

PeopleSoft

RECONNECT

A PeopleSoft Deep-dive Event



PeopleSoft on Oracle Public Cloud (OPC)

Presentation and Demo of PeopleSoft on OPC

David Pigman, SpearMC Consulting

Marcus Bode, SpearMC Consulting

Session: 101690

July 18, 2017 10:15 AM - 11:15 AM

ORACLE

Gold
Partner

Cloud Standard

Quest
International Users Group

Your Presenters



Marcus Bode

Managing Director

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(415) 509-1151

- Application Focus: PeopleSoft FSCM, Oracle Cloud IaaS and SaaS “Fusion”
- Vertical Focus: Financial Services, Higher Ed, Healthcare, Utilities, Technology
- My role at SpearMC: Product Development, Oracle-PeopleSoft Evangelist, and Chief Customer Satisfaction Officer

Your Presenters



David Pigman

Sr. Technical Architect

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(415) 845-2556

- Certified professional with over twenty years of consulting experience in all phases of large scale implementations
- Leads SpearMC's Application Development and Technical initiatives.
- PeopleSoft on OPC Migration Expert and Application Developer

SpearMC Presentations at Reconnect



Tuesday, July 18 @ 10:15 – 11:15 am

- PeopleSoft on Oracle Public Cloud
 - Session ID: 101690
 - Presented by David Pigman
 - Location: Paris

Wednesday, July 19 @ 8:00 – 9:00 am

- PeopleSoft Clear Benefits (eBenefits)
 - Session ID: 101810
 - Presented by John Beretz
 - Location: Tegel

Wednesday, July 19 @ 9:15 – 10:45 am

- How Oracle BI Publisher Serves Your PeopleSoft Reporting Needs
 - Session ID: 101790
 - Presented by John Beretz
 - Location: International Ballroom F

Wednesday, July 19 @ 11:15 am – 12:15 pm

- Powerful PeopleSoft Composite & Connected Query
 - Session ID: 101710
 - Presented by Randy Johnson
 - Location: Narita AB

Wednesday, July 19 @ 1:30 – 2:30 pm

- Extending PeopleSoft WorkCenters
 - Session ID: 101730
 - Presented by Randy Johnson
 - Location: International Ballroom E

Wednesday, July 19 @ 4:30 – 5:30 pm

- PeopleSoft Mobile Expenses – your modern, fluid expense management and reporting tool
 - Session ID: 101700
 - Presented by Randy Johnson
 - Location: International Ballroom F

About SpearMC



Founded in 2004, SpearMC is a technology and professional services firm specializing in

- PeopleSoft FSCM, HCM, SCM, Expenses and Grants Mgmt
- PeopleSoft Test Framework
- PeopleSoft Training
- Oracle Cloud IaaS/PaaS
- PeopleSoft Hosting and Managed Services
- QA & Test Automation
- Host Analytics EPM
- Oracle Business Intelligence



*Certified in PeopleSoft since 2008. Reseller
Certification for PeopleSoft and Oracle Public Cloud.*



RECONNECT

A PeopleSoft Deep-dive Event

Our History

2004

SAN FRANCISCO

Brick and mortar come together to build our very first office



Oracle names us one of its Silver Partners

2007

CHICAGO

Our windy city office opens its doors

2010

SEATTLE

The Emerald City opens its arms to SpearMC

DENVER

The Rocky Mountains welcome our mile-high office

2014



Once again, Inc Magazine's 500 | 5000 list includes us



SpearMC becomes an authorized Oracle reseller



SpearMC is listed on Inc Magazine's 500 | 5000 list



Oracle names us as one of its Gold Partners



Our PeopleSoft Specialization certification is completed



SF Business Times names us one of the Bay Area's Fastest Growing Companies



Consulting Magazine names us on their list of Fastest Growing Firms

2015

PHOENIX

Our newest office opens in the Valley of the Sun



The SF Business Times again lists us as a Bay Area Fastest Growing Company



SF Business Times ranks SpearMC #9 on its Bay Area's fastest growing companies list



Inc. Magazine recognizes us again by including Spear MC on its 500 | 5000 list

2016

HOUSTON

The Lone Star State welcomes our newest office

2017

Looking forward to a bright future

Presentation Agenda

- Business Case, Call to Action and Next Steps
- PeopleSoft on OPC building blocks and foundation
 - Oracle Storage Cloud Service
 - Oracle Database Backup Service
 - Oracle Database Cloud Service
 - Oracle Compute Cloud Service
- Oracle Public Cloud demonstration
- Cloud Security
- PeopleSoft Cloud Manager (*content provided by Oracle*)



Presentation Objectives (1)

- It's July 2017...your organization faces comprehensive technical and business challenges to assess, select and deploy cost-effective PeopleSoft cloud strategies.
- The Promise of Enterprise Cloud
 - Better use of Internal Resources
 - More rapid response to changing business models
 - Lower capital and operational expenses
 - Fewer Operational Issues
 - More Secure

¹ promise 
noun | prom·ise | \ˈprä-məs\

2 : reason to expect something • little *promise* of relief; *especially* : ground for expectation of success, improvement, or excellence • shows considerable *promise*

Presentation Objectives (2)



- This session covers SpearMC's experience moving a current PeopleSoft customer to Oracle Public Cloud. We will also explain:
 - How we planned migration from On-Premises to Oracle Public Cloud.
 - Best practices from a planning, architecture and execution standpoint.
 - SpearMC's approach to "lift and shift" on-premises customers to the cloud.



PeopleSoft

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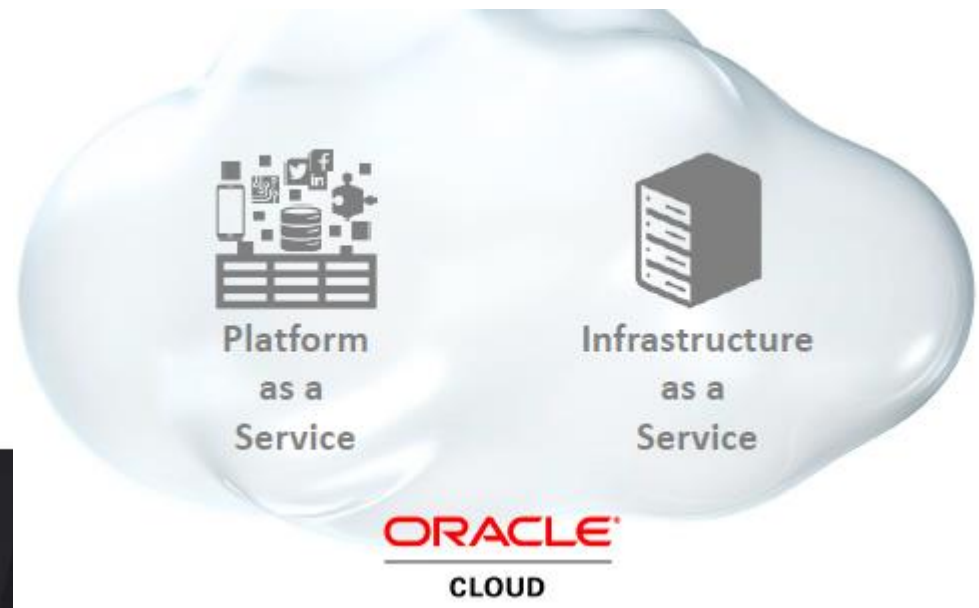
 **SpearMC**

Coming up with a Business Case



- Focus first on the “why” not the “how”
 - Reduce Data Center Expenses: Hardware, Real Estate, Power, OS/SW
 - Less Reliance on Internal Capabilities
 - Speed to New Environments, Speed to Test, Scale for Future Growth
 - Desire for Greater Stability, Redundancy, Failover and Failback

PaaS delivers significant benefits to those running an Oracle DBMS. If not running Oracle DBMS, then decide on of IaaS alone will give you enough bang for the buck.



PeopleSoft

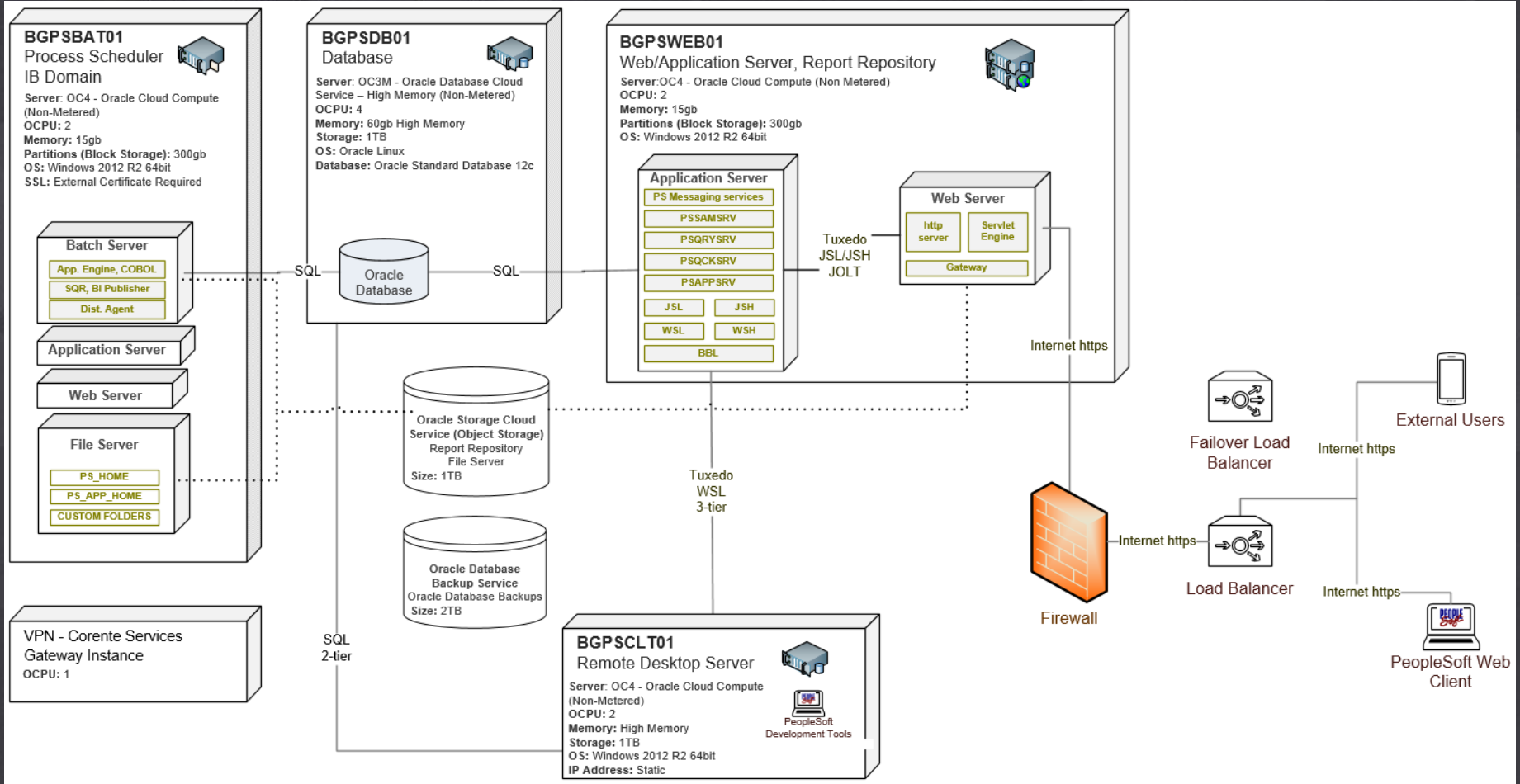
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Call to Action and Next Steps



- Next focus on “when” and “what”, not “how”
 - **When:** Timing to purchase OPC...your next material IT event:
 - Hardware refresh
 - Hosting services renewal
 - Oracle database upgrade (or move to Oracle database)
 - PeopleTools upgrade (and then migrate to OPC)
 - **What:** Consider Oracle Public Cloud for the following:
 - Demo Environment
 - Update Source Environments
 - Staging and Testing Environments...and ultimately Production

Hiring your Architect



If you understand this blueprint and all the “moving” parts, you’re in good shape to start

Pouring the Foundation

Your baseline subscription for a DEV/TST environment should include:

Subscription Details



Oracle Storage Cloud Service:



Oracle Database Backup Service:



Oracle Database Cloud Service:



Oracle Compute Cloud Service:

**Minimum
Order
SKUs**

Pouring the Foundation



1. **Oracle Storage Cloud Service:** non-metered TB storage
2. **Oracle Database Backup Service:** non-metered TB storage
3. **Oracle Database Cloud Service:** non-metered hosted
4. **Oracle Compute Cloud Service:** non-metered compute capacity # of OCPU
5. **Oracle Compute Cloud Service:** block storage non-metered TB of storage capacity
6. **Oracle Integration Cloud Service – Non-Metered – OCPU:**
(*optional*)

Pouring the Foundation



Platform as a Service

What is the advantage of database PaaS over BYOL to IaaS?

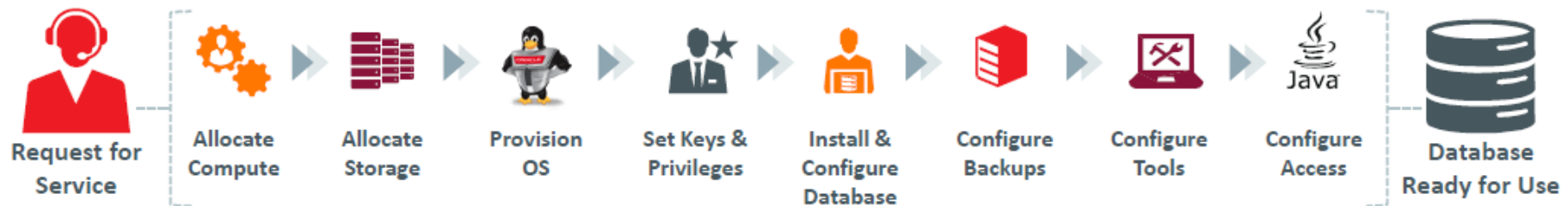
- Automated provisioning of database VMs
- Automated backups
- Tooling for automated patching and upgrades
- Instance monitoring console
- Automated configuration and deployment of HA features such as RAC, DataGuard and GoldenGate replication
- Instance cloning features to rapidly provision dev/test instances.

Pouring the Foundation



Platform as a Service

Oracle Database Cloud Service



Benefits



Reduced time and complexity to provision database services



Increased standardization of the "fleet"



Also use to deploy with data guard or Real Application Clusters (RAC)

Pouring the Foundation



Platform as a Service

Oracle Database Backup Service

Performance, Redundancy, Security

- Data replicated in multiple storage nodes in different regions
- Encrypted Database, transfer and backups
- Faster Restores

Clone

- Use Database backups clone Development, Test, QA for in Cloud or On-Premise

Pouring the Foundation



Platform as a Service

Oracle Database Cloud Service Shapes

General Purpose:

- OC3 - 1 OCPU, 7.5 GB RAM
- OC4 - 2 OCPU, 15 GB RAM
- OC5 - 4 OCPU, 30 GB RAM
- OC6 - 8 OCPU, 60 GB RAM
- OC7 - 16 OCPU, 120 GB RAM

High Memory:

- OC1M - 1 OCPU, 15 GB RAM
- OC2M - 2 OCPU, 30 GB RAM
- OC3M - 4 OCPU, 60 GB RAM
- OC4M - 8 OCPU, 120 GB RAM
- OC5M - 16 OCPU, 240 GB RAM

Pouring the Foundation



Infrastructure as a Service

Oracle Compute Cloud Service

Scalable

- No need to forecast needs and manage quotas, consume what is required, scale up/down as your needs evolve

Cost Effective

- Pay only for what you consume, reduce cost burden of expensive on-premises systems

Secure

- Data encrypted at rest and in motion across multiple availability domains

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Infrastructure as a Service

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Create Oracle Database Cloud Service Instance



Service Configuration

* Service Name ?

Description ?

* Shape ▼

* Timezone ▼

* SSH Public Key ?



Database Configuration

* Usable Database Storage (GB)

Total Data File Storage (GB)

* Administration Password ?

* Confirm Password ?

* DB Name (SID) ?

* PDB Name ?



Backup and Recovery Configuration

* Backup Destination ▼

* Cloud Storage Container ?

* Cloud Storage User Name

* Cloud Storage Password

Create Cloud Storage Container ☐ ?

Total Estimated Monthly Storage (GB) ?

* Create Instance from Existing Backup ▼

* Character Set ▼

* National Character Set ▼

Database Clustering with RAC ☐ ?

Standby Database with Data Guard ☐ ?

Enable Oracle GoldenGate ☐ ?

Oracle Cloud Security



Customer and Oracle Security Responsibilities

Oracle Customer Responsibilities

Virtual Machine Security
In-Guest Third-Party Solutions for Securing
Applications and Operating Systems



Identity and Access Management
Users, Roles, SSO



Network and Dynamic Firewall Configuration
SSH-Based Access to Instances,
Network Security Rules



Data Security
Data-at-Rest Encryption,
Network Traffic Protection



Oracle Customer
Responsible for securing
the operating systems and
applications running in the
virtual machines and
managing security
configurations using the
tools provided by Oracle.

See “*Oracle
Infrastructure and
Platform Cloud
Services Security*”
White Paper for
more information.

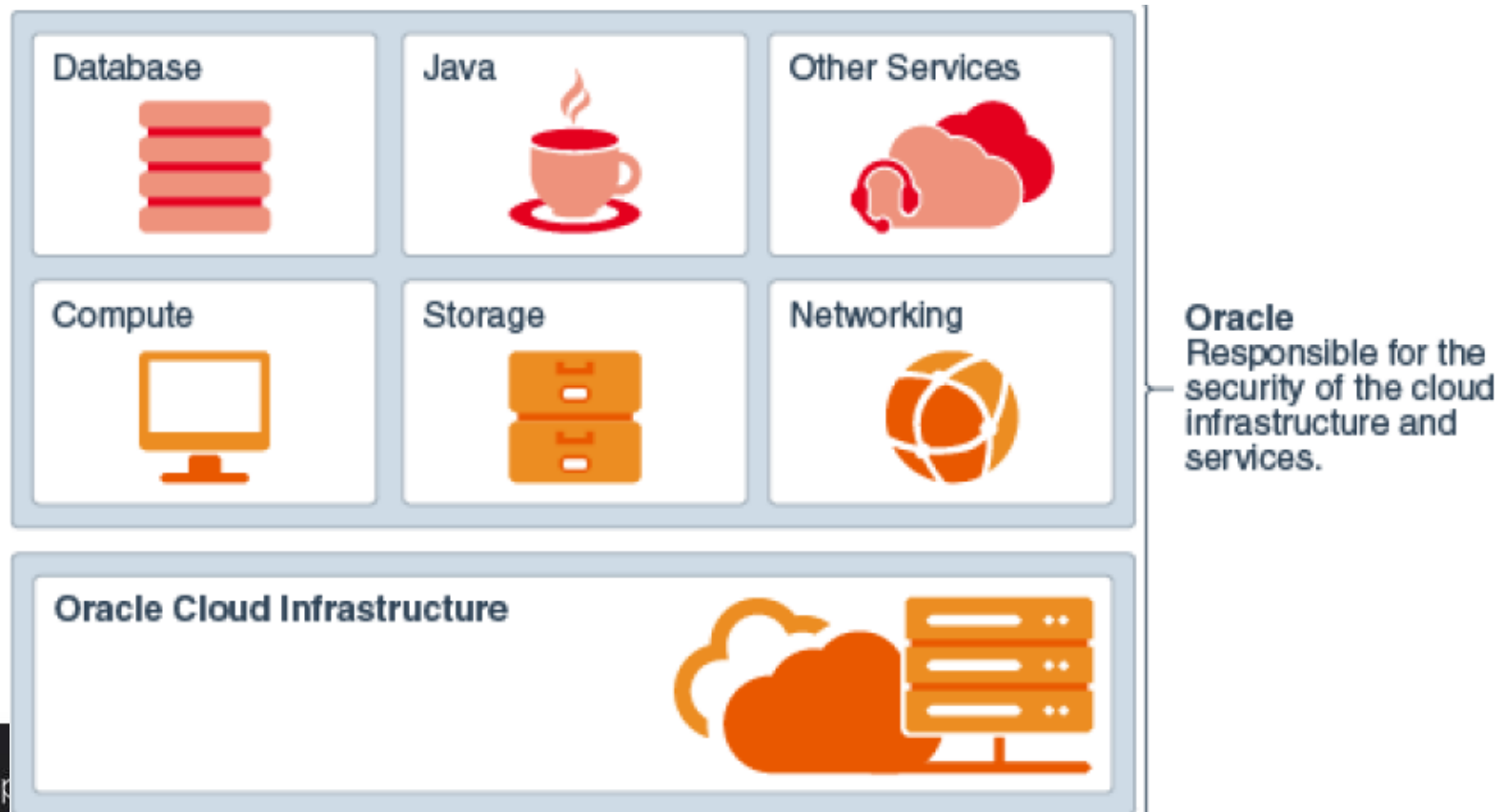
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Oracle Cloud Security

Customer and Oracle Security Responsibilities

Oracle Responsibilities



PeopleSoft on OPC – Deployment Options

Deploy PeopleSoft to Oracle Cloud

Where Do You Start?

Demo and Update Manager Environments

What's on the Oracle Cloud?



Demo from the Oracle Cloud Marketplace



Update Manager Source

What's on Premise?



Dev/Test/Staging/Training



Production

What's it Means to You?

Immediately assess the latest PeopleSoft capabilities.

Non-Production Environments

What's on the Oracle Cloud?



Dev/Test/Staging/Training

What's on Premise?



Production PeopleSoft

What's it Means to You?

Business agility and cost savings.

All (including Production) Environments

What's on the Oracle Cloud?



Non-Production PeopleSoft



Production PeopleSoft

What's on Premise?



Non-PeopleSoft

What's it Means to You?

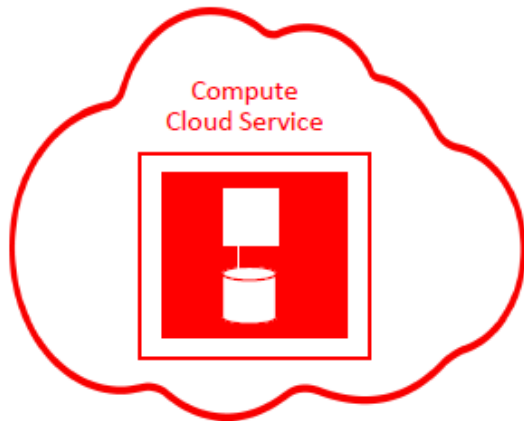
Greater business agility, cost savings, and lower risk

Learn more at the [PeopleSoft on Oracle Cloud](#) concept page and contact your Technology sales representative.

PeopleSoft on OPC – Deployment Options

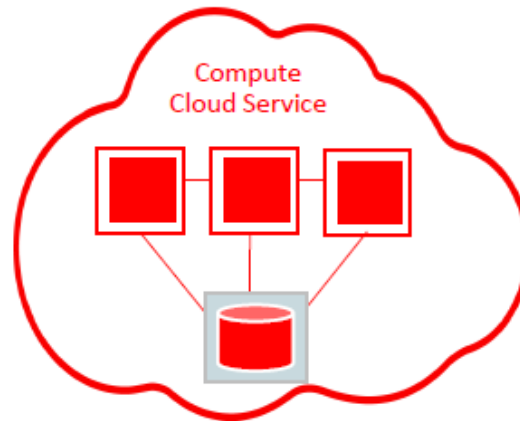
Managed by PeopleSoft Cloud Manager (if you happen to qualify)

Single Node on IaaS



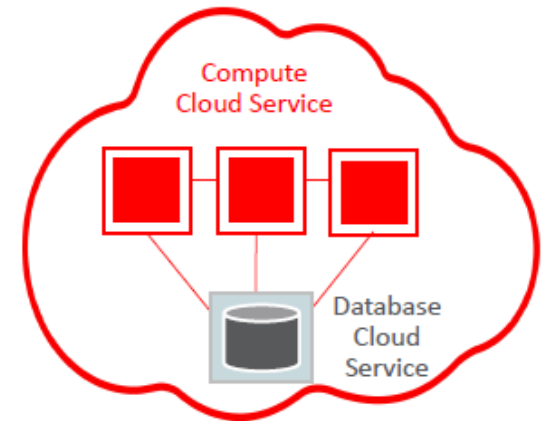
- “All in One Machine”
- Demo, Dev, Training
- Deploy Demo Image from Oracle Cloud Marketplace

Multiple nodes on IaaS



- “Scale-out” apps tiers
- Dev, Test, Perf, Prod
- Full Scale Deployment, Lift & Shift from On-Premise Dev/Test

IaaS + DB/Exa Cloud Service



- “Scale-out” apps and database tiers
- Leverage DBCS or ExadataCS for manageability & RAC
- Test, Perf, Prod
- Full Scale Deployment

PeopleSoft Cloud Manager (in GA)

Deploy PeopleSoft to Oracle Cloud

Capabilities of PeopleSoft Cloud Manager Coupled with Oracle Cloud

Cloud Computing

- Elastic scaling based on demand
- Compute, Storage, Networking, Database as a Service, more...
- Industry leading secured environments



Migrate to Oracle Cloud

- Lift and Shift existing environments to Oracle Cloud
- Migration of your configuration, data, and customizations
- Backup and restore to Oracle Cloud



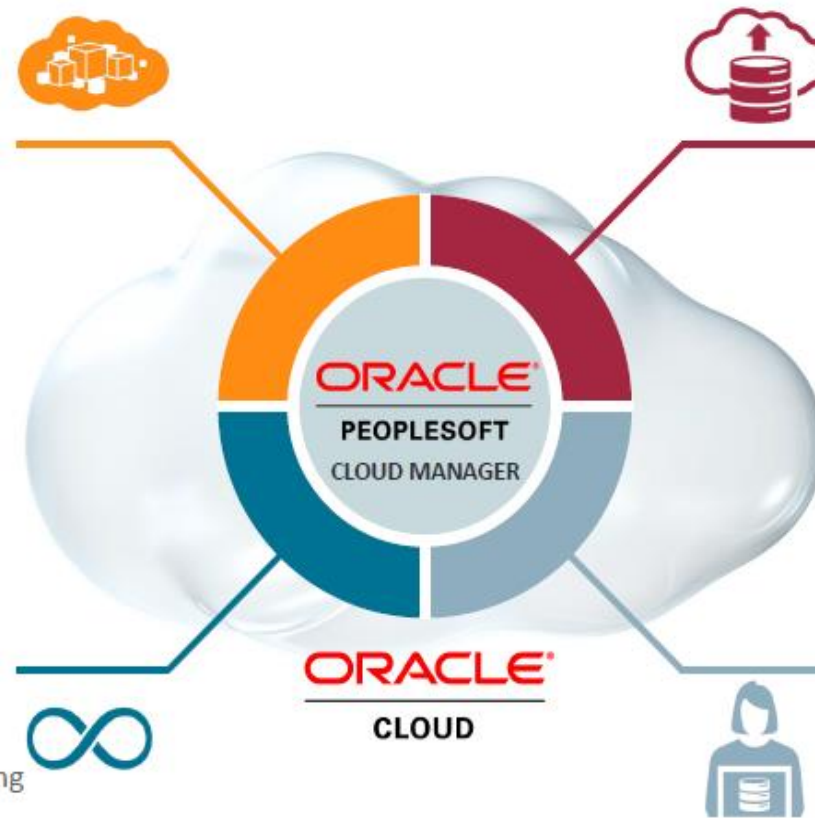
Life Cycle Management

- Subscription to update release channels
- Complete environment management
- Application & PeopleTools patching



Self Service Provisioning

- Template driven provisioning enables business users
- On-demand environments for specific use cases
- Unique topology definitions



PeopleSoft Cloud Manager (in GA)

- New/Dropped/Changed Products:
 - Cloud Manager Image 03. PeopleTools 8.55.12, application 9.2. You want to make sure whatever instances you set up in your OPC environments is this PT release with this patch set (12).
 - Cobol and Elasticsearch Provisioning – Requires 8.55.13 and above
 - Additional CM-specific DPK (Cobol) posted to MOS on 1/16/17 (8.55.13 GA)
 - Lift and Shift
 - Create New Environments
 - Health Check
 - Easily Apply Maintenance
- Platforms: Linux

PeopleSoft Cloud Manager (in GA)

- Health Check

The screenshot displays the 'Health Check' page within the PeopleSoft Cloud Manager. The left sidebar contains a navigation menu with options: 'Environment Details', 'Health Check' (highlighted), 'Manage PUM Connections', 'Apply PeopleTools Patch', and 'Logs'. The main content area is titled 'Health Check' and includes a 'Retrieve Health Status' button. Below this, it shows the last update time: 'Last updated on : Mon Jan 23 19:54:56 UTC 2017'. The health status is categorized into three sections: 'Database', 'Middle Tier', and 'PeopleSoft Client'. Each section lists various checks with corresponding status icons (green checkmark for success, red X for failure).

Category	Check	Status
Database	Database is Up	Success
	Connect to the Database	Success
	The User SYSADM has Access to the Database	Success
	Database Listener PSPDB is Fine	Success
	Archive Log is Enabled	Failure
	Verify Password profile for the Database	Success
	Database name and Instance name Match	Failure
	The Symbolic IDs Match and their Counts are Equal	Success
Middle Tier	Connect Database from Midtier	Success
	Web Server Domain peoplesoft is Up	Success
	App Server Domain APPDOM is Up	Success
	Process Scheduler Domain PRCSDOM is Up	Success
	App Server Trace for APPDOM is not Enabled	Success
	Process Scheduler Trace for PRCSDOM is not Enabled	Success
	The Cobol Process is Running	Failure
	The PIA Login is Successful	Failure
PeopleSoft Client	Open App Designer 2 Tier	Success
	Open App Designer 3 Tier	Failure

More Thought Leadership

ORACLE® Gold
Partner
Cloud Standard



<http://spearmc.com/insights/>

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 **SpearMC**

Tailored PeopleSoft Training



PEOPLETOOLS 8.54/8.55, FLUID AND INTEGRATION

PeopleTools 8.54/8.55 Fluid User Interface	✓
PeopleTools 8.54/8.55 I & II Accelerated	✓
PeopleTools 8.54/8.55 Delta	✓
PeopleTools 8.54/8.55 PeopleCode I & II	✓
PeopleTools 8.54/8.55 Application Engine	✓
PeopleTools 8.54/8.55 Integration Broker	✓
PeopleTools 8.54/8.55 Web Services	✓
PeopleTools 8.55 PTF (PeopleSoft Test Framework)	✓
PeopleTools 8.54/8.55 SQR	✓

<http://spearmc.com/training/>