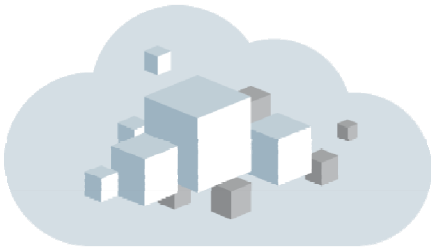
# Agenda



1. What is Cloud Computing?
2. Cloud Evolution
3. Components of Cloud Computing
4. Characteristics and Benefits of Cloud
5. Cloud Deployment Models
6. Cloud Service Models
7. Oracle Cloud Services

# What is Cloud?

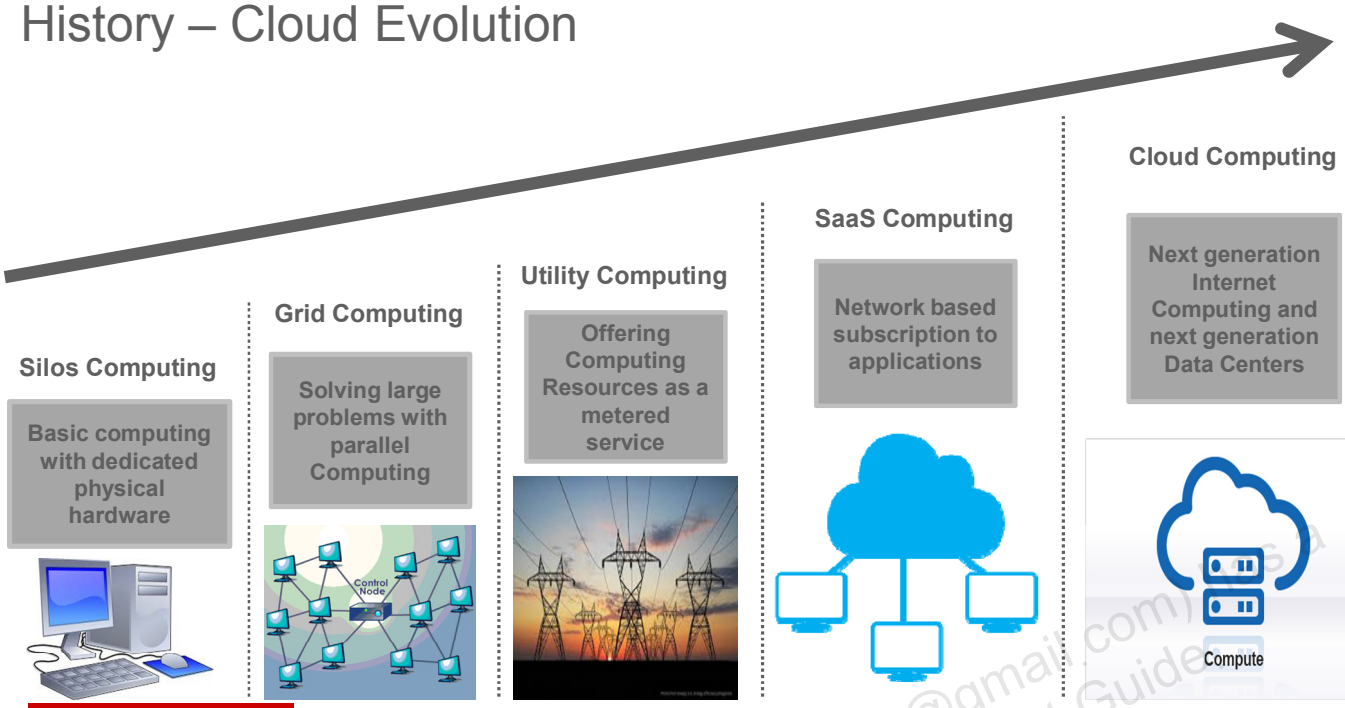
The term Cloud refers to a Network or Internet.

It is a means to access any Software that is available remotely.

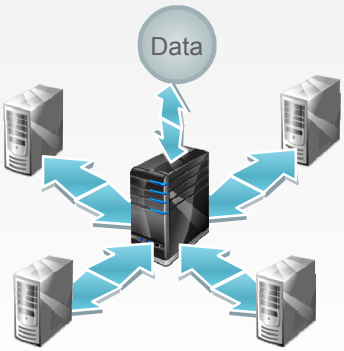
# What is Cloud Computing?

- It is a means to access any Software that is available remotely.
- Refers to the practice of using remote Servers hosted on Internet to store, manage and process data
- When you store your photos online instead of on your home computer, or use webmail or a social networking site, you are using a “cloud computing” service.

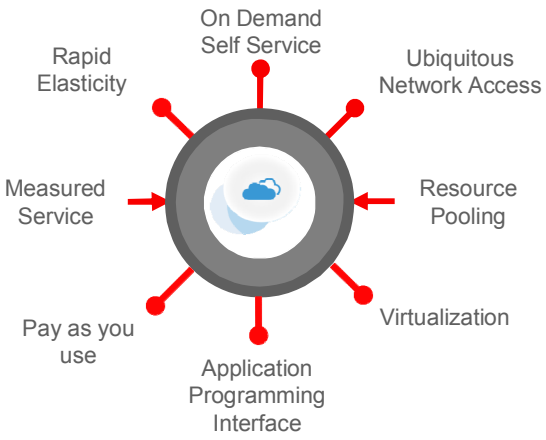
# History – Cloud Evolution



# Components of Cloud Computing

| Client Computers | Distributed Servers | Data Centers |
| --- | --- | --- |
|  |  |  |
| Devices that end user interact with cloud. Types of client Thick, Thin (Most popular), Mobile | Often Servers are in geographically different places, but server acts as if they are next to each other | Collection of servers where application is placed and is accessed via Internet |

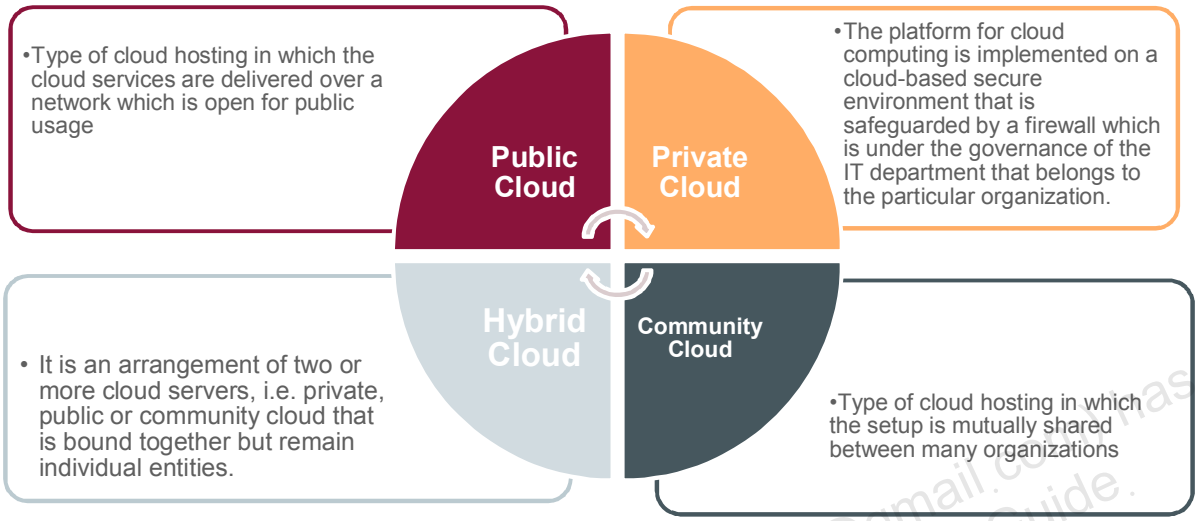
# Characteristics of Cloud




| Description |
| --- |
| ▪ Allows users to use the service on demand |
| ▪ Anywhere, Anytime and Any Device |
| ▪ Draw from a pool of computing resources, usually in remote data centers |
| ▪ Request and manage own computing resources |
| ▪ Service is measured and customers are billed accordingly |
| ▪ Select a configuration of CPU, Memory and storage |
| ▪ Services can be scaled larger or smaller |

# Cloud Deployment Models

Deployment models define the type of access to the Cloud.

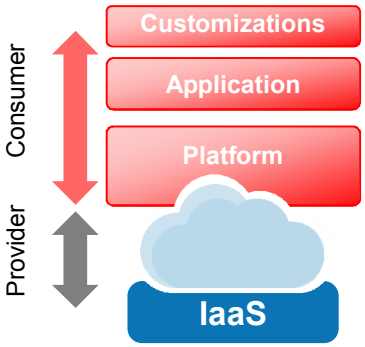


# Cloud Service Models

All three tiers of computing delivered as Service via global network

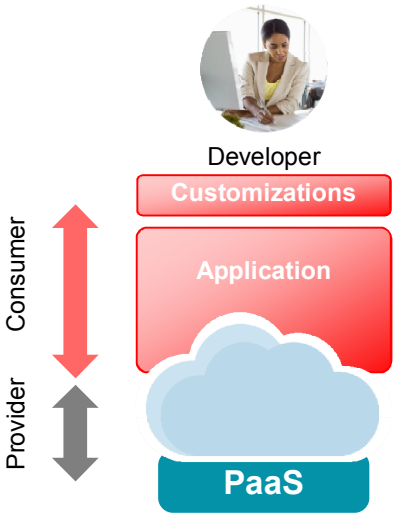
- **Applications:** Software as a Service - SaaS
- **Platform:** Database, Middleware, Analytics, Integration as a Service – Platform as a Service - PaaS
- **Infrastructure:** Storage, Compute, and Network as a service – Infrastructure as a Service - IaaS

# Cloud Service Models



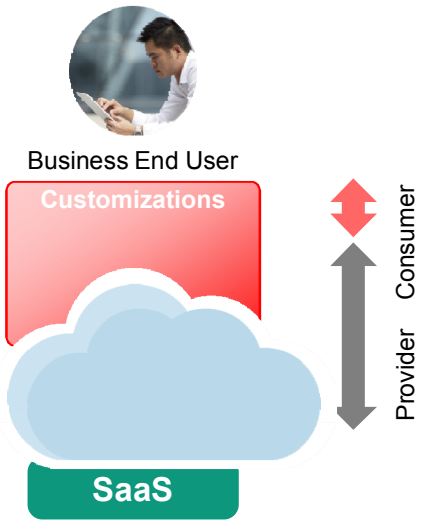

- Provides computer hardware (servers, networking technology, storage and data center space) as a web based service.
- Virtual Machines with pre-installed Operating System
- Target: Administrators
- Ready to Rent

# Cloud Service Models




- Provides platform to develop and deploy applications
- Up to Date Software
- Target: Application Developers
- Ready to Use

# Cloud Service Models




- Allows usage of the software remotely as a web based service
- Software are automatically Upgraded and Updated
- All Users are running the same version of the Software
- Target: End Users
- Ready to Wear

# Industry Shifting from On-Premises to the Cloud

Transition to the Cloud is driven by a desire for:

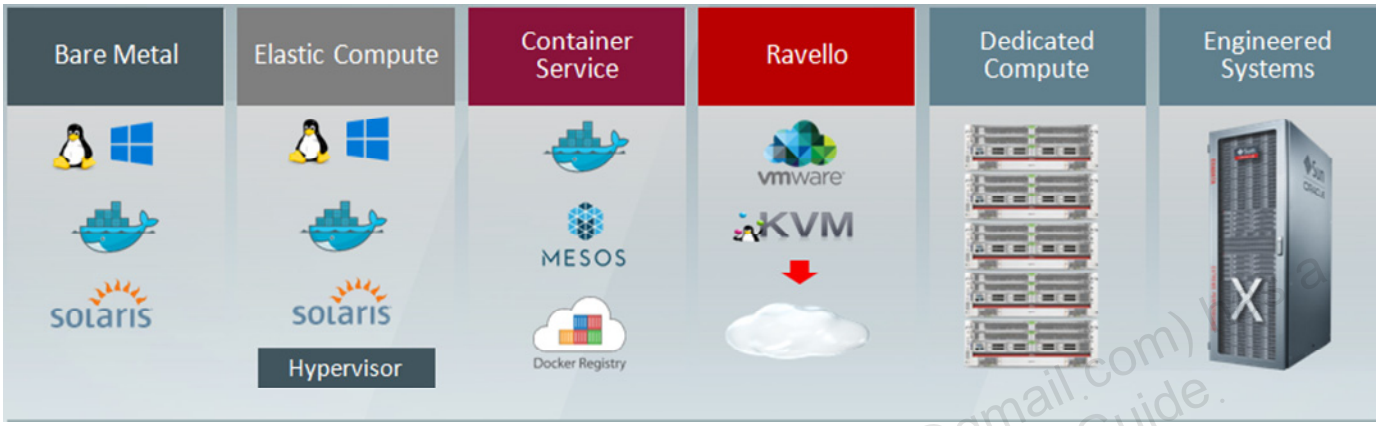
- **Agility:** Self-service provisioning – deploy a database in minutes
- **Elasticity:** Scale on demand
- **Lower cost:** Reduction in management and total cost – pay for what is used
- **Back to core business:** Focus on core activities
- **More mobility:** Access from any device

# Oracle IaaS Overview

IaaS

Designed for large enterprises, which allow them to scale up their computing, networking, and storage systems into the cloud, rather than expanding their physical infrastructure.

- Allows large businesses and organizations to run their workloads, replicate their network, and back up their data in the cloud.



# Oracle PaaS Overview

PaaS

- Develop, deploy, integrate and manage applications on cloud.
- Seamless integration across PaaS and SaaS Applications.

# Oracle SaaS Overview

SaaS

Delivers modern cloud applications that connect business processes across the enterprise.

- Only Cloud integrating ERP, HCM, EPM, SCM
- Seamless co-existence with Oracle's On-Premise Applications


ORACLE

# Summary

In this lesson, you should have:

- Got an overview of Cloud Computing, its Characteristics, History and Technology
- Understood the various components , Deployment Models and Service Models of Cloud Computing
- Understood the Oracle Cloud Services