Introduction to Cloud Infrastructure

American Tamil Media Academy





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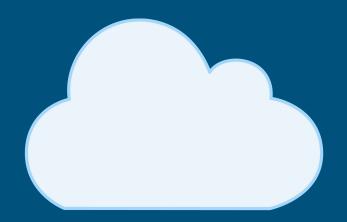
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About

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What is **Cloud Computing?**





How big is **Cloud?**

Table 1. Worldwide Public Cloud Service Revenue Forecast (Billions of U.S. Dollars)

	2018	2019	2020	2021	2022
Cloud Business Process Services (BPaaS)	4 <mark>1.7</mark>	43.7	46.9	50.2	53.8
Cloud Application Infrastructure Services (PaaS)	26.4	32.2	3 <mark>9.7</mark>	48.3	58.0
Cloud Application Services (SaaS)	85.7	99.5	116.0	133.0	15 <mark>1.1</mark>
Cloud Management and Security Services	10.5	12.0	13.8	15.7	17.6
Cloud System Infrastructure Services (IaaS)	32.4	40.3	50.0	6 <mark>1.</mark> 3	74.1
Total Market	196.7	227.8	266.4	308.5	354.6

BPaaS = business process as a service; laaS = infrastructure as a service; PaaS = platform as a

service; SaaS = software as a service

Note: Totals may not add up due to rounding.

Source: Gartner (November 2019)



Cloud Vendors







Google Cloud

Amazon Web Service

Microsoft Azure

Google Cloud





Is Cloud Secure?

Security is Shared Responsibility



Powered by Cloud Salesforce, Shutterfly, Workday, ADP,

Dropbox, Udemy, Social Media, Zoom eCommerce, Payment Solutions



Background

History

https://www.bcs.org/content-hub/history-of-the-cloud/

Blesson Varghese, Assistant Professor at Queen's University Belfast

The foundation era - 1960s

The inception - 2001-04

Future

- Hybrid Cloud
- Internet of Things (IoT)
- Edge Computing



Cloud Based Service Types

SaaS - Software as a Service PaaS - Platform as a Service IaaS - Infrastructure as a Service DBaaS - Database as a Service



Cloud Resources

Storage - Amazon S3, Google Drive Compute - EC2, Compute Engine Network - Virtual Private Cloud



Questions?

