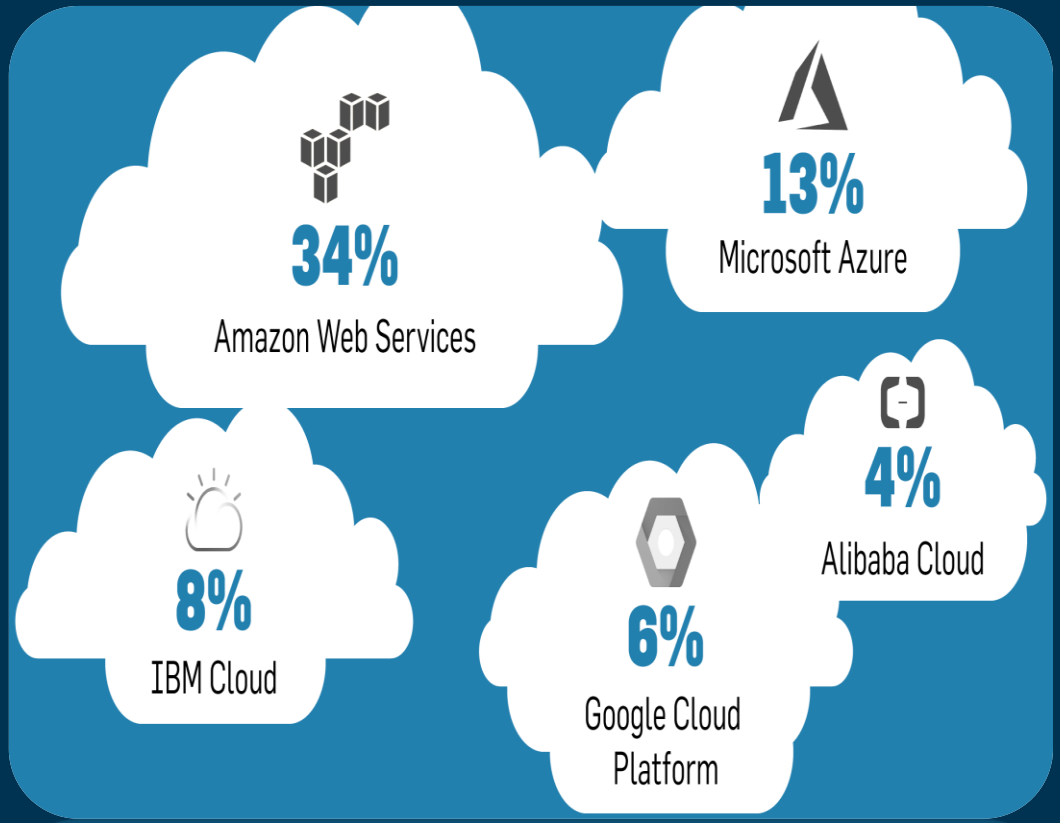
Security & Privacy :

- Communications and data Encryption
- Spam and Virus filtering
- Monitored Anti-Virus
- Active Cyber Security
- Monitoring 24/7
- Data Security

Cloud Providers :

Companies offering these computing services are called cloud providers -

- Amazon
- Google
- Microsoft
- IBM
- Oracle
- Alibaba

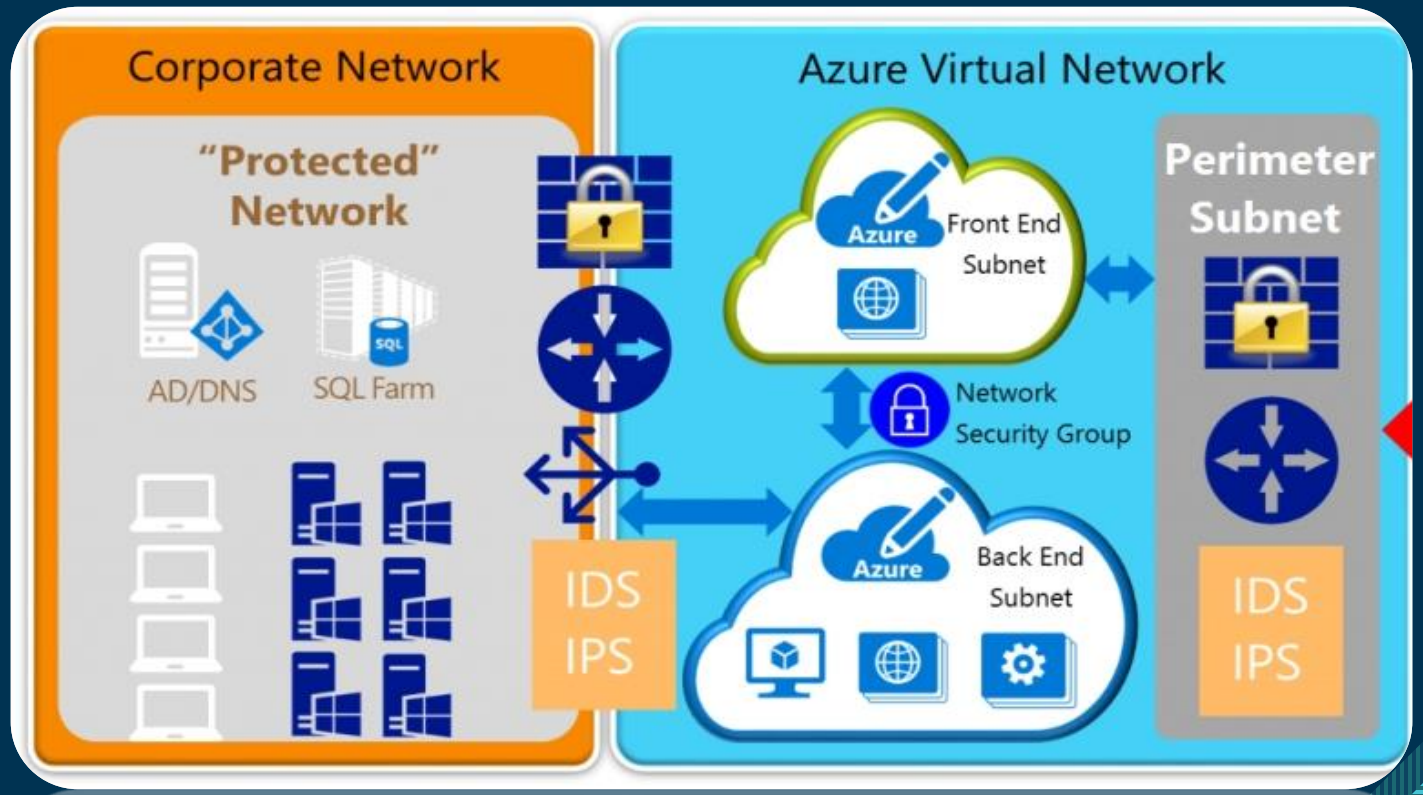


Amazon Cloud Drive :

1. A suite of cloud based infrastructure services
2. Provides unlimited storage for files; photos & videos with prime
3. Continues to add thousands of new services & features
4. Globally recognized & superior to every other cloud providers
5. Excellent data centre & network security

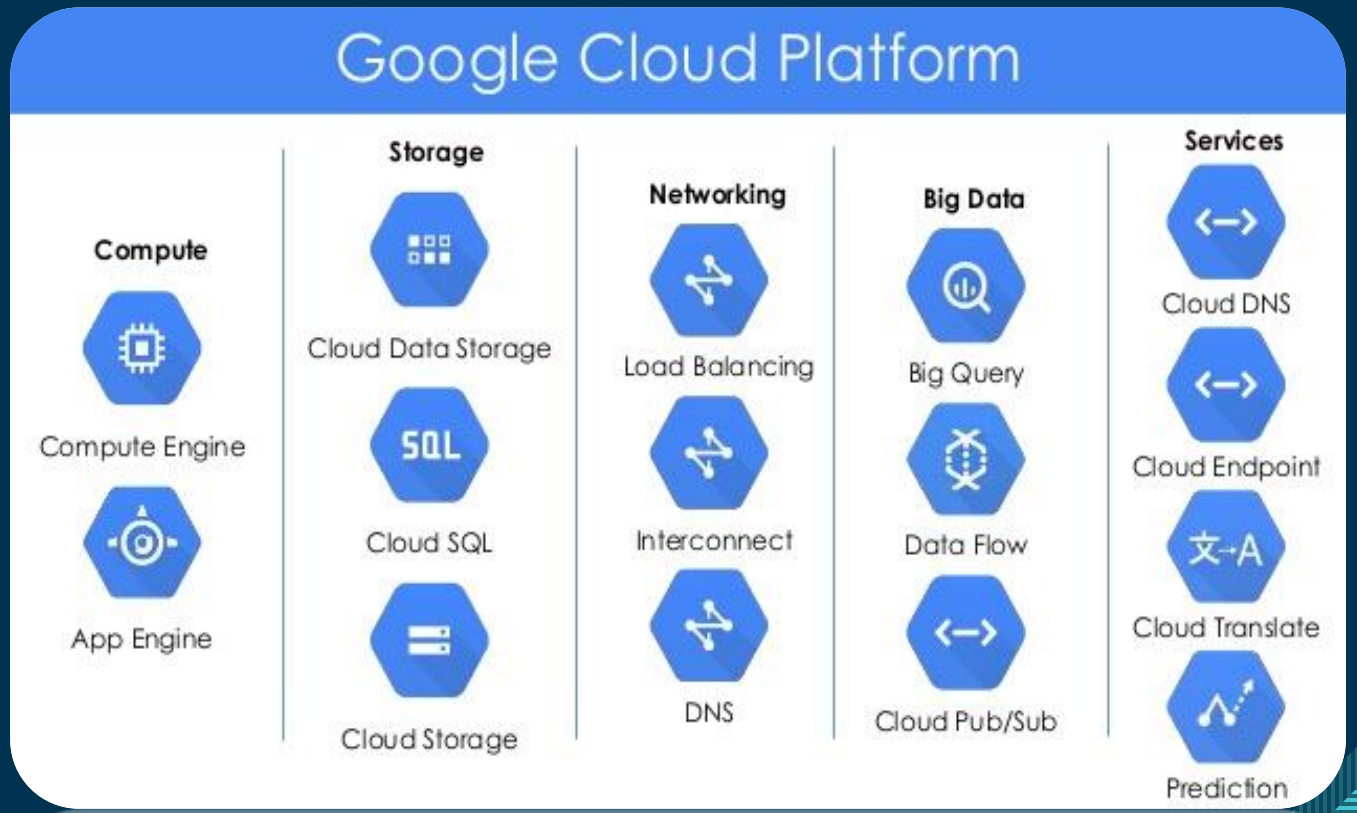
MICROSOFT AZURE :

1. A platform of a collection of various cloud computing services
2. Brought the innovation of cloud computing to build & deploy hybrid cloud applications
3. Ease of transition for organizations looking to migrate from other Microsoft products
4. Has a wider reach in developing markets compared to AWS & Google Cloud Services
5. Billing structure is based on resource consumption not reserved capacity

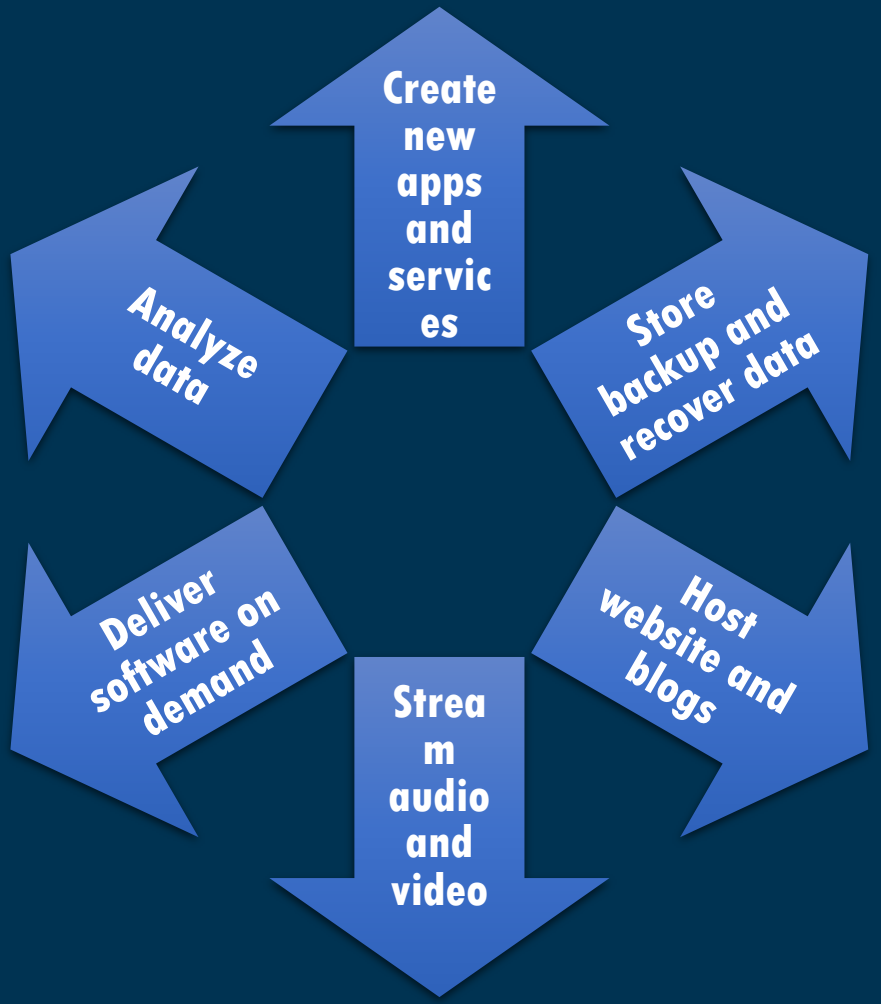


Google Cloud :

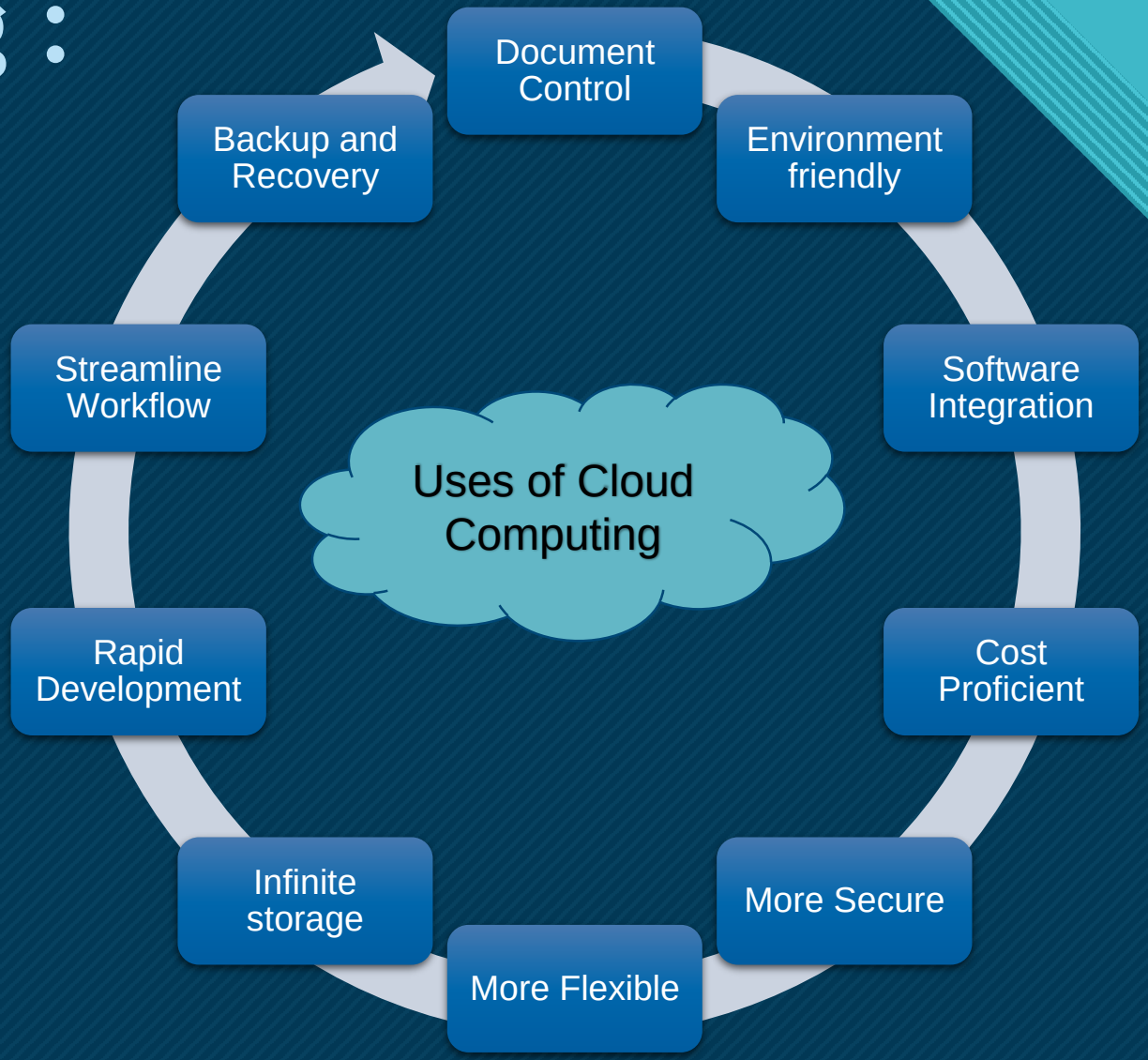
1. A web service for storing and accessing data on Google Cloud Platform infrastructure
2. Suitable for companies that need to access data frequently
3. Provides a resumable data transfer feature
4. Interoperable with other cloud storage tools that work with services such as Amazon S3
5. Stores data regionally which reduce network charges



Uses of Cloud Computing :



Advantages of Cloud Computing :



Drawbacks :

- Down time
- Security & Privacy
- Vulnerability to attack
- Limited control & Flexibility
- Vendor Lock-in
- Costs

Cloud is about how you do computing,
not where you do computing.

- PAUL MARITZ,CEO of VMware -

Any Questions?

Be On Cloud

Be On Cloud 9

Thank You.