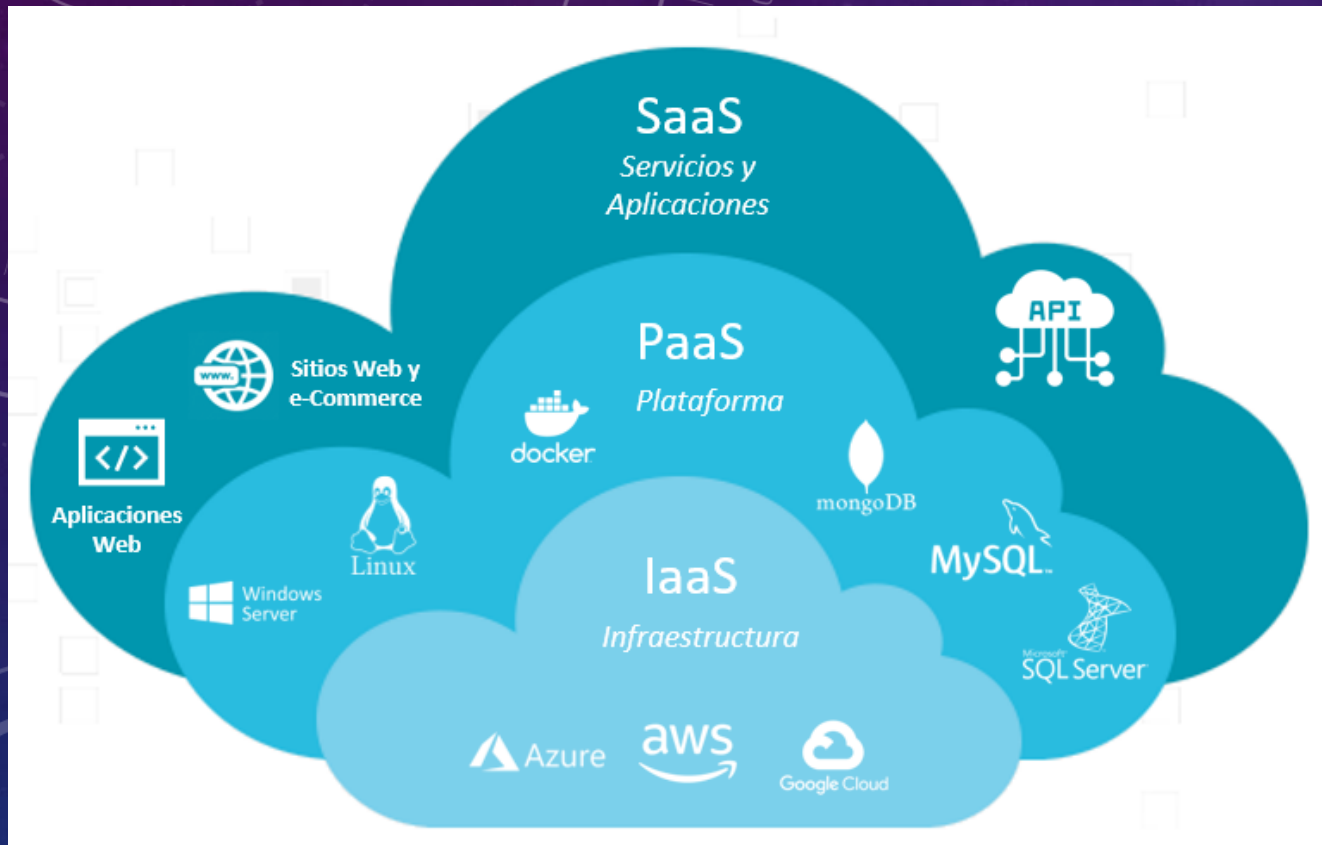# CLOUD SERVICE MODELS BY THE BIG THREE — AWS, AZURE AND GCP

**MADE BY –**

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# INTRODUCTION

- There are three types of Cloud Computing Services being offered – SaaS, IaaS, PaaS.

- Many companies offer these services but Amazon's AWS, Google's GCP and Microsoft's Azure are the most popular.

- Clients avail these services from Cloud Providers which reduces their CapEx and offers flexibility and scalability on the go.
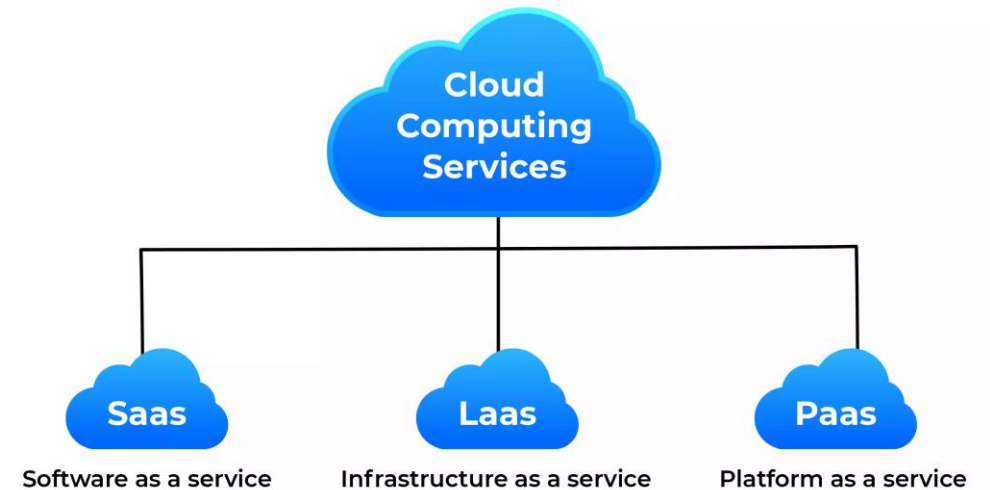
# SOFTWARE AS A SERVICE - SAAS

• Software as a service (SaaS) is a software licensing model that allows access to software on a subscription basis using external servers.

• SaaS allows each user to access programs via the Internet rather than having to install the software on the user's computer.

• Software as a service has many business applications including file sharing, email, calendars, customer retention management, and human resources.



Software as a Service (SaaS)

[ˈsɔft-ˌwer əz, ˈā ˈsər-vəs]

Providing subscribing users with access to a program via the internet.

Investopedia

# SAAS OFFERINGS BY THE BIG THREE

○ **Google Cloud Platform (GCP):**

   Provides SaaS options like Google Workspace (formerly G Suite) for email, documents, and collaboration tools, Google Cloud BigQuery for data warehousing, and AI/ML services like Vertex AI.

○ **Amazon Web Services (AWS):**

   Offers a wide range of SaaS solutions including Amazon QuickSight for data visualization, Amazon Connect for customer contact centres, and Amazon WorkSpaces for virtual desktops.
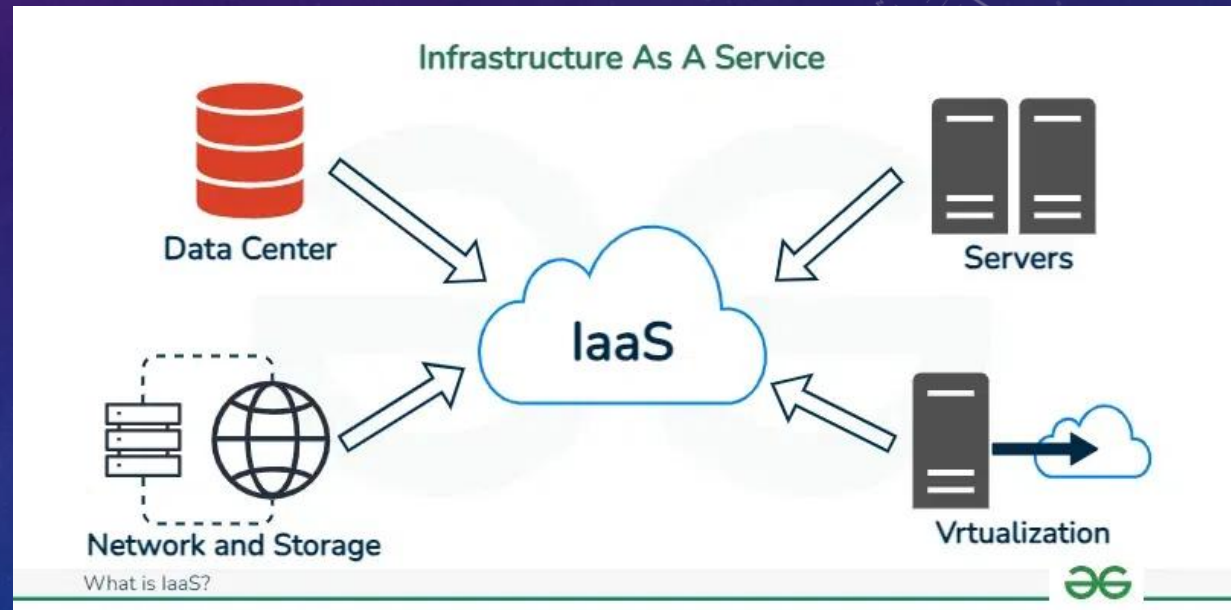
○ **Microsoft Azure:**

   Includes SaaS offerings like Microsoft 365 (including Office applications), Dynamics 365 for CRM, and Azure Active Directory for identity management, leveraging its existing Microsoft product suite.

# INFRASTRUCTURE AS A SERVICE - IAAS

- Infrastructure as a Service (IaaS) is a cloud computing model that gives virtualized computing resources over the web.

- with IaaS, associations can get to and manage versatile infrastructure assets like virtual machines, storage, and networking administration parts without the need to put resources into or keep up with actual equipment
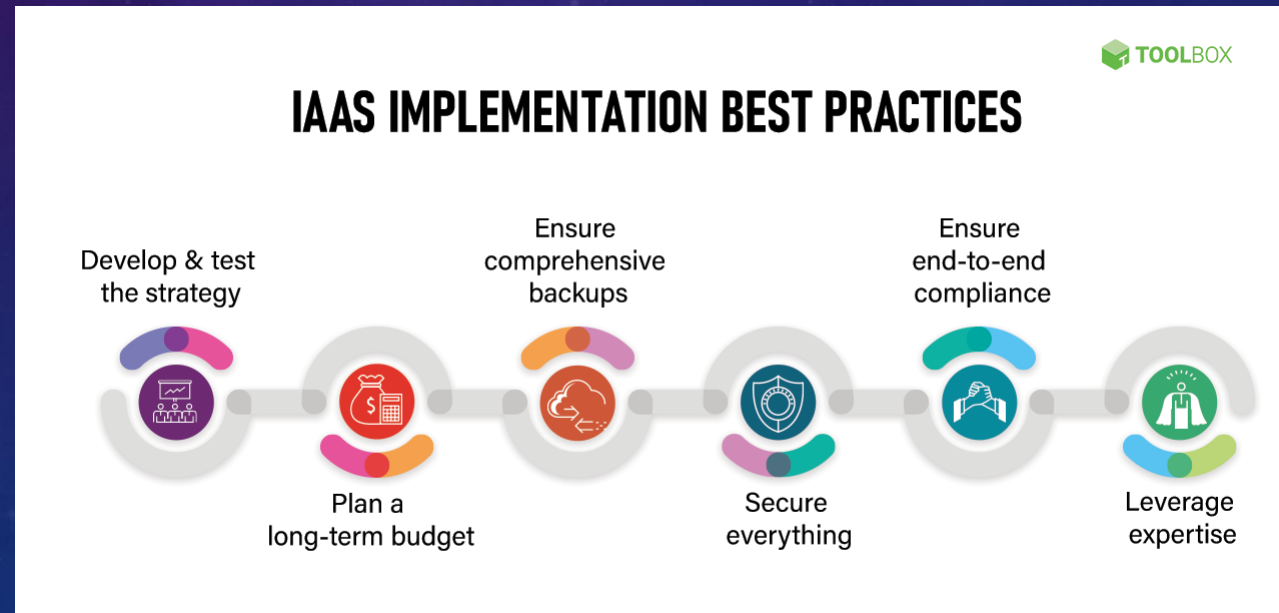
# IAAS OFFERINGS BY THE BIG THREE

## AWS

- Amazon S3

- Amazon Elastic Block Store

- Amazon Elastic File System

- Amazon FSx

## GCP

- Google Cloud Storage

- Google Cloud Filestore

- Google Persistent Disk

## Microsoft Azure

- Azure Disk Storage

- Azure File Storage

- Azure Blob Storage



TOOLBOX

IAAS IMPLEMENTATION BEST PRACTICES

Develop & test the strategy

Plan a long-term budget

Ensure comprehensive backups

Secure everything

Ensure end-to-end compliance

Leverage expertise

# PLATFORM AS A SERVICE - PAAS

Platform as a Service (PaaS) is a cloud computing model that provides developers with a ready-to-use platform, including tools, frameworks, and infrastructure, to build, deploy, and manage applications without the burdensome costs, intricacies, and rigidity typically associated with on-premises platform establishment and maintenance.

# PAAS OFFERINGS BY THE BIG THREE

**AWS**

- AWS Cloud9

- AWS CodePipeline

- AWS CodeDeploy

- AWS Elastic Beanstalk

- AWS EKS

**GCP**

- Google App Engine

**Microsoft Azure**

- Azure Web Apps

- Azure Web App for Containers

- Azure API Apps

# CLIENTS THAT USE THEIR SERVICES

**AWS**

- Expedia

- Netflix

- Coinbase

- Formula 1

- Coca Cola

**GCP**

- Toyota

- Unilever

- Nintendo

- Spotify

- Twitter

- Paypal

**Microsoft Azure**

- HSBC

- Starbucks

- Walgreens

- 3M

- HP

- Mitsubishi Electric

- Renault

# THANK YOU