



# Oracle ERP & “The Cloud”

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- What is the Cloud?
- What options are there in the Cloud for JD Edwards / E-Business Suite Customers?



# What is the Cloud?

## Different Layers

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

## Deployment Models:

- Public Clouds
- Private Clouds
- Hybrid Clouds





# Infrastructure as a Service

## Delivers Computer Infrastructure as a Service

– CPU, Memory, Storage, Network

(Suppliers typically bill such services on a utility computing basis; the amount of resources consumed (and therefore the cost) will typically reflect the level of activity...)

**Example:** *Amazon's EC2 Cloud (Developers run test code)*



# Platform as a Service

## 1) Pure Hosted Outsource Solution

- One example of PaaS is an outsourced/hosted solution
- Hardware can be owned by the customer or the Vendor
- The “**platform**” is created, monitored and maintained by the Technology Partner.
- *PaaS falls into a grey area between IaaS and SaaS*

**Example:** Private Cloud (hosted)

## 2) Online Development Platform

- This is for Developers to easily build and test web based application

**Example:** Google’s App Engine



# Software as a Service

Also known as “on-demand software”

**Customer does not own the license**

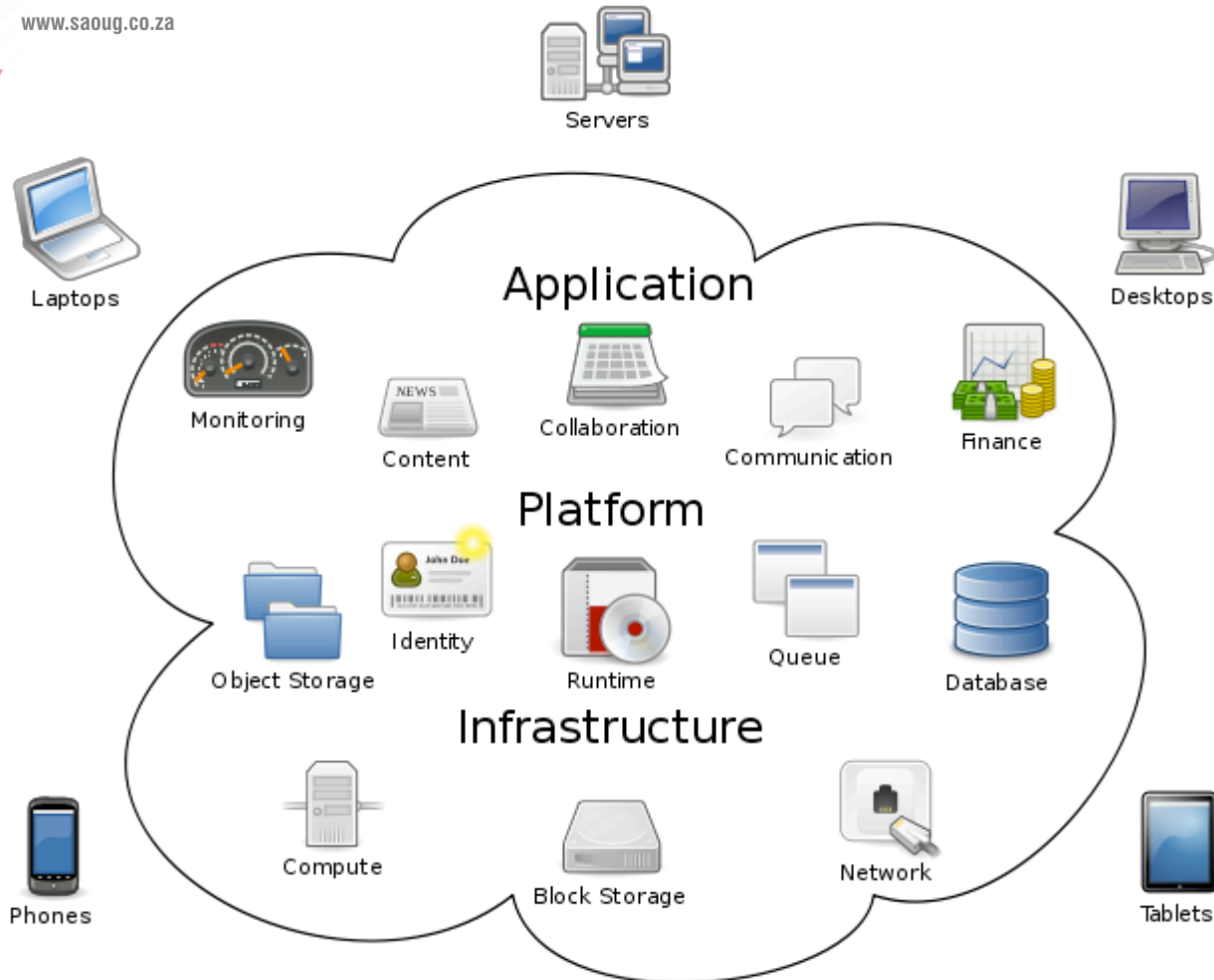
**Subscription Based Model**

- Pay per user per month (ERP/CRM solution)
- Pay per employee per month (HR solution)

**Vanilla Solution** (minimal customization)

**Example** : Google Mail (**free**) & CRM on Demand

# Overview – Cloud Layers



## Cloud Computing



# Public Cloud



- Same product catalogue for all customers globally
- Majority of Service are FREE of charge
- Enterprise Solutions : Pay per Use
- Limited Customization

**Example : GMAIL & Amazon's EC2 Cloud**



# Private Cloud

Also known as “internal cloud” or “corporate cloud”

- Infrastructure operated solely for a single organization
- Systems are managed internally or by external technology partners
- Fully customizable

**Private Cloud = Practical example of PaaS**



# Hybrid Cloud

- Combination of both Private and Public Cloud

## Example 1

Company uses Google Mail Corporate (**Public**)

And has their ERP solution hosted locally (**Private**)

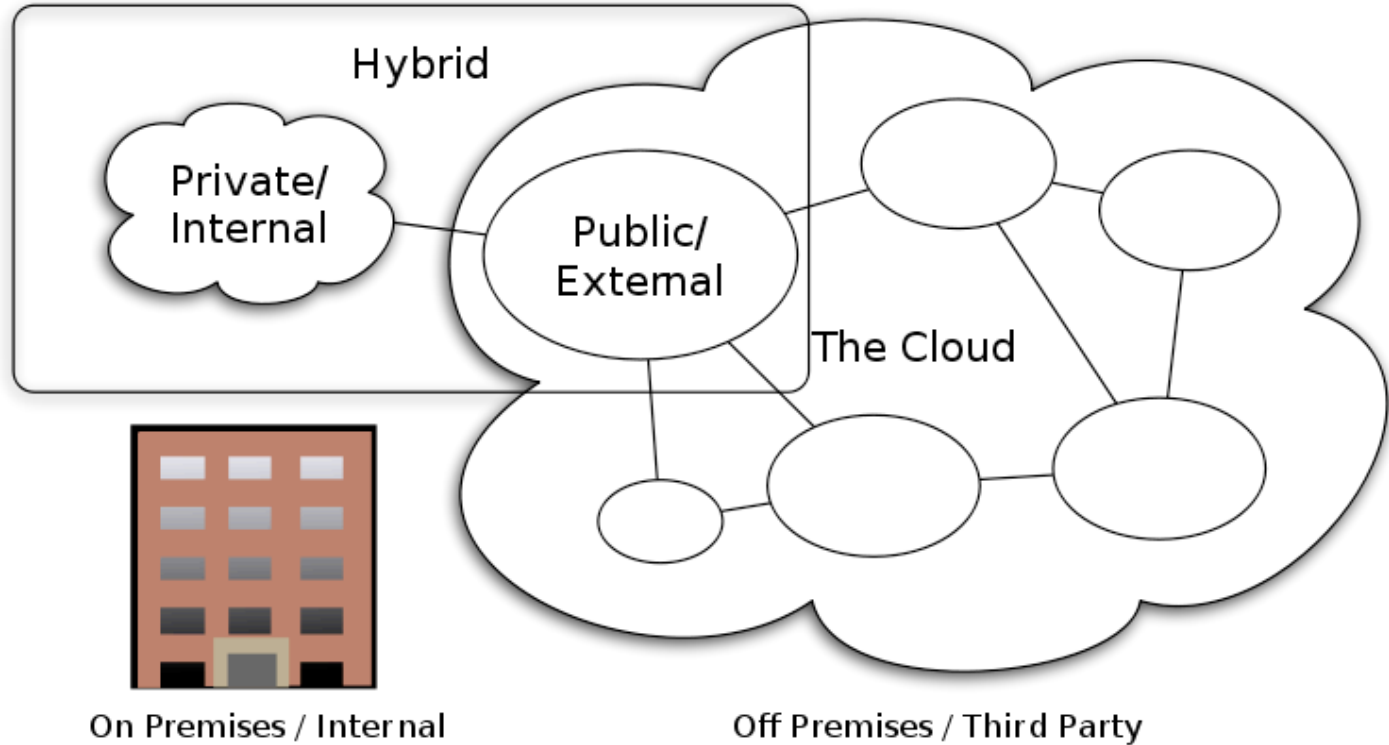
## Example 2

Company hosts their ERP solution in local Data Center (**Private**).

Makes use of Amazon's EC2 cloud to run tests on new developments (**Public**)



# Overview : Deployment



## Cloud Computing Types

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# The Cloud – Visual





# Practical Examples for Oracle ERP...

## Different Layers

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# Infrastructure as a Service

## Disaster Recovery Platform (JD Edwards / EBS)

- Run Monthly/Quarterly/Yearly DR Tests in the Cloud
- Allocate specific amount of resources to the DR solution to match existing hardware platform on-site (eliminates compatibility issues)
- Run full system Recovery in the cloud (technology partners assisting)
- Open secure connection layer to allow users to test the DR solution in the cloud while sitting in the office.
- DR Reports are signed off and ready for the auditors



# Platform as a Service

## Pure Hosted Outsource Solution

- Customers host full ERP solutions off site in data centers – these platforms are managed/monitored by the hosting/technology partner.
- Customization is possible
- The solution will form part of a Private Clouds
- Customer Data is secure
- All Oracle ERP solutions are Primarily Web Based currently users spread out across a large geographical area can access the ERP solution hosted in the cloud.

**Example : European Customer**



# Software as a Service

Also known as “on-demand software”

## JD Edwards Core Financials in the Cloud

- Target Audience : Non JDE customers looking for a powerful financial System
- This is based on a pure SaaS (subscription) model
- Core financial modules (AP, AR, FA & GL) running in the cloud
- Integration is possible with existing ERP products or other solutions currently in the cloud



# Software as a Service

Also known as “on-demand software”

**“Many JD Edwards customers today are frustrated with the fact that the HR module within JD Edwards does not meet their requirements...” – a possible solution to this problem?**

## **EBS HR & Payroll in the Cloud**

- Target Audience : Existing JDE customers looking for a powerful and integrated HR Solution
- This is based on a pure SaaS (subscription) model
- Solution = Oracle EBS HR and Payroll Modules (Vanilla)
- Integration is essential



# Summary

*What is the Cloud? This is the Cloud...*

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# Q&A