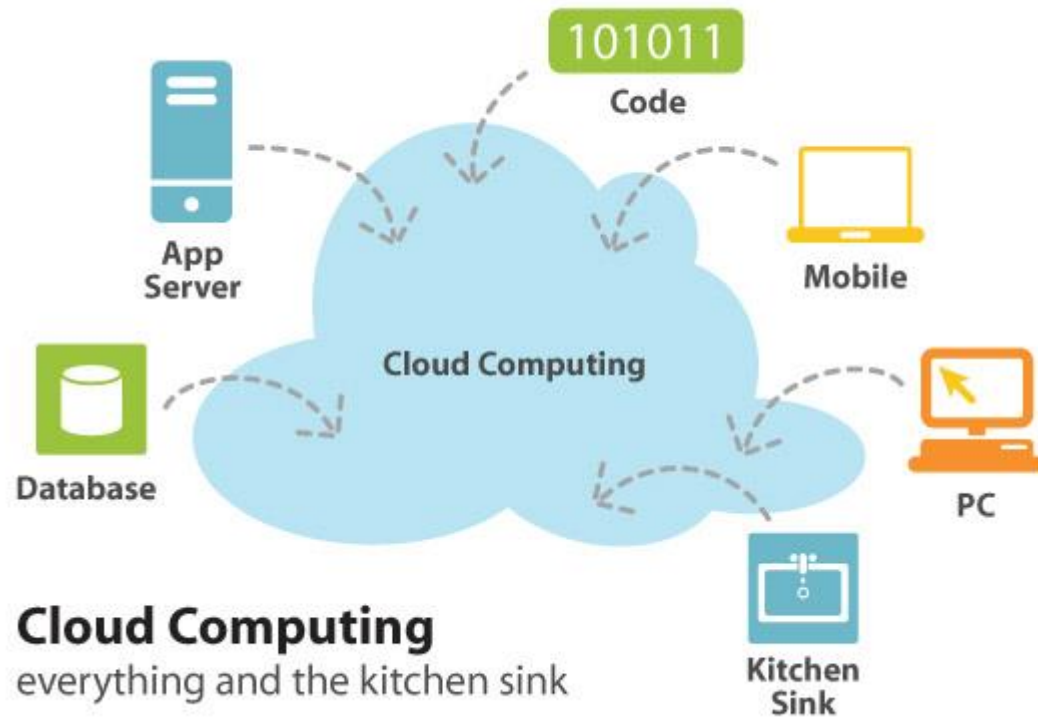


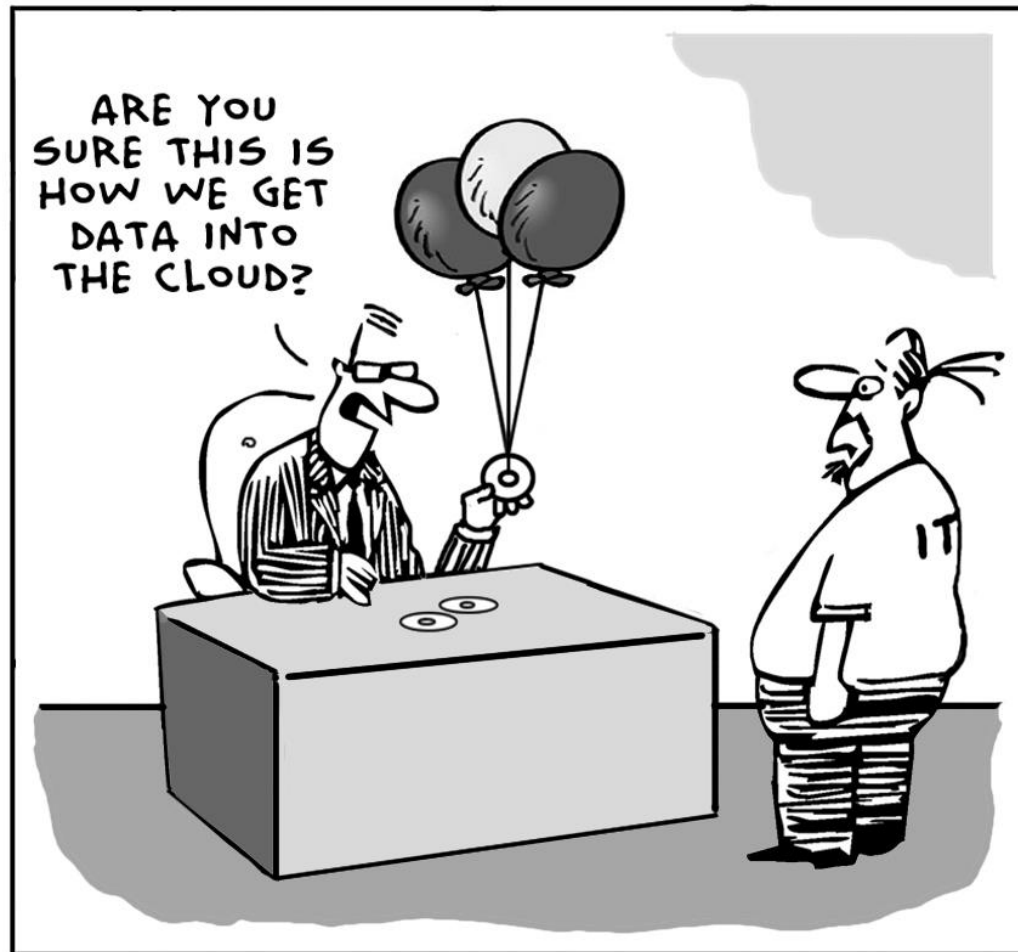
# What is Cloud Computing?



Reza Dibaj

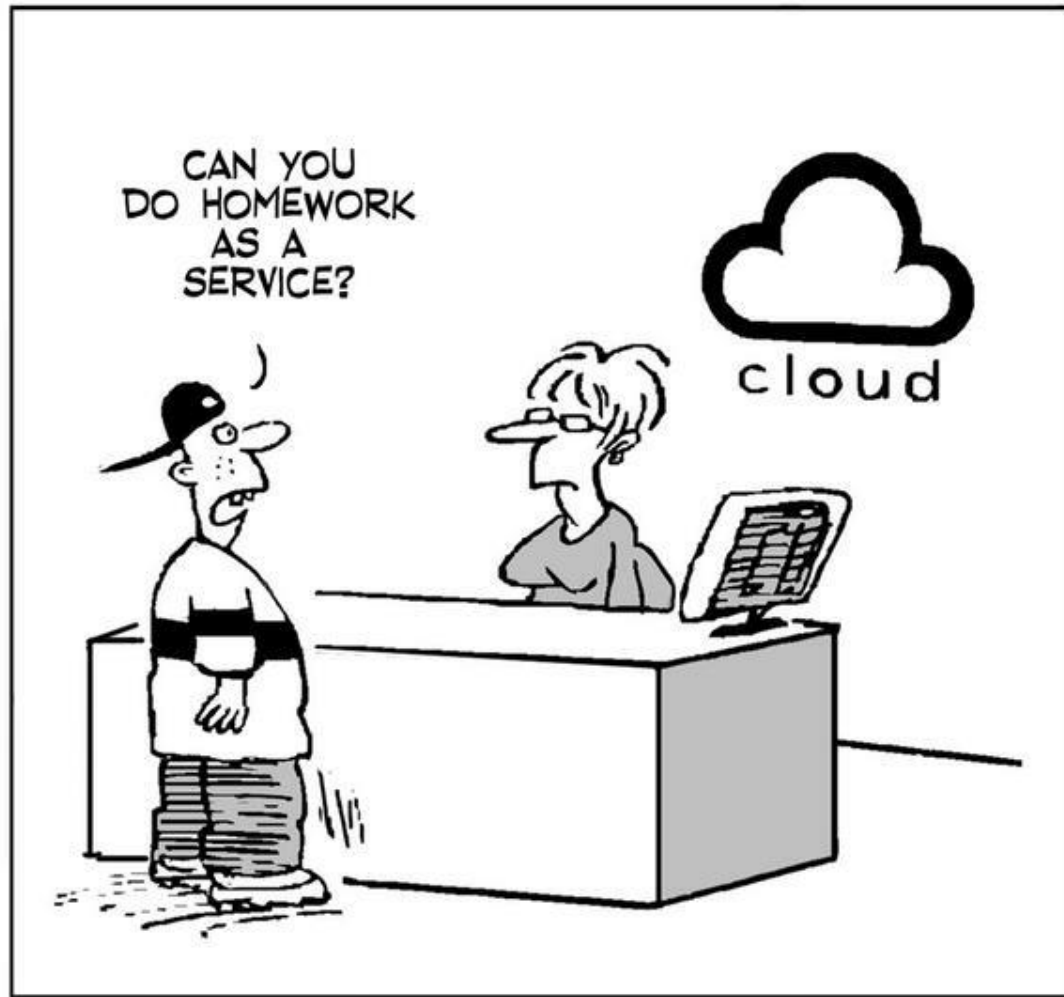
# Stereotypes of Cloud Computing






# Agenda

- What is Cloud Computing?
- Cloud Computing Building Blocks
  - SaaS (Software as a Service)
  - PaaS (Platform as a Service)
  - IaaS (Infrastructure as a Service)

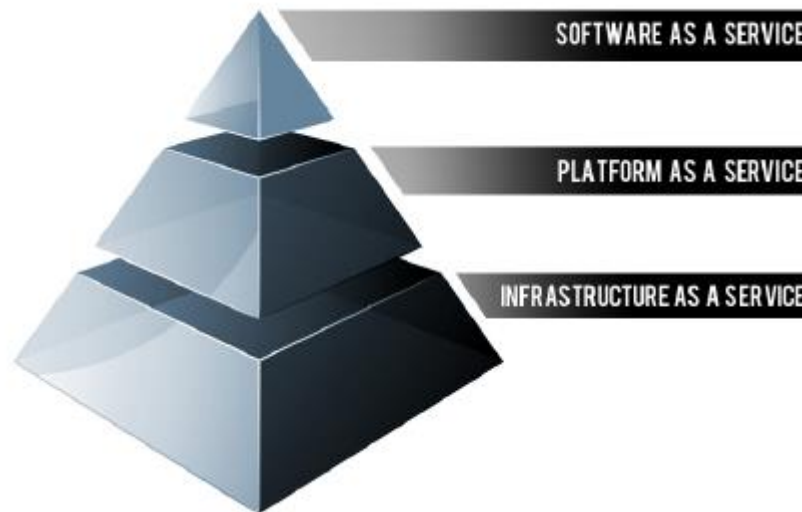


# What is Cloud Computing?

- Software applications
  - Data storage
  - Processing capacity
- 
- are all accessed over the internet.

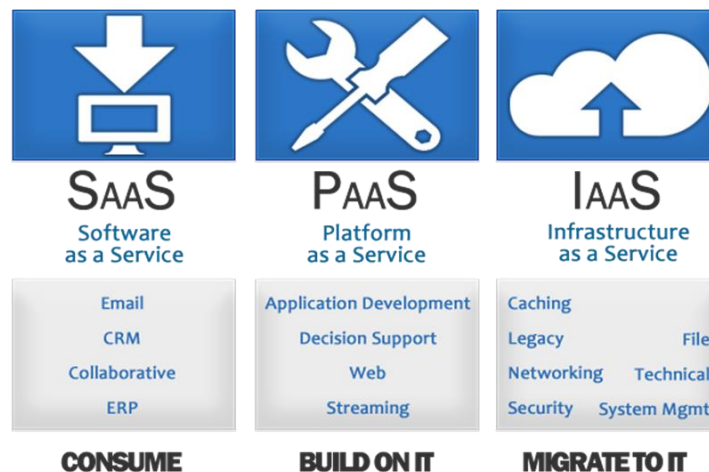
# Cloud Computing Building Blocks

- SaaS (Software as a Service)
- PaaS (Platform as a Service)
- IaaS (Infrastructure as a Service)



# Cloud Computing Building Blocks

- SaaS (Software as a Service)
  - Allows users to run existing online applications
- PaaS (Platform as a Service)
  - Allows users to create their own cloud applications using supplier-specific tools and language
- IaaS (Infrastructure as a Service)
  - Allows users to run any applications they please on cloud hardware of their own choice





# SaaS (Software as a Service)

- Run existing online applications
- The easiest way to cloud compute, and where off-the-shelf applications are accessed over the internet.
  - Google Docs
  - Microsoft Office Web Apps
  - Zoho
- SaaS Pros & Cons
  - ✓ Free or paid via subscription
  - ✓ Accessible from any computer on the internet
  - ✓ Excellent for collaborative working
  - Generic applications not always suitable for business use



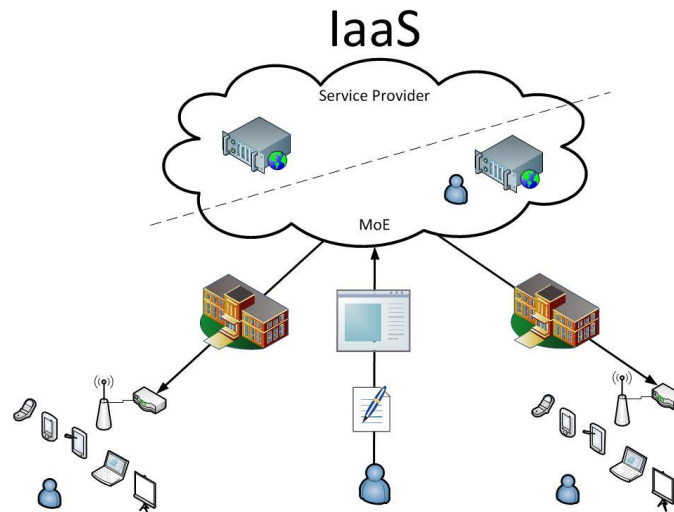
# PaaS (Platform as a Service)

- Create own cloud applications using supplier-specific tools and language
- Provides environment and set of tools for creating new online applications
  - Google App Engine
  - Microsoft Azure Platform
- PaaS Pros & Cons
  - ✓ Rapid development at low cost
  - ✓ These application are deployed privately or publicly
  - Limits developers to provides languages and tools that PaaS providers have offered
  - Risk of vendor lock-in

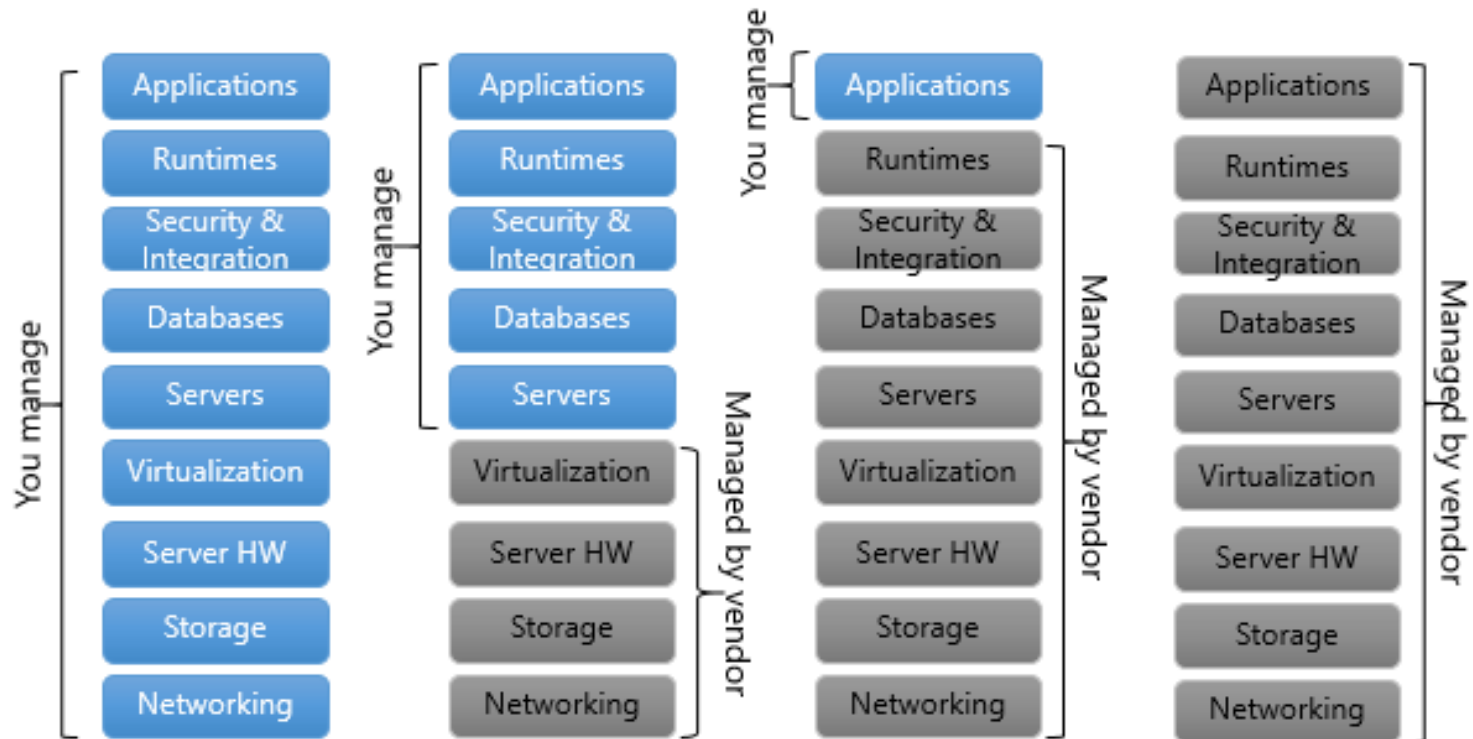


# IaaS (Infrastructure as a Service)

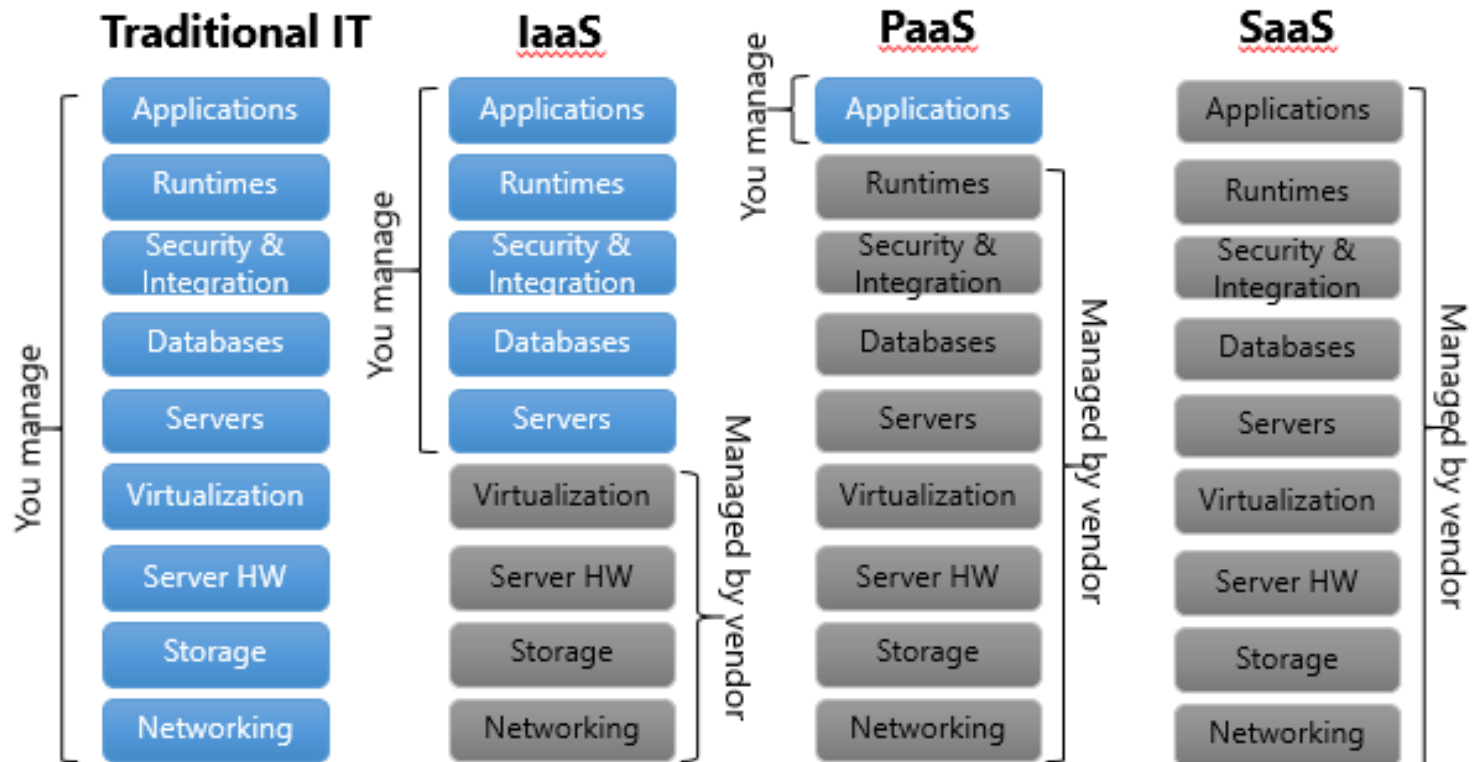
- Run any applications on cloud hardware
- Existing applications to be run on a cloud supplier's hardware
  - Allows the existing applications to be migrated from a company data centre to IaaS environment in order to reduce IT costs



# Which one is what?



# Summary



# *Thank you*



**“Cloud computing is cool technology,  
but every time it rains I lose my data!”**