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# Oracle Cloud

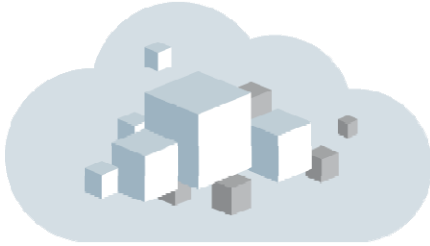
## An Overview

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# 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

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## What is Cloud?

The term Cloud refers to a Network or Internet.

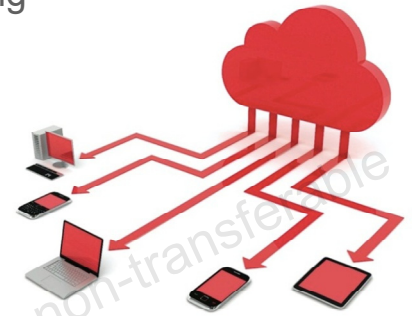
It is a means to access any Software that is available remotely.

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# What is Cloud Computing?

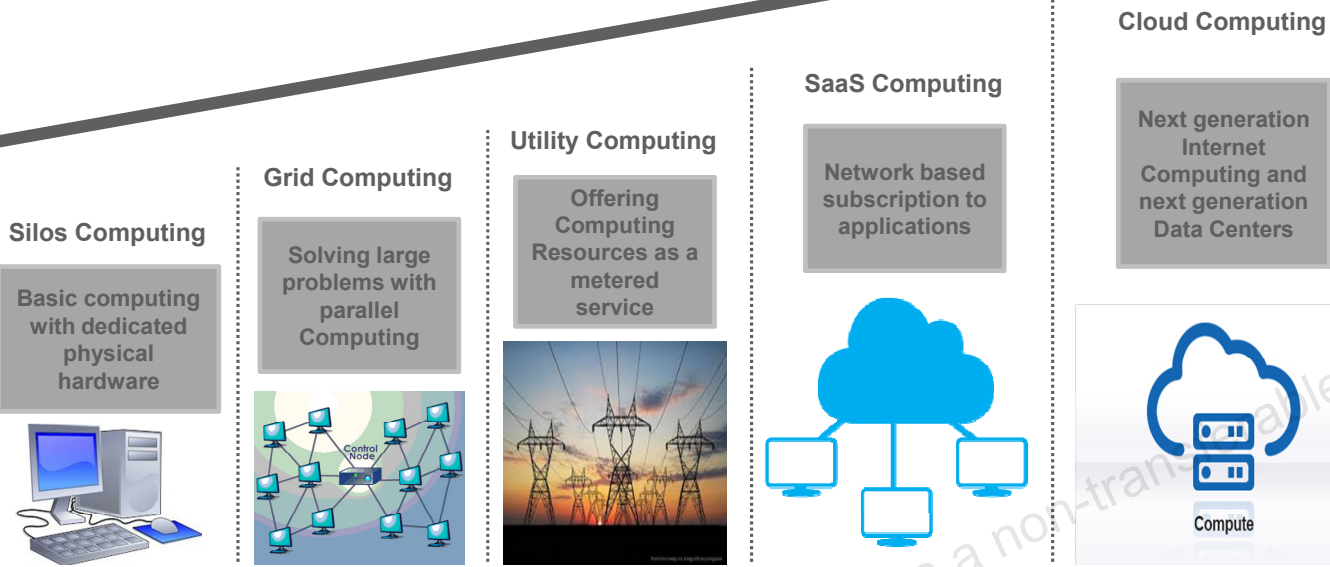
- It is a means to access any Software that is available remotely.
- Refers to the practice of using remote Servers hosted on Internet to store, manage and process data
- When you store your photos online instead of on your home computer, or use webmail or a social networking site, you are using a “cloud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



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# History – Cloud Evolution



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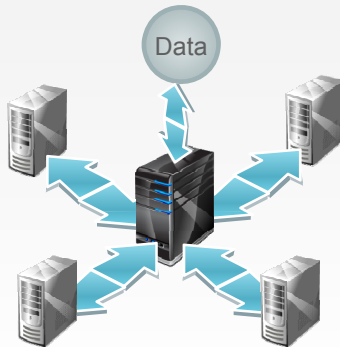
# Components of Cloud Computing

## Client Computers



Devices that end user interact with cloud. Types of client Thick, Thin (Most popular), Mobile

## Distributed Servers



Often Servers are in geographically different places, but server acts as if they are next to each other

## Data Centers

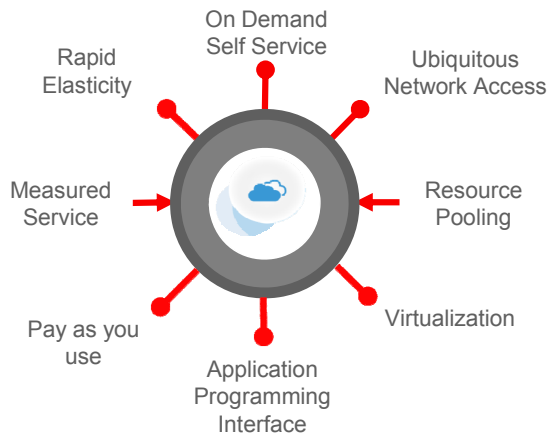


Collection of servers where application is placed and is accessed via Internet

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# Characteristics of Cloud



## Description

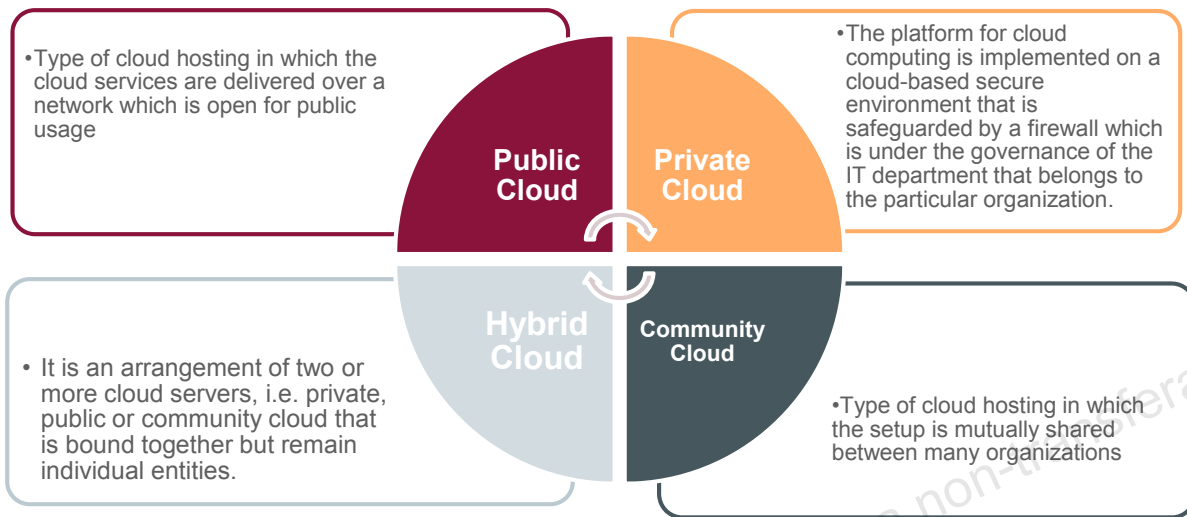
- Allows users to use the service on demand
- Anywhere, Anytime and Any Device
- Draw from a pool of computing resources, usually in remote data centers
- Request and manage own computing resources
- Service is measured and customers are billed accordingly
- Select a configuration of CPU, Memory and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

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# Cloud Deployment Models

Deployment models define the type of access to the Cloud.



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# Cloud Service Models

All three tiers of computing delivered as Service via global network

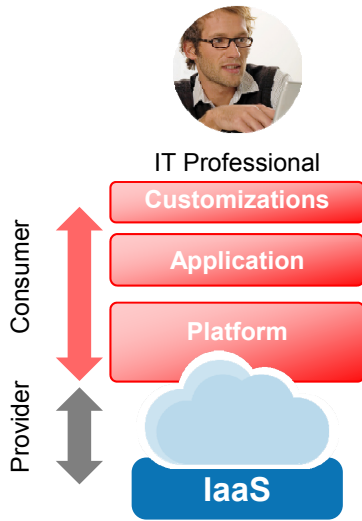
- **Applications:** Software as a Service - SaaS
- **Platform:** Database, Middleware, Analytics, Integration as a Service – Platform as a Service - PaaS
- **Infrastructure:** Storage, Compute, and Network as a service – Infrastructure as a Service - IaaS



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# Cloud Service Models

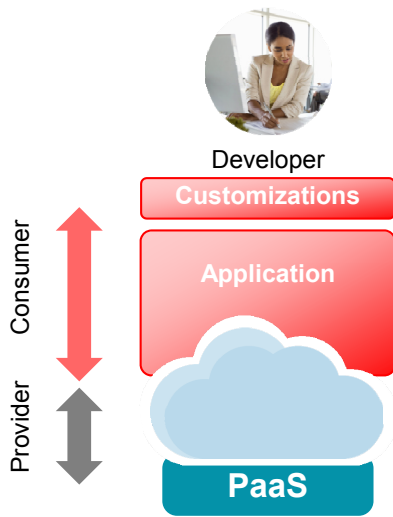


- Provides computer hardware (servers, networking technology, storage and data center space) as a web based service.
- Virtual Machines with pre-installed Operating System
- Target: Administrators
- Ready to Rent

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# Cloud Service Models

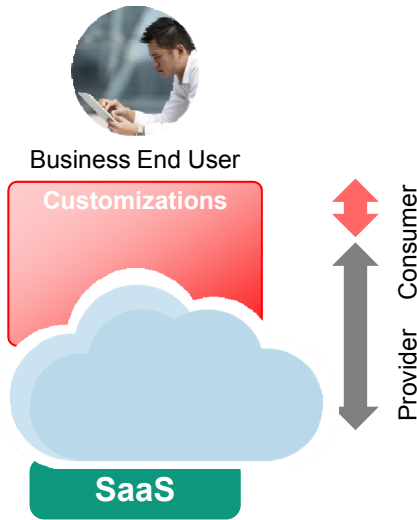


- Provides platform to develop and deploy applications
- Up to Date Software
- Target: Application Developers
- Ready to Use

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# 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

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# 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

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# ORACLE CLOUD

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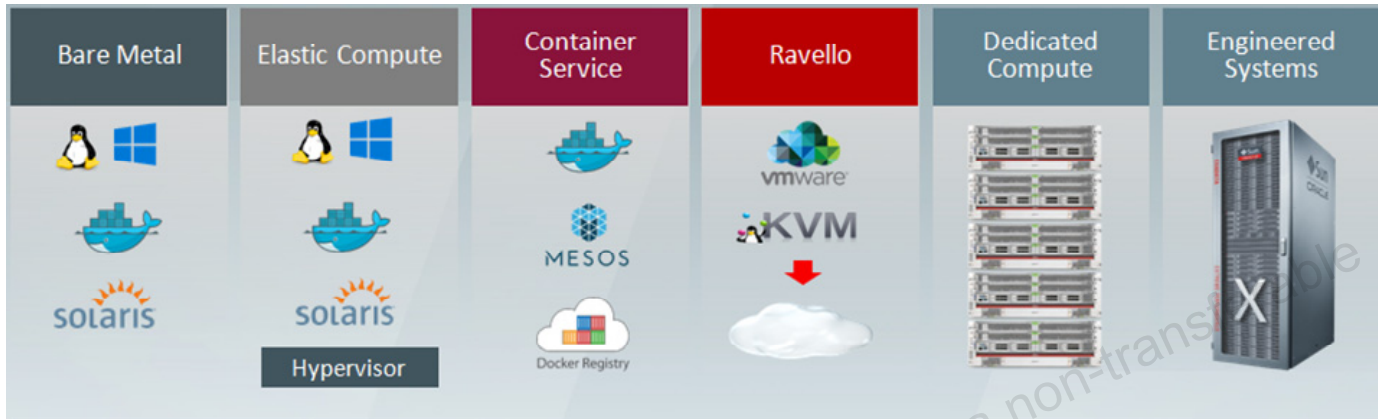
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# Oracle IaaS Overview

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.



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# Oracle PaaS Overview

PaaS

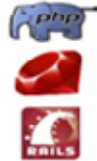
- Develop, deploy, integrate and manage applications on cloud.
- Seamless integration across PaaS and SaaS Applications.



Database Services



Java Services



Web Scripting Services



Mobile Services



Developer Services



Documents Services



Sites Services



Analytics Services

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# 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



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# 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

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