Pros & Cons of a Hybrid Cloud Model

For Oracle E-Business Suite

Ap0922, 2019

SYNTAX

ORACLE Platinum Partner

IBM Gold Business Partner

Syntax Overview












45+
Years
in Technology

35
Years Supporting
Non-Oracle Apps

31
Years Supporting
Oracle ERP

25
Years
of Hosting
















Syntax Global Capabilities

Commitment to Compliance

Commitment to Certification

ORACLE Platinum Partner

ORACLE ACE

ORACLE Certified Master

vmware

Microsoft Partner
Gold Datacenter

Privacy Shield Framework

IBM Silver Business Partner

Preet Singh

Enterprise Cloud Architect

SYNTAX

- 20+ Years of Oracle Application& Database Experience
- 10+ Years of rich experience with Fortune 50+ (Citi, Time Warner (HBO) & Sherwin)
- Director of Database Services at IT Convergence 2010-2018
- DBA Project Manager for R12.2 Beta Program & Early Adapter Program
- Executive Leader for Oracle Cloud, Database & for SOA/Middleware services
- Lead Architect for Oracle Cloud, Automation & Monitoring at Syntax

Agenda

Pros and Cons of Hybrid Cloud

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- Overview of Hybrid Cloud
- Myths of Hybrid Cloud
- Pros and Cons of Hybrid Cloud
- Hybrid Cloud for Oracle EBS
- Solution Overview and Strategies

Hybrid Cloud

Overview

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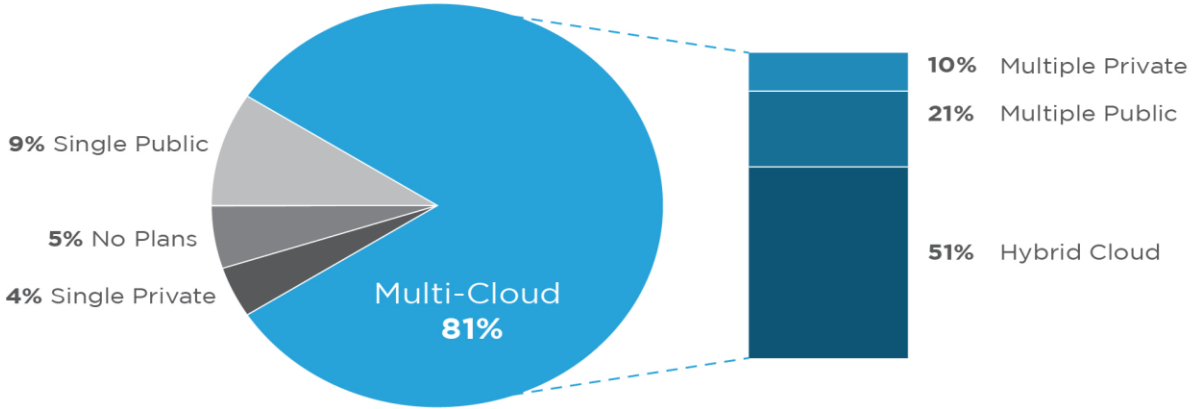
> “RightScale's data is an important indicator of cloud adoption trends, product usage, and concerns.”
>
> Forbes

Respondents with 1,000+ Employees

81% of enterprises have a multi-cloud strategy



Source: RightScale 2018 State of the Cloud Report

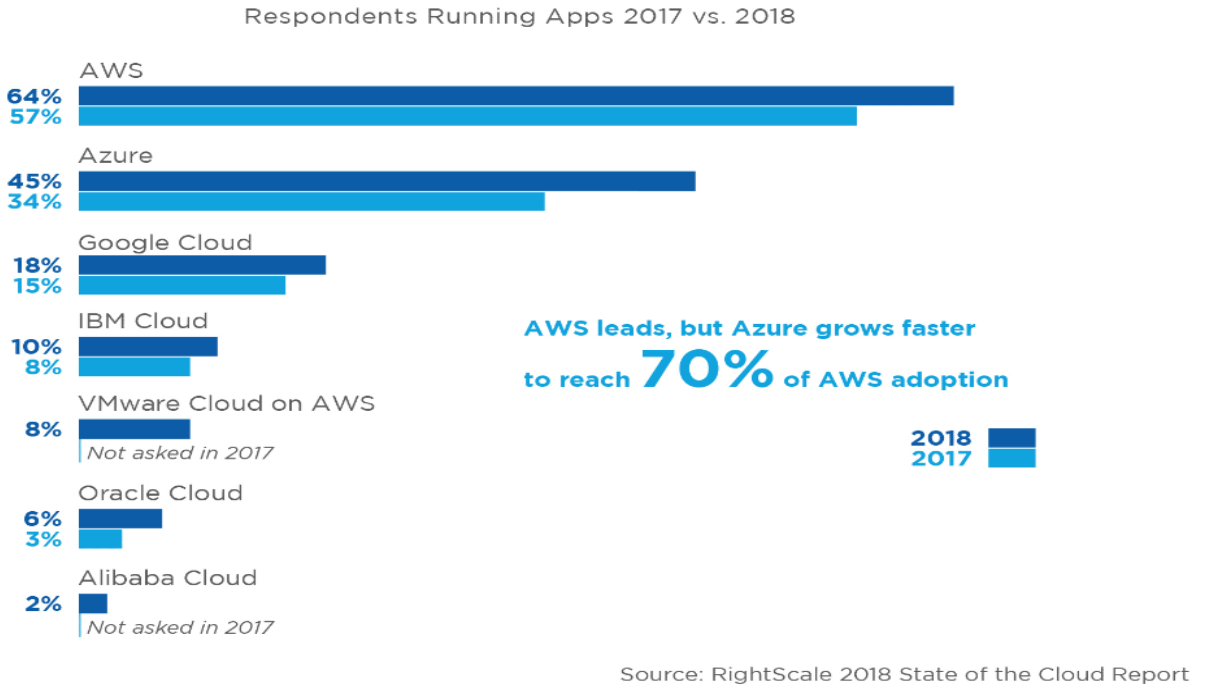
Average Number of Clouds Used

Companies using almost 5 public and private clouds on average

Public + Private Clouds Used	Average *All respondents*	Median *All respondents*
Running Applications	3.1	3.0
Experimenting	1.7	1.0
Total	**4.8**	**4.0**

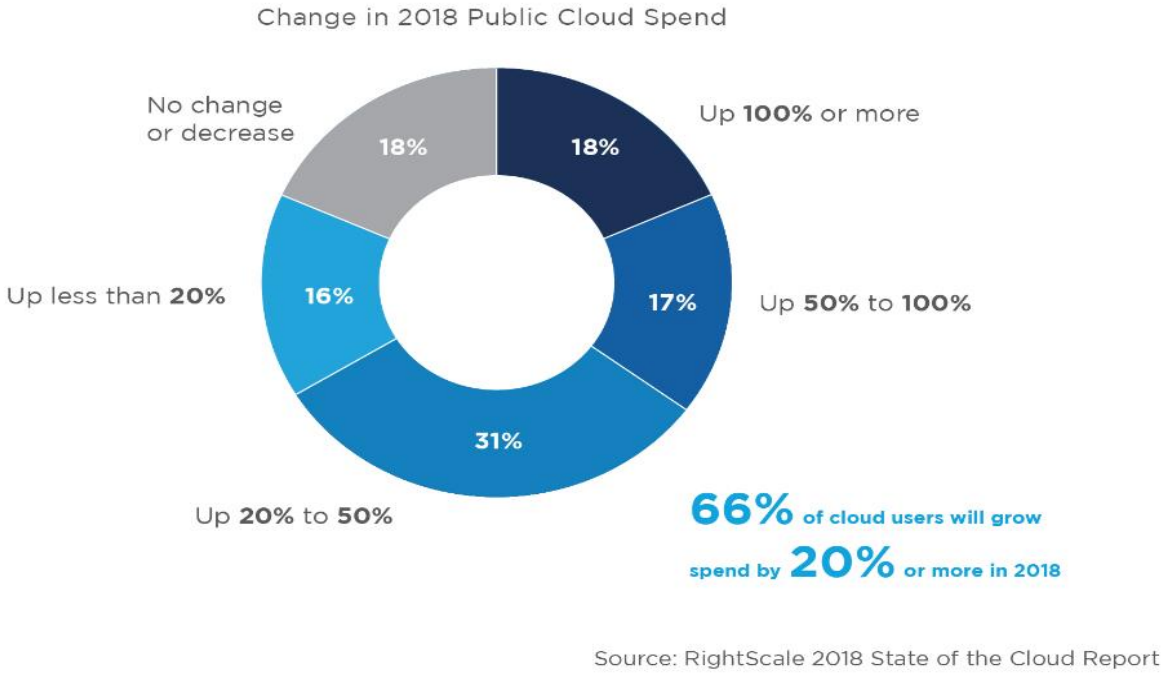
Source: RightScale 2018 State of the Cloud Report

Public Cloud Adoption Continues to Climb



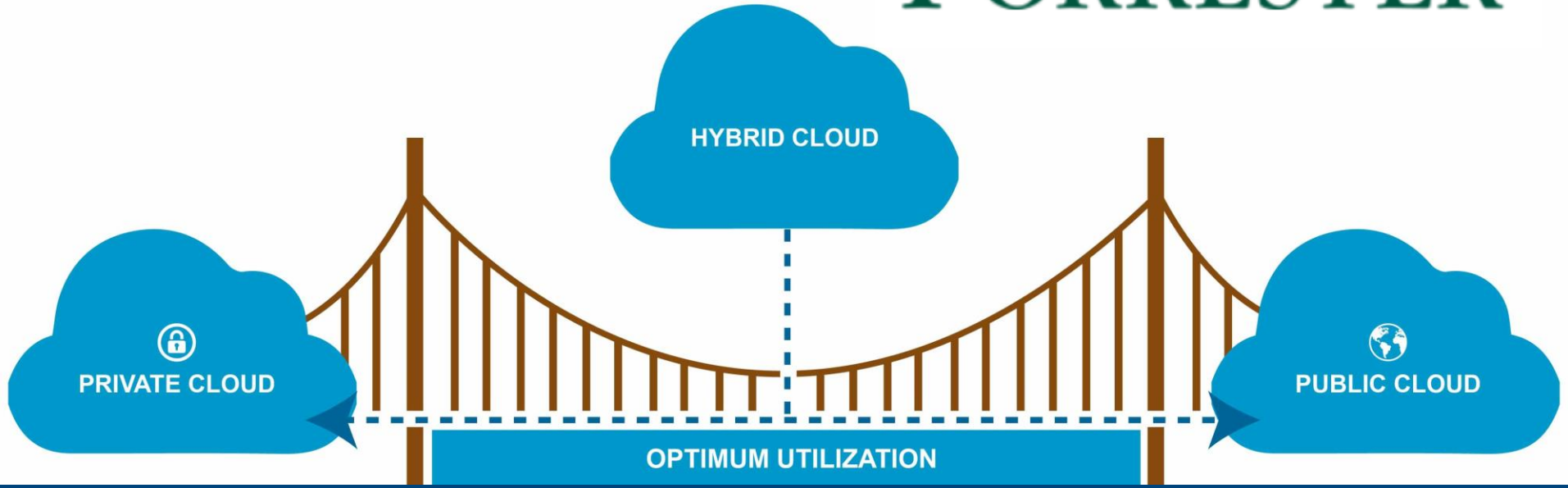
Source: RightScale 2018 State of the Cloud Report

Changes in 2018 Public Cloud Spend



“Hybrid Infrastructure Is A Strategy, Not A Solution — And It’s More Than Just Cloud.”

FORRESTER®



Common Myths of Hybrid Cloud

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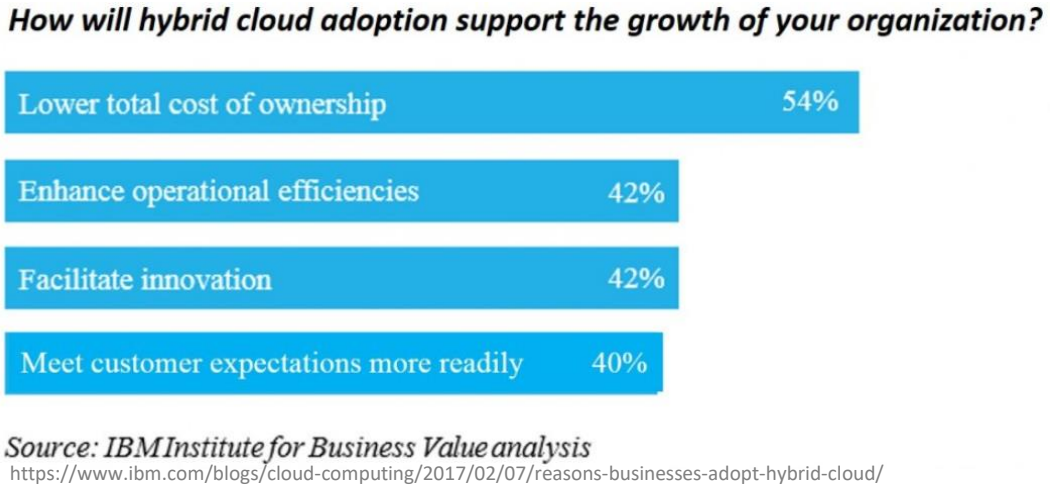
Hybrid Cloud – MYTH 1

Myth

- It costs a lot to deploy Hybrid Cloud

Truth



- **More than half (54%) of executives surveyed cited the most popular reason for implementing hybrid cloud: to reduce the total cost of technology ownership.**

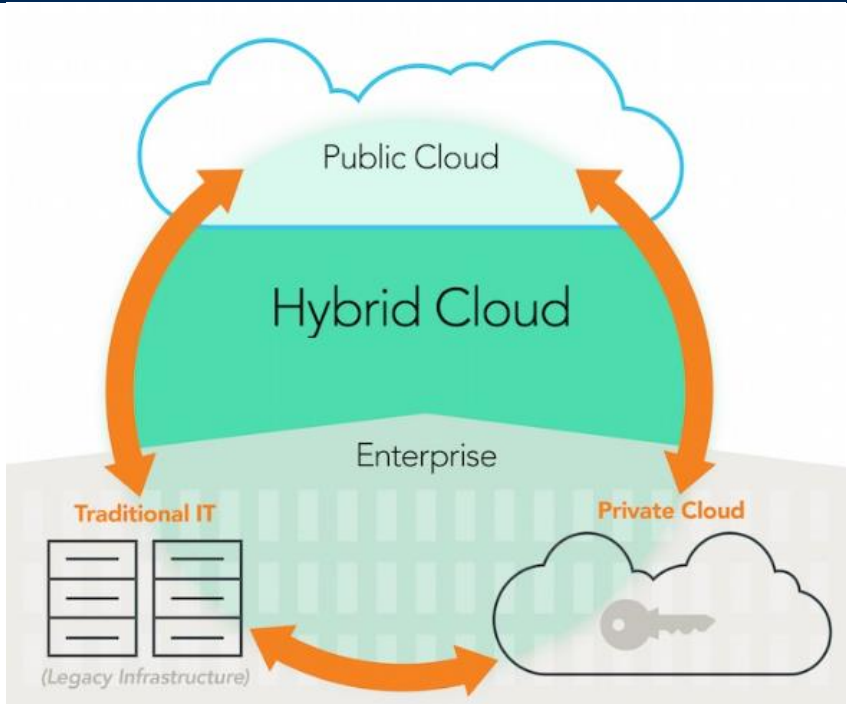
Hybrid Cloud – MYTH 2

- Hybrid Clouds are hard to manage

Myth

Truth

Managing Hybrid Cloud is getting easier. Software defined infrastructure also allows immediate deployments in private cloud environments



Hybrid Cloud – MYTH 3

- On-Prem is always more secure than Hybrid Cloud

Myth

Truth

While many organizations choose on-prem for highly sensitive personal data, security capabilities in both public and private cloud environments are improving all the time

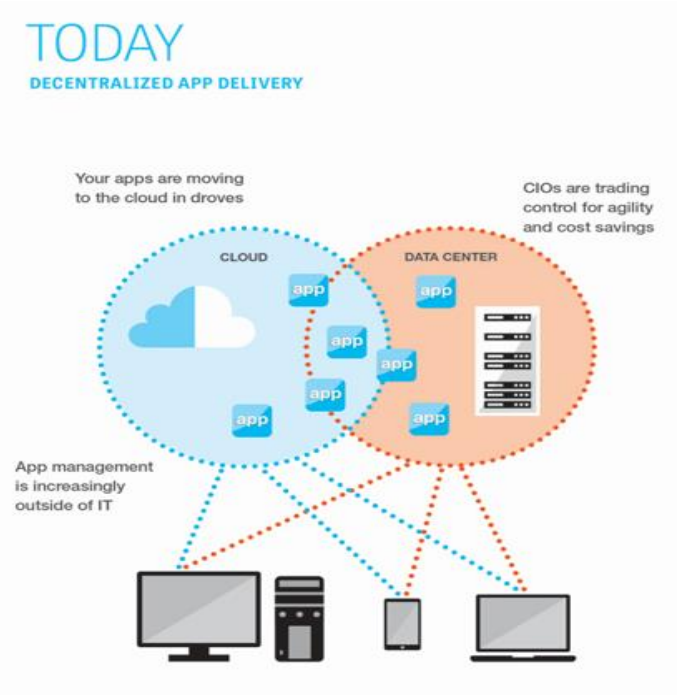
Hybrid Cloud – MYTH 4

- To get Agility, you have to use public Cloud

Myth

Truth

Actually Hybrid Cloud lets you use your existing solutions and capabilities to move and share data both inside and outside your firewall.



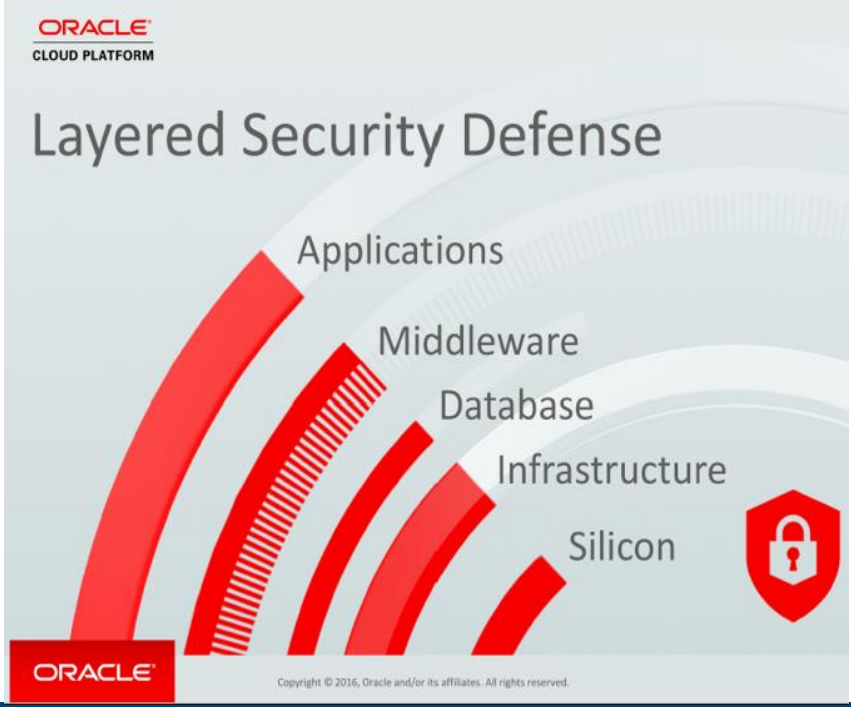
Hybrid Cloud – MYTH 5

- Start-Ups don't need a Hybrid Cloud approach

Myth

Truth

Companies of all sizes must comply with data protection regulations like HIPAA. With Hybrid Cloud you have the flexibility to keep sensitive data on premise



Hybrid Cloud

Pros and Cons

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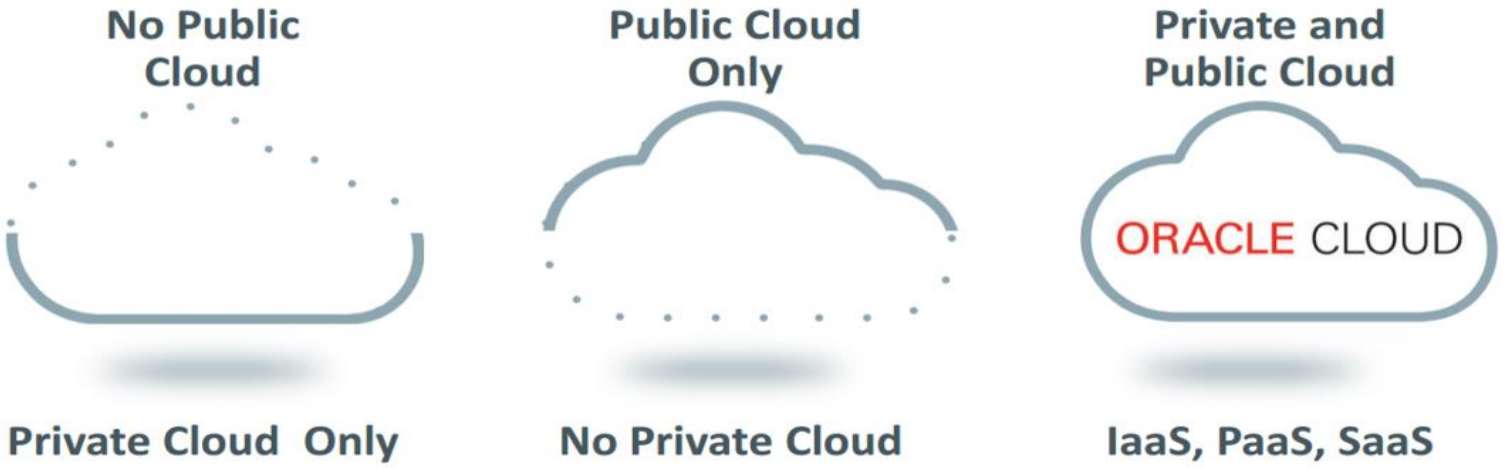
Hybrid Cloud Pros

- Maximum Flexibility – Oracle Hybrid Cloud provide choice of where IT applications and data are hosted



Hybrid Cloud Pros

- Cost Effectiveness

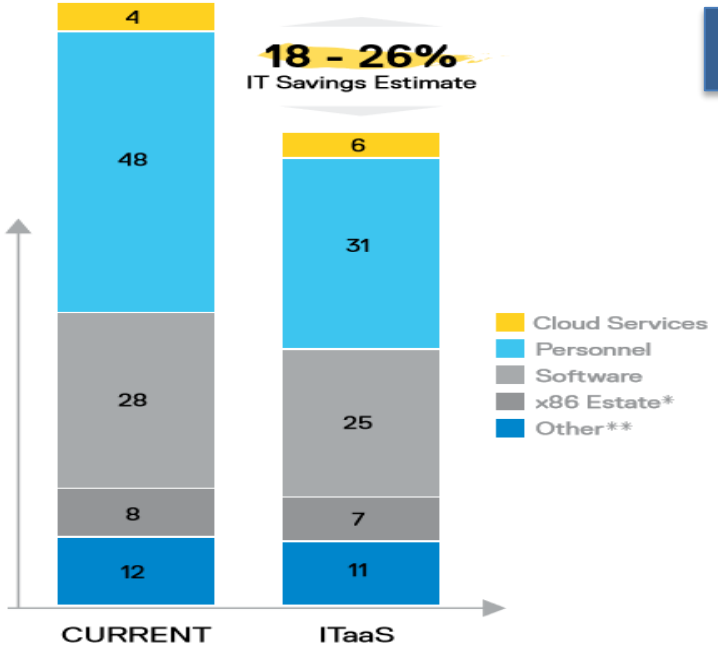
-

A global survey of business and technology leaders by IDG puts the average savings at 24%.

Where do these savings come from?

- Modernization
  - Consolidation, standardization, and virtualization
- Operation
  - Automation of infrastructure provisioning, management and business services
- Applications
  - Retiring redundant applications
- Development
  - Automated provisioning of development environments, migration to SaaS based Applications

Hybrid Cloud Pros



Source: Gartner, Dell EMC analysis

Hybrid Cloud – Average Cost Savings Trend

	INFRASTRUCTURE	APPLICATION DEVELOPMENT
TECHNOLOGY SAVINGS	15-17%	11-18%
PERSONNEL SAVINGS	17-28%	13-30%
% of IT budget	55%	45%

Source: Dell EMC client analysis

Hybrid Cloud Pros

- Buy vs Build -

It's already a hybrid world. Large organizations have multi-cloud environments and are trying to get their clouds working together.

*** Principled Technologies analyzed the labor and process costs, and time spent buying versus building a hybrid cloud:**

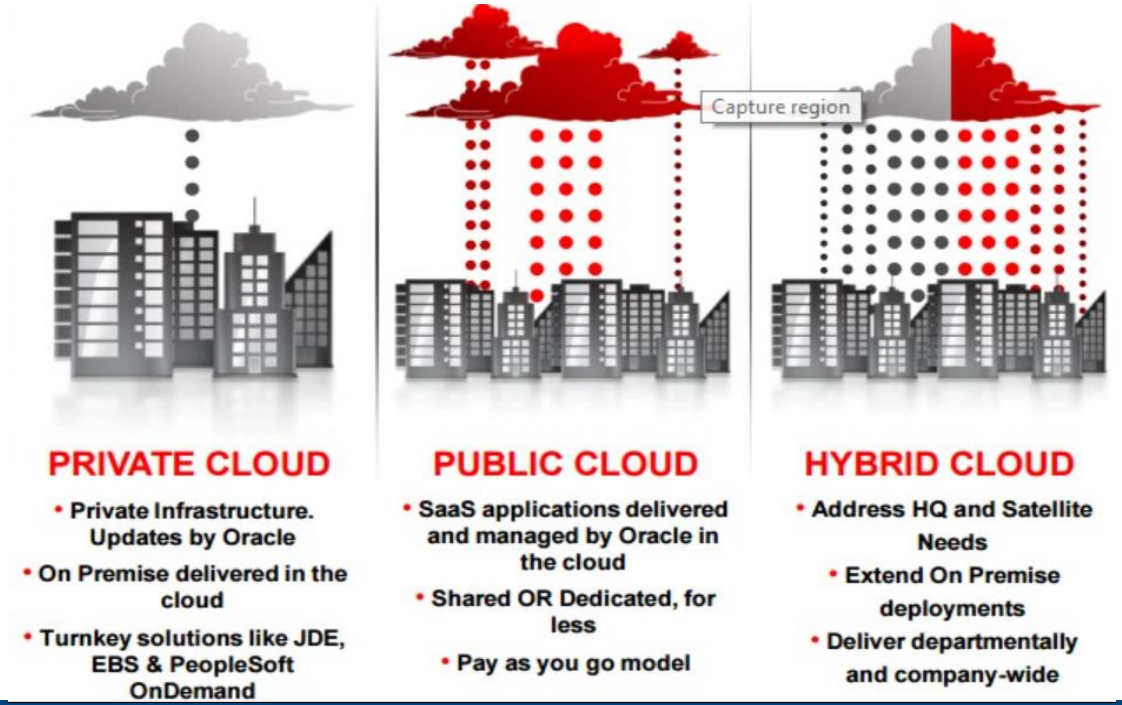
- The total implementation cost of buy is less than half (44%) of build.
- Implementation takes 3 months with buy versus 18 months with build, yielding 15 extra months of IT cost savings and business usage benefits.
- The buy option reduces ongoing maintenance and upgrade costs, with upgrade savings of 42%.

* Principled Technologies Study. http://www.emc.com/collateral/solutionoverview/it-service-transformation-withhybrid-cloud-buy-or-build.pdf

Hybrid Cloud Pros

- Accessibility, Geographic Reach
  –

Mobile and remote users enjoy easier access to ERP, SaaS or Custom Applications with hybrid clouds.



Hybrid Cloud Cons

- Complex IT Management & Product Knowledge
- Security – Similar vulnerabilities as public cloud
- Lock-In – Vendor dependencies
- Lack of Visibility - Difficult to get singular view
- Lack of Control – Backups, DR, Infrastructure
- Integration Challenges

Best Practices

Solution Overview

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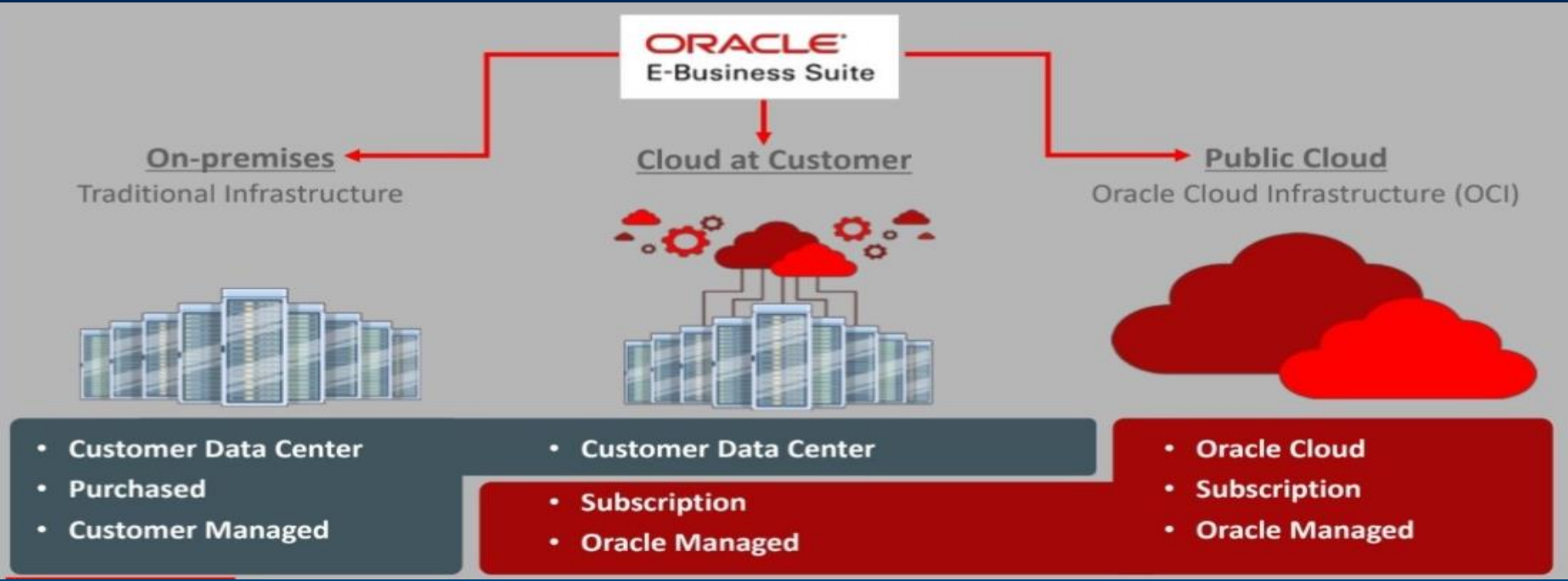
E-Business Suite Hybrid Cloud Solution



E-Business Suite Hybrid Cloud Solution

- Oracle E-Business Suite on Oracle Cloud Platform

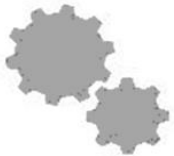
The E-Business Suite you **KNOW**

ORACLE
E-BUSINESS SUITE

The E-Business Suite you **OWN**

Platform as a Service

Infrastructure as a Service

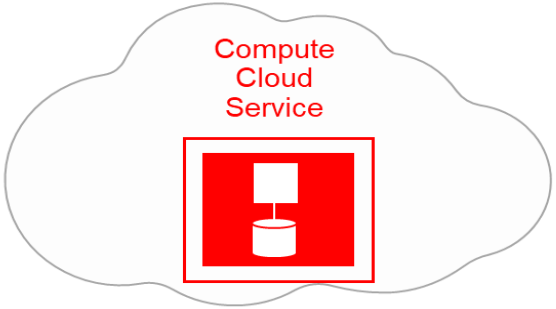


The E-Business Suite you **CUSTOMIZED**

E-Business Suite Hybrid Cloud Solution

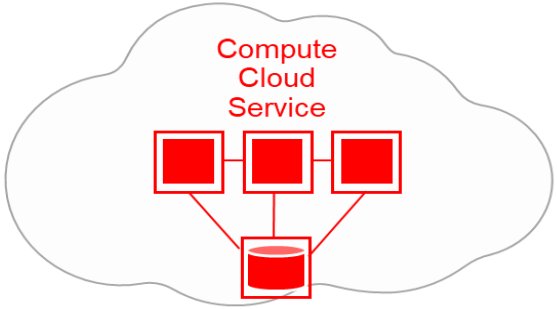
- Deployment Choices

Single node on IaaS



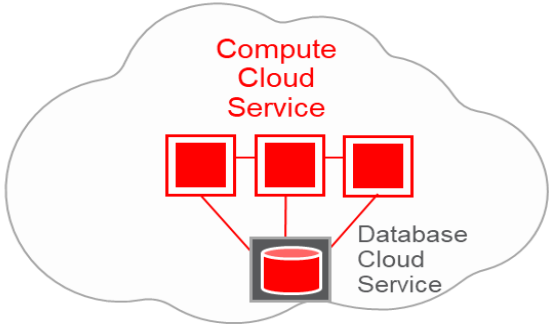
- "All-in-One"
- Demo / Sandbox / Training
- Explore new functionality

Multiple nodes on IaaS



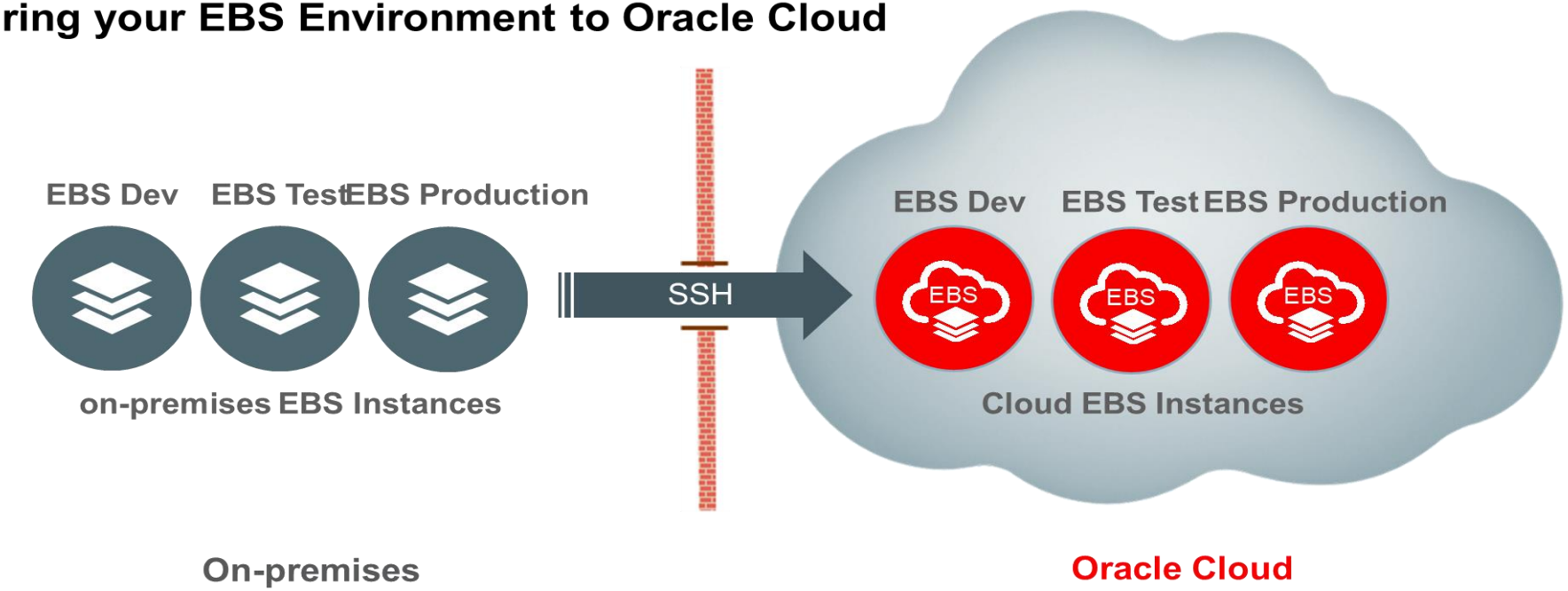
- "Scale-out" application tier
- Development, Test, Production
- Full scale deployment

IaaS + Database Cloud Service



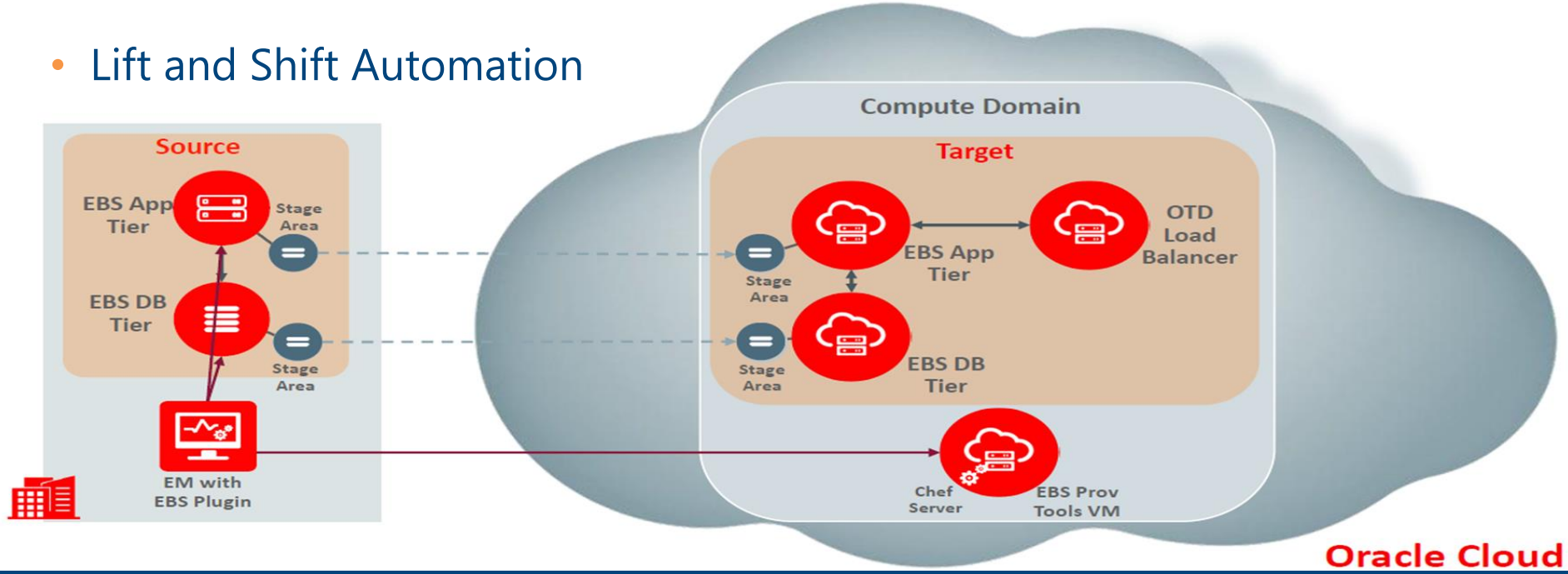
E-Business Suite Hybrid Cloud Solution

Bring your EBS Environment to Oracle Cloud



E-Business Suite Hybrid Cloud Automation

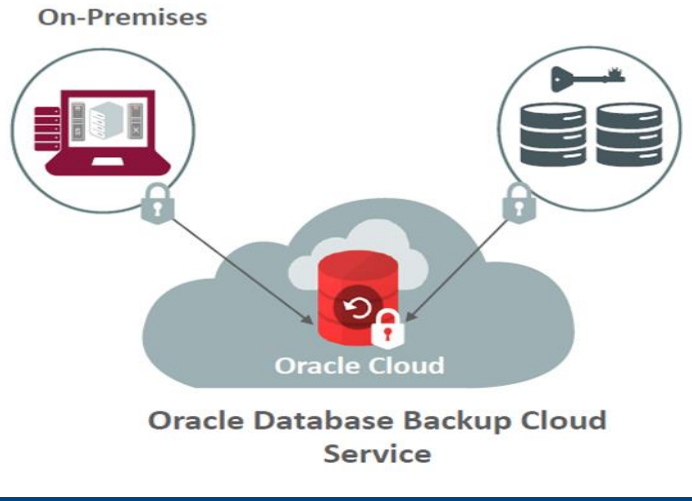
- Lift and Shift Automation

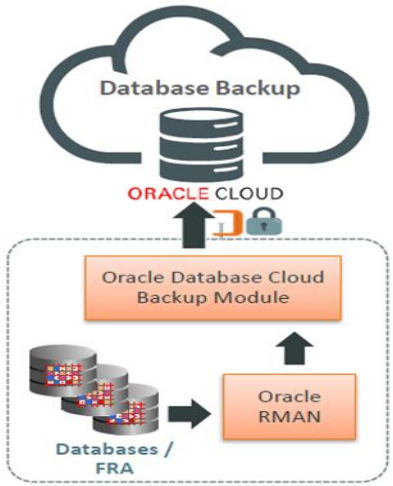


E-Business Suite Hybrid Cloud Automation

- Automated Backups and DR in Oracle Cloud

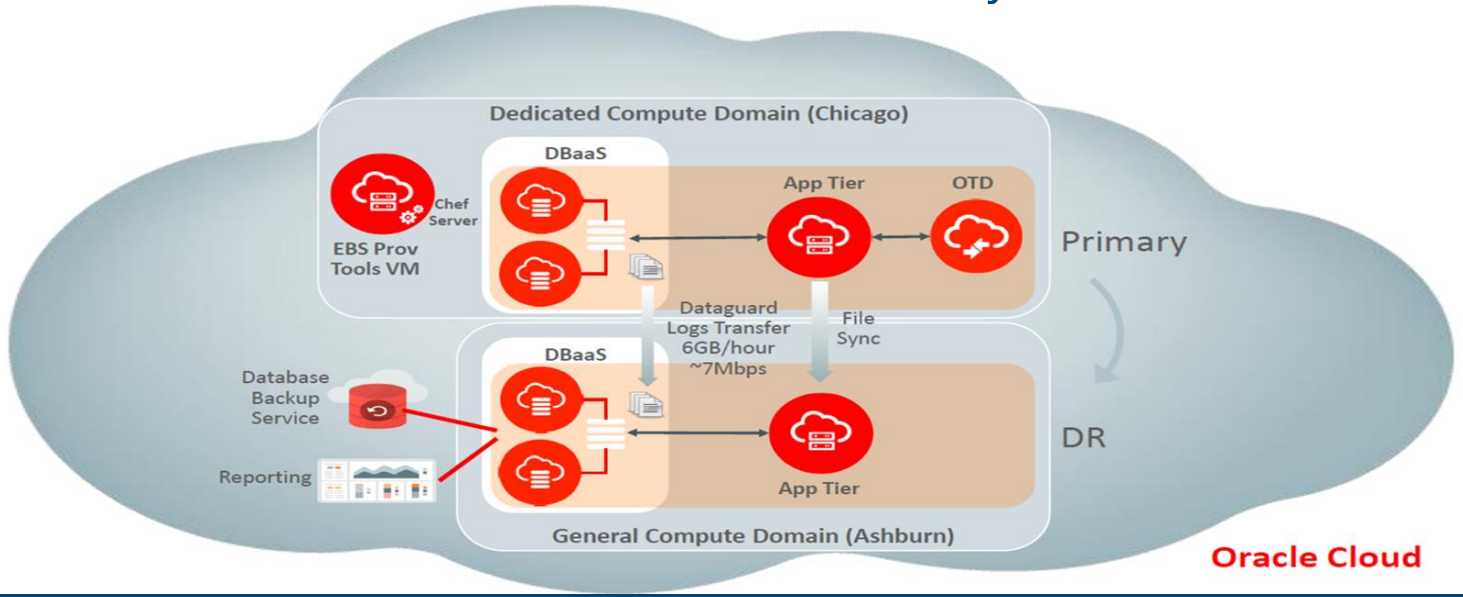
- EBS Backup
  - Database
    - Leverage ODBCS → OSS
  - Apps Tier
    - File based backup → OSS
- EBS Restore
  - Database
    - OSS → Compute, DBCS or ExaCS
  - Apps Tier
    - OSS → Apps Tier





E-Business Suite Hybrid Cloud Automation

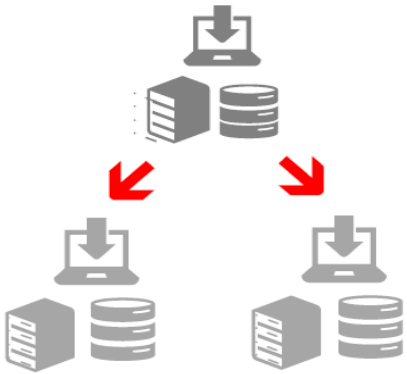
- E-Business suite Cloud-to-Cloud Disaster Recovery Automation



E-Business Suite Hybrid Cloud Automation

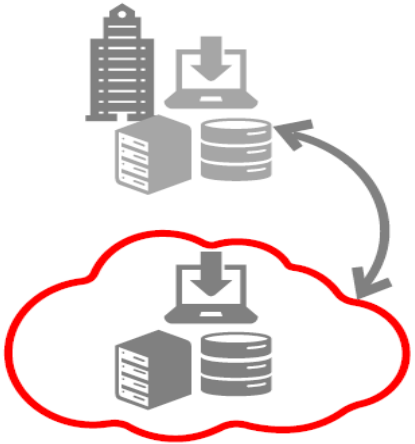
- Automation for E-Business suite on Oracle Cloud

Rapid Provisioning



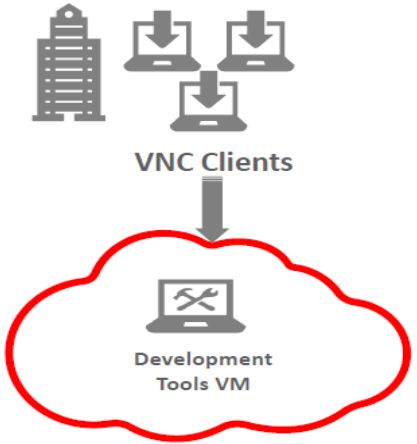
Quickly create multiple environments, as needed

Migration Tools



Migrate on-prem EBS Instances to Oracle Cloud

Development in the Cloud



Customizing or extending EBS in the Oracle Cloud

Hybrid Cloud Management

Lifecyle management and runtime monitoring of EBS instances on-prem and on Oracle cloud.

Hybrid Cloud Case Study

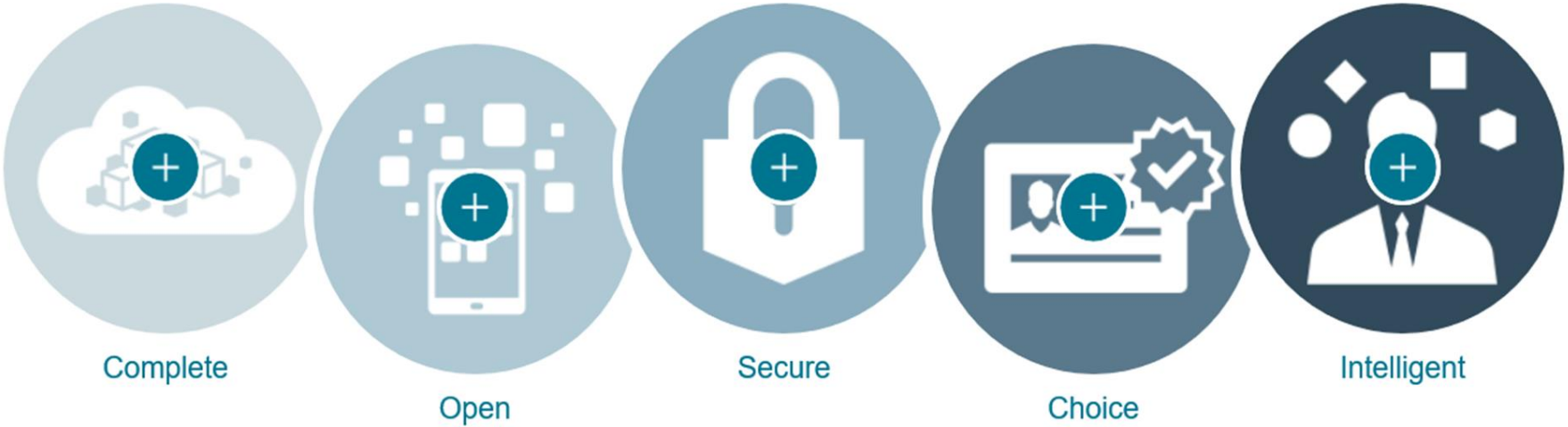
- EBS 12.2
- Linux 6.x
- Hyperion, OBIEE
- Production, UAT
- Disaster Recovery
- 5 TB Database

- EBS 12.2, Hyperion, OBIEE
- Linux 6.x
- Dev, Test, SIT
- FastConnect from On-Prem to OCI
- Automated Clones from On-prem to OCI
- 5 Hour clone time for 5TB DB
- Metered services at OCI

- SOA
- All Environments
- Linux 7.x
- Integrated with EBS
- Service Now
- ADP

Key Takeaways

- Oracle Cloud is the most powerful, unified cloud solution available today



Q&A

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Thank You!
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