# Enterprise-wide Planning, Budgeting and Forecasting: The Cloud Option

**August 26, 2014; 2:30 PM – 3:30 PM**


**Presented By**

**Praveen Kumar**

**prkumar@astcorporation.com**


# Agenda

- AST Overview
- Cloud Overview
- What's in PBCS?
- PBCS Key Benefits & Differences
- Process for:
  - Patching and Upgrading
  - Backup , Restore & Cloning
- New Implementation & Migration Process
- Production Support
- Questions

**Specialized. Recognized. Preferred.**
The right partner makes all the difference.

Northern California OAUG

| Our Services | Oracle Partnership | Oracle Specialized |
|---|---|---|
| • E-Business Suite | • Oracle Platinum Partner | • EBS Financial Management |
| • Business Intelligence | • Pillar Partner | • EBS Human Capital Management |
| • EPM-Hyperion | • SOA | • EBS Supply Chain Management |
| • Fusion Middleware | • Business Intelligence | • BI Applications |
| • CRM | • Hyperion | • BI Foundation |
| • Managed Services | • Oracle University Approved Education Center | • Service Oriented Architecture |
| • Education / Oracle University | • Oracle University Reseller | • Application Development Framework 11g |
| • Project Advisory Services | • Oracle Accelerator Implementer | • Hyperion Planning 11 |
| | • Oracle Managed Cloud Services Implementer | • Database 11g |
| | • Small Business Strategy Council | • Public Sector |

*Oracle Excellence Award Winner 2013, 2011, 2009*

*2011 Inc. Top Small Company Workplaces*

*2012-2013 Inc. 5000 Fastest Growing Companies*

*2012 Best & Brightest Companies to Work For*

ORACLE PARTNERNETWORK
2009 ORACLE TITAN AWARD WINNER
2011 ORACLE TITAN AWARD NORTH AMERICA

2013 Winner ORACLE Oracle Excellence Award
SPECIALIZED PARTNER OF THE YEAR —NORTH AMERICA

TOP SMALL COMPANY WORKPLACES 2011 WINNER

AMERICA'S FASTEST-GROWING Inc. 5000 PRIVATE COMPANIES

AMERICA'S FASTEST-GROWING Inc. 5000 PRIVATE COMPANIES TOP 100 CHICAGO

NATIONAL BEST AND BRIGHTEST COMPANIES TO WORK FOR WINNER 2012

AST CORPORATION

ORACLE Platinum Partner

# What is Cloud Computing?

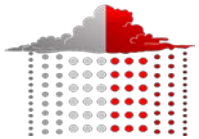
**"Buying IT capacity and applications as needed from a utility service provider"**

**- Forrester**

**"A style of computing where massively scalable IT-Related capabilities are provided as-a-service across the internet to multiple external customers"**

**- Gartner**

# Options with Cloud

| Deployment Model | Service Delivered | Operating Model |
|---|---|---|
|  Private |   Applications (SaaS) |  Customer Owns Customer Operates |
|  Public |   Platform (PaaS) |   Customer Owns Provider Operates |
|  Hybrid |  Infrastructure (IaaS) |  Provider Owns Provider Operates |

# SaaS Trade-offs

- Operational expense
- Limited infrastructure overhead
- Lower short term TCO
- Faster implementation
- Potential for increased innovation
- Frequent Automatic Upgrades

- Security and compliance concerns
- Longer term TCO uncertain
- Integration with other systems
- Frequent Automatic Upgrades

# What is in PBCS? (1/2)

## For PBCS R13.2

- Core Hyperion Planning R11.1.2.3, Available as a cloud service
- Smart View and FR for reporting and analysis
- Enhancements to application creation wizard, Calculation Manager
- Data integration on the cloud and through well-defined file interfaces Includes version 11.1.2.3.000 of FDMEE.
- Calculation Manager with some EAS functionalities.
- Subscription pricing based on $$$/user/month model

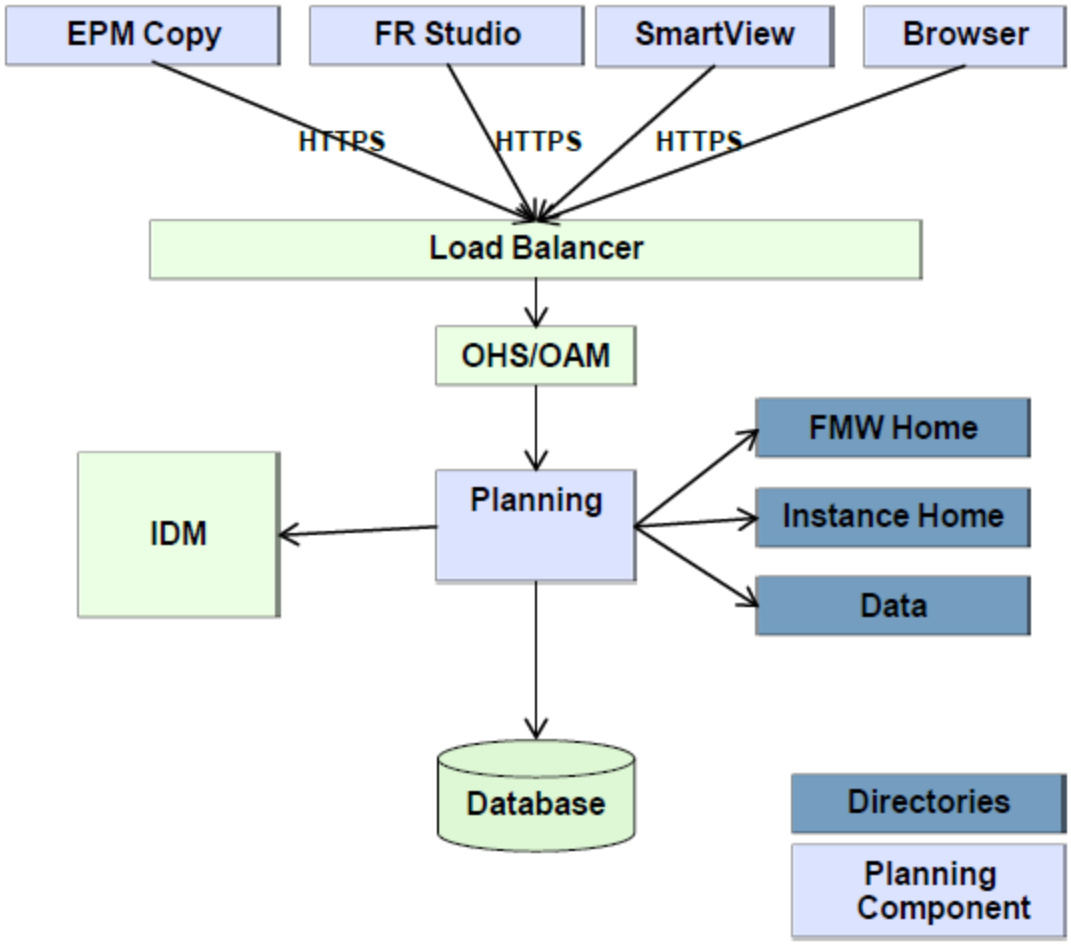
# What is in PBCS? (2/2)

- Suggested implementation approach
  - Start with a focused scope
  - Expand scope incrementally based on user needs
  - Implementation services from Hyperion resources in Oracle Consulting and partner network.
  - Goal is ~4-8 week deployments


- General availability since 2HCY2013

# Deployment Model

- Each Planning Service deployment serves a single tenant
- OPC Services are shared between tenants



# Security Configuration

- All users are in IDM and are managed via IDM Console.
- Customers can also create Native groups inside PBCS.
- Provisioning is done automatically based on roles in IDM.
  - Security UI in shared services is customized to only show what is needed for PBCS.

# Target Customers

## EPM Install Base Customers

- New applications
- Develop and deploy in the cloud
- Develop in the cloud, Deploy on-premise
- Move existing apps to the Cloud

## New Customers

- Currently using Excel for Financial Planning
- Positive SaaS experience in other enterprise areas
- Large as well as mid-size businesses
- Fusion ERP Cloud Service customers

# PBCS Key Benefits

| Cost & Time | Implementation |
| --- | --- |
| ▪ Software licensing & annual support<br>▪ Hardware/infrastructure<br>▪ System patches and upgrades | ▪ Adoption is easy<br>▪ Get the latest and greatest features<br>▪ Elastic: grows with the business<br>▪ Accelerates time to value by focusing on the application not infrastructure<br>▪ IT won't mind |

# Function & Feature comparison (1/3)

| Product Components | Hyperion Planning | PBCS |
|---|---|---|
| **Access Control** | ▪ Hyperion Shared Services<br>▪ Native Directory used for provisioning information and to support artifact migration | ▪ Oracle Cloud Identity Management<br>▪ Native Directory used to support artifact migration and group-based access control to artifacts |
| **User Directory Configuration and Management** | ▪ Functional users are permitted to manage user directories | ▪ Each PBCS instance is supported using an identity domain (a slice of Oracle Cloud Identity Management)<br>▪ Does not support the configuration of additional external user directories<br>▪ Only the Identity Domain Administrator can manage the identity domain for the service. |
| **Delegated User Management** | ▪ Supports delegated user management, which enables the creation of a hierarchy of administrators | ▪ Does not support delegated user management |

# Function & Feature comparison (2/3)

| Product Components | Hyperion Planning | PBCS |
|---|---|---|
| **Financial Reporting** | ▪ Uses Java Monitoring and Management Console (JConsole), which is available to Financial Reporting Administrators, to define and manage Financial Reporting properties | ▪ Does not permit changing Oracle Hyperion Financial Reporting properties using JConsole<br>▪ Users are not allowed to output book to static HTML websites |
| **EPM Architect (EPMA)** | ▪ Can be used for Planning | ▪ PBCS does not use EPMA |
| **Financial Data Management Enterprise Edition (FDMEE)** | ▪ Drill back capability available through adapters | ▪ Drill back capability available to all sources supported by FDM through flat files using the Data Management features within PBCS |

# Function & Feature comparison (3/3)

| Product Components | Hyperion Planning | PBCS |
|---|---|---|
| **Data Relationship Management** | ▪ Supported through flat files and EPMA | ▪ Supported through flat files and automation to PBCS |
| **Essbase ASO** | ▪ ASO is part of Hyperion Planning and needs to be separately licensed | ▪ ASO is part of PBCS application and included in the pricing |
| **Reporting** | ▪ Financial Reports is part of Hyperion Planning license | ▪ Financial Reports is part of PBCS subscription |
| **Smart View** | ▪ Smart View for Office is part of Hyperion Planning license | ▪ Smart View for Office is included in PBCS subscription |
| **Other** | ▪ Oracle Data Integration, flat files, and Excel extracts | ▪ Flat files, and Excel extracts |

# Patching and Upgrading (1/3)

- Patches can include any software change as long is it is not requiring the customer to do any level of training on their side and customers can finish their workflows the same manner they did before the patch was applied.
  - For example, new options can be added to menu items in a patch but menu items cannot be renamed, removed to moved to a different location on the screen.

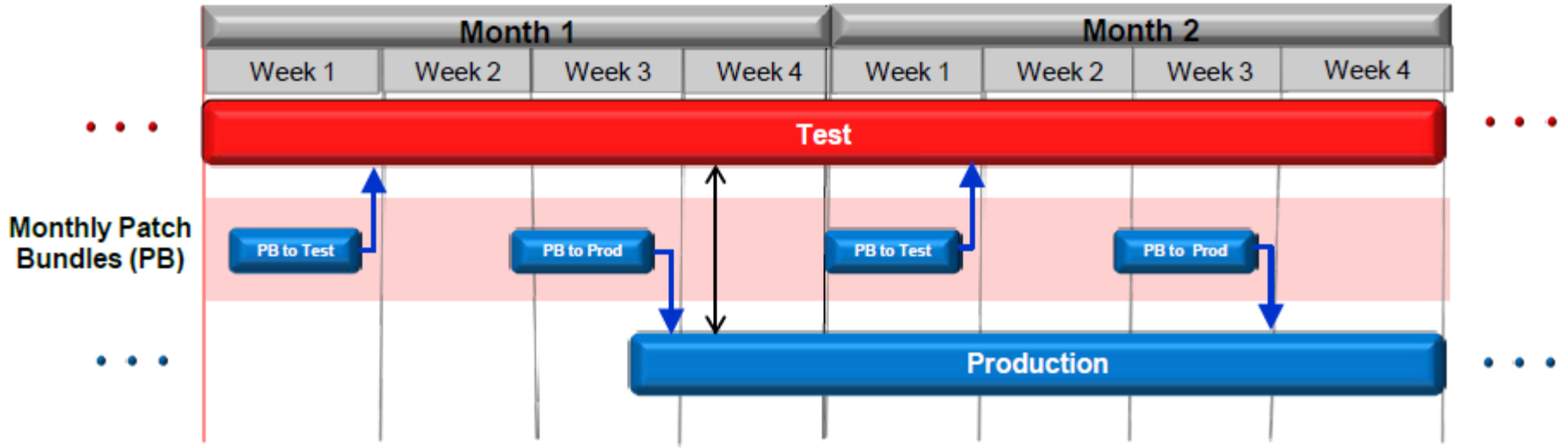
# Patching and Upgrading (2/2)

## Patching

- Patch Bundles are staged monthly: 1st Friday
- Patch Bundles are applied based on customer-defined cadence either on 1st Friday or 3rd Friday
- Recommendation for customers: Setup for 1st Friday for test environment and 3rd Friday for production environment

## Upgrading

- Availability of new version announced in Cloud portal
- Scheduled by Customer and Oracle
- Upgrades planned : 3 times / year



# Backing Up Application Artifacts (1/2)

This procedure does not include Planning Essbase data in the snapshot. Essbase data is backed up during the maintenance window defined by the Service Administrator.

- Navigate to Application Management -> Application Groups.
- Expand Foundation -> Shared Services -> Native Directory. Select Groups.
- Expand FDM -> FDM Enterprise Edition -> Application Data -> Planning Applications. Select the Planning application to migrate.
- Expand Planning application -> Select All artifacts. Under Global Setup Artifacts, clear Essbase Data.
- Expand Foundation -> Calculation Manager -> Planning. Select All artifacts.
- Expand Reporting and Analysis -> Reporting and Analysis -> Repository Objects. Select: All Financial Reporting objects associated with the Planning application.

# Backing Up Application Artifacts (1/2)

- Any third-party content; for example, documents and HTML files.
- AnnotationsInternalFolder—Select the annotations associated with Planning reports.
- HRInternalFolder—Expand HRInternal folder and do the following: Expand DataSources, and select the data sources associated with the Planning application.
- Expand HRScheduler, and select batch jobs associated with the Planning application.
- Expand UserPov, and select the User POV associated with the Planning application.
- Security
- Click Export

# Restoring Application Artifacts

- Navigate to Application Management -> Application Snapshots
- Right-click the snapshot to restore, and then select Import.

# Cloning : Prod to Prod/Test

Step 1: Export Oracle Planning and Budgeting Cloud Service Artifacts

Step 2: Set Up the Target Environment

Step 3: Import Artifacts to the Target Environment

Step 4: Validate and Troubleshoot

Step 5: Export and Import data

# Planning Design Best Practices

1. Requirements – Getting Started
   a) Review business processes, company financial statements, key revenue and expense areas
   b) Gather existing spreadsheets
   c) Gather reporting requirements
   d) Gather planning and forecast requirements
   e) Plan data sources
2. Design – Planning Your Application
   a) Establish the goals, key objectives, and scope
   b) Design dimensions
   c) Design calculations
   d) Determine revenue and expense requirements and drivers
   e) Determine the approval process
3. Putting it All Together – Application Wizard

# Implementation Steps

Step 1: Create Application Structure

Step 2: Load Metadata

Step 3: Load Data

Step 4: Create Forms Folders and Forms, and Assign Access

Step 5: Set up Task Lists and Tasks, and Assign Access

Step 6: Create Reports

Step 7: Create Business Rules to Transform Data

Step 8: Create Documents

Step 9: Run Diagnostics

# Step1: Create Application

- For PBCS, in Application Wizard
  - Can create only one Planning application
  - Do not specify plan types or name plan types
  - Do not create data sources linking the relational database and the Essbase server
- Use Plan Type Editor (same functionality as On-Premise)
  - Manage plan types: delete, rename, add
  - Add Aggregate Storage database to a Planning application
  - You are allowed up to three generic plan types total and one ASO database for each BSO database plus one additional ASO database for consolidation purposes.
  - For an ASO database type, you must specify an application name to contain the Essbase database since an ASO database must reside in its own application.

# Step2: Load Meta Data

- Application Wizard: Either manually enter member names or set up Account, Entity, and custom dimension members by importing from metadata files
- Import and Export > Import Metadata from File: Import metadata or to perform incremental updates from the source system (if needed, create a new dimension on import)
- Import or update Planning dimensions using Smart View for Excel using the Planning Admin Extension utility

**Table 5** Maximum Number of Dimension Members

| Entity | Maximum Uploadable Members |
|---|---|
| Account dimension | 5000 |
| Entity dimension | 25000 |
| Versions dimension | 30 |
| Scenario dimension | 30 |
| Year dimension | 20 |
| Currency dimension | 50 |
| Period dimension | 65 |
| Custom dimension | 50000 |

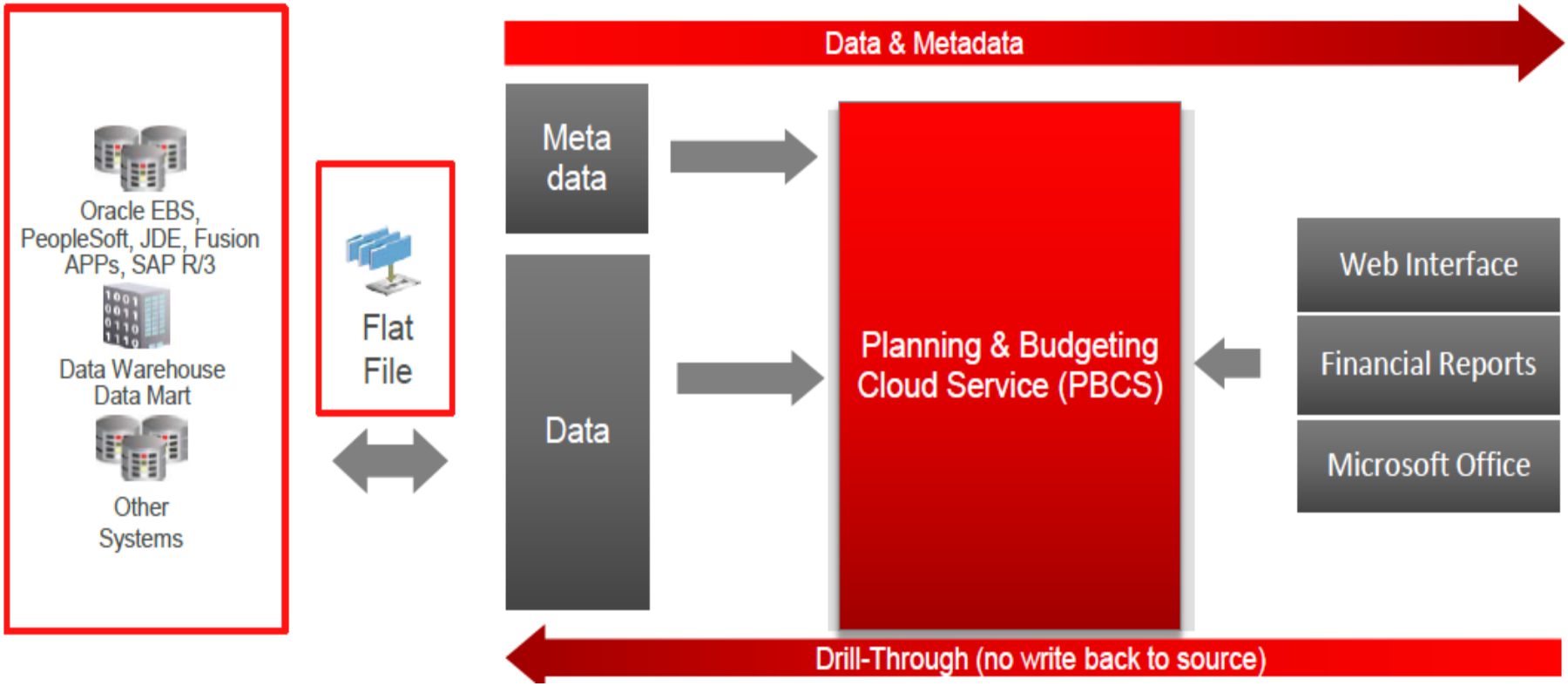
# Step3: Load Data

## Two data import file formats:

- Planning
  - Select the **Dimension** into which to load data, whose member fields correspond to the header record in the data file.
  - Specify **Driver Members** specified for the import dimension. If you leave this field empty and you specified import and driver members on the **Administration Data Load Settings** window, those settings are used for the import.

- Native Essbase These files can be formatted in either Cell list or Column list format. Cell list format specifies a single cell value for each record, whereas Column list format specifies multiple cell values for each record.

# Integration with External Sources



# Managing Integrations

For PBCS R13.2, Data Management support:

- Includes version 11.1.2.3.000 of FDMEE. This version of FDMEE does not have all of the features that the latest version of FDMEE includes (FDMEE 11.1.2.3.510).
- Only handles data; does not handle any metadata
- Supports only file-based source systems – process assumes the file has been loaded into PBCS prior to kicking off the load job
- Accepts only single period file formats
- Does not support data write-back
- Supports drill through from PBCS back to source

# Migrating: On-Premise to the Cloud (1/5)

- General Prerequisites
  - Migrating from on-premises EPM System Release 11.1.2.1.x.
  - The user performing the import operation must have the Service Administrator role
  - Ensure that the application name in Oracle Planning and Budgeting Cloud Service is the same as the on-premises application name.
- Artifacts Not Supported
  - Shared Services custom roles
  - Enterprise Resource Planning Integrator/Oracle Hyperion Financial Data Quality Management/FDMEE artifacts
  - Reporting and Analysis Annotations and Batch Jobs (Note that ACLs defined for Financial Reports are lost during migration and must be defined manually in Oracle Planning and Budgeting Cloud Service.)
  - Oracle Essbase global substitution variables (If your application has global substitution variables, convert them into application-specific variables before migrating.)
  - Workspace Pages and Personal Pages

# Migrating: On-Premise to the Cloud (2/5)

- Applications and Modules Not Supported
  - Horizontal planning modules such as Oracle Hyperion Workforce Planning, Oracle Hyperion Capital Asset Planning, and Oracle Hyperion Public Sector Planning and Budgeting
  - Oracle Hyperion EPM Architect-enabled Planning applications

# Migrating: On-Premise to the Cloud (3/5)

## Dimension Members

Ensure that the dimension members in the on-premises Planning application do not exceed the following limits:

- Account Dimension: 5,000 members
- Entity Dimension: 25,000 members
- Version Dimension: 30 members
- Scenario Dimension: 30 members
- Year Dimension: 20 members
- Currencies Dimension: 50 members
- Time Period Dimension: 65 members
- Custom Dimensions: 50,000 members

# Migrating: On-Premise to the Cloud (4/5)

## Other Considerations

- Report Mapping Artifacts and ASO Cubes
  - Report Mapping artifacts could have references to Essbase ASO cubes in your on-premises environment and may fail to import into PBCS. Oracle recommends that you not select them for migration. You can manually create an ASO cube in Planning, and then recreate report mappings.
- Business Rules
  - Security access is not migrated and must be manually defined in PBCS.
  - When defining security access, you may need to review and make modifications prior to migration:
    - Locations
    - Launch variables
    - Macros
    - Location for Sequence
    - Projects

# Migrating: On-Premise to the Cloud (5/5)

## Process Flow

Step 1: Migrate the Security Model

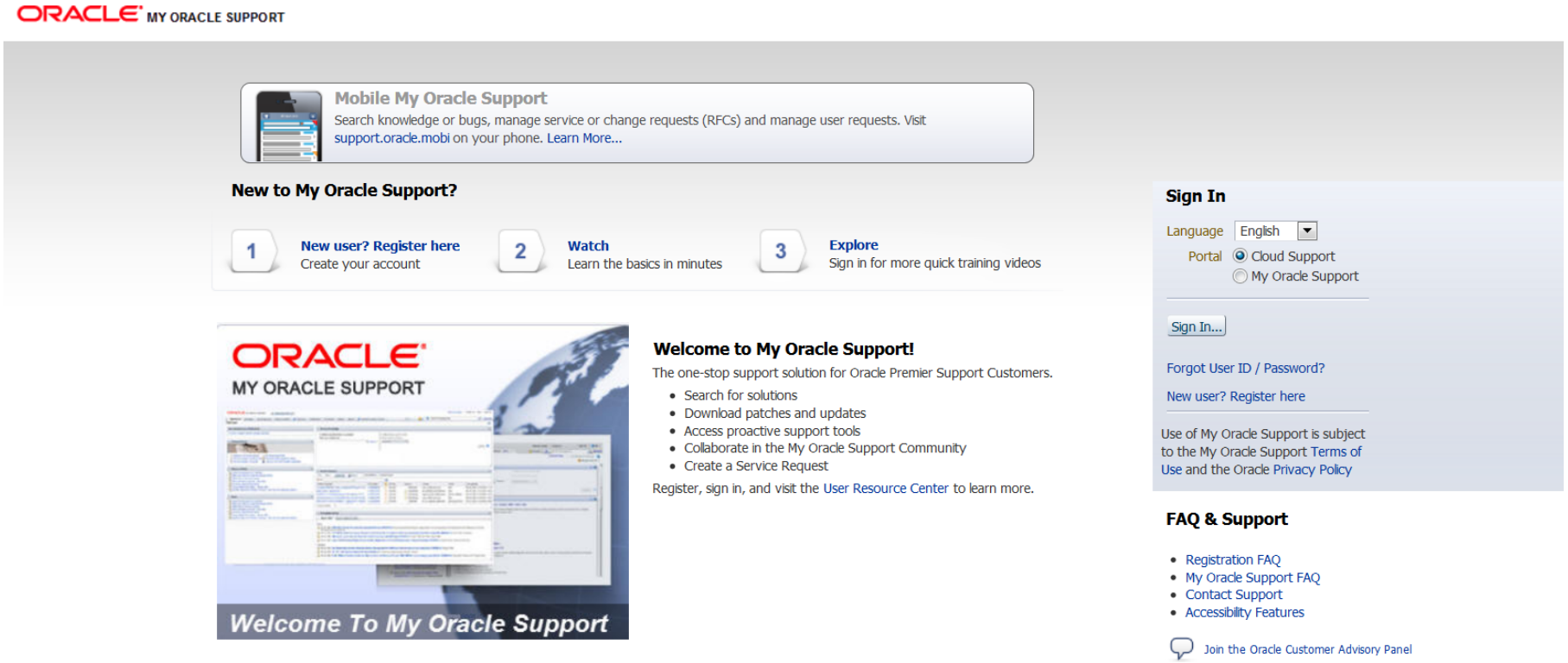
Step 2: Export Artifacts from the On-Premises Deployment

Step 3: Zip the Exported Artifacts and Upload the ZIP File to Planning and Budgeting Cloud Service Workspace

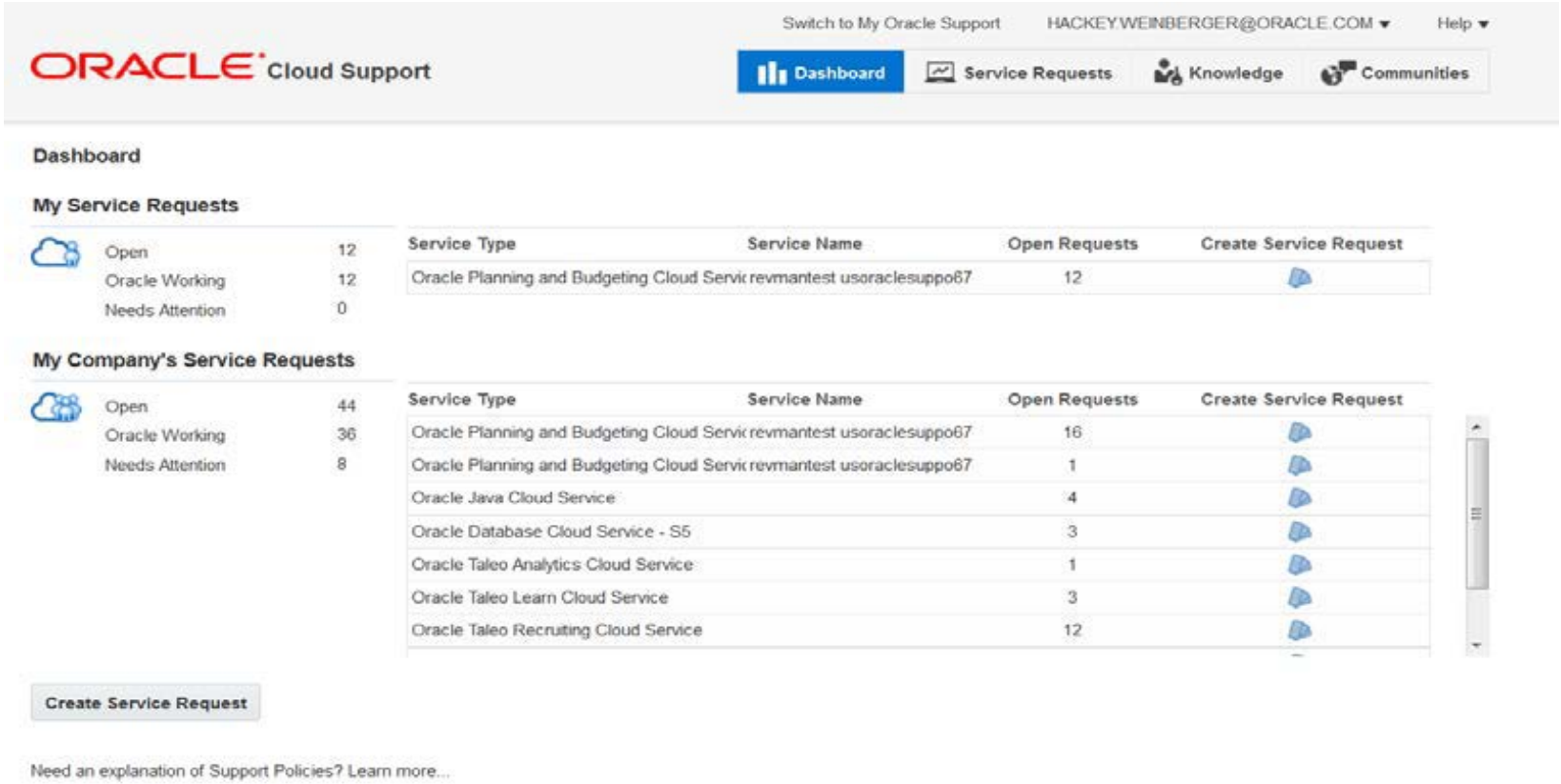
Step 4: Import Artifacts to the Oracle Planning and Budgeting Cloud Service Production Environment

Step 5: Validate and Troubleshoot

# Oracle My Support-Sign In

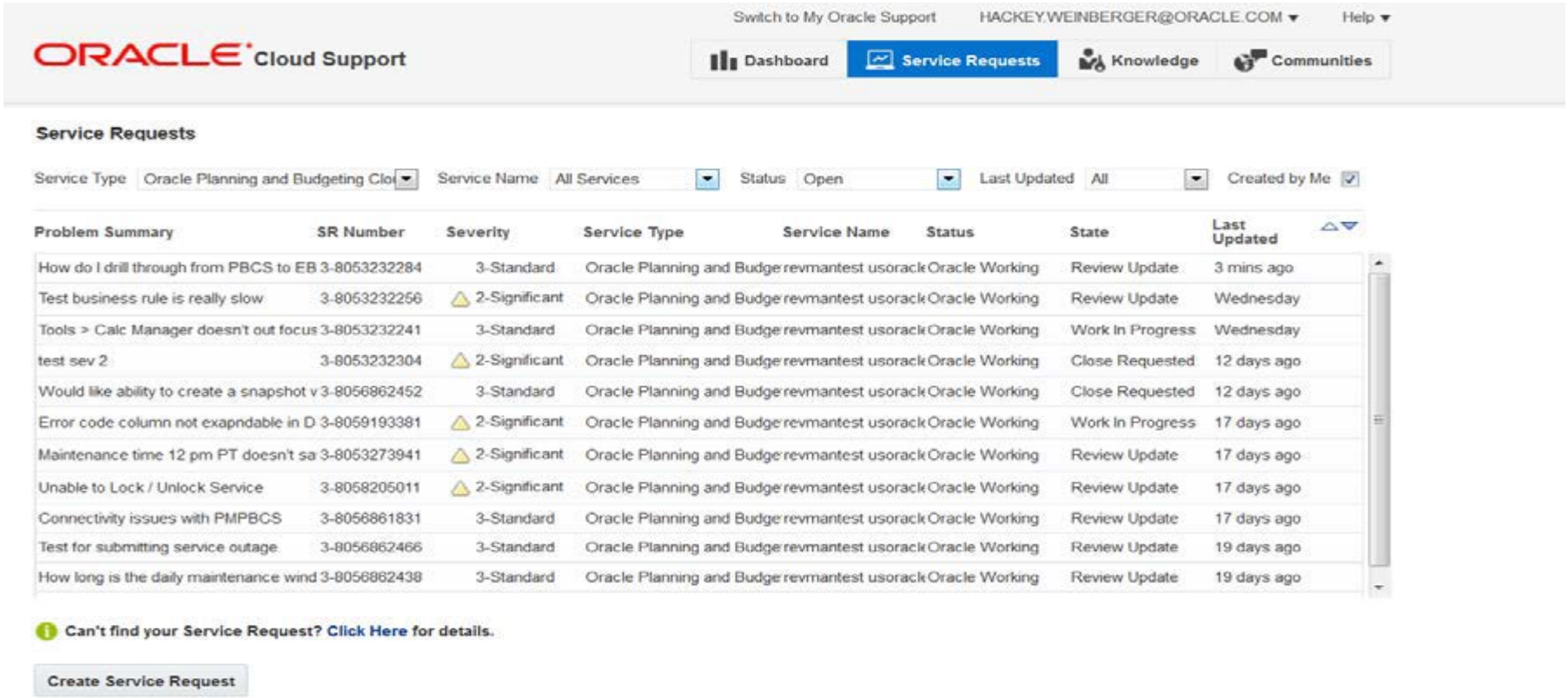


# Oracle Cloud Support – Dashboard



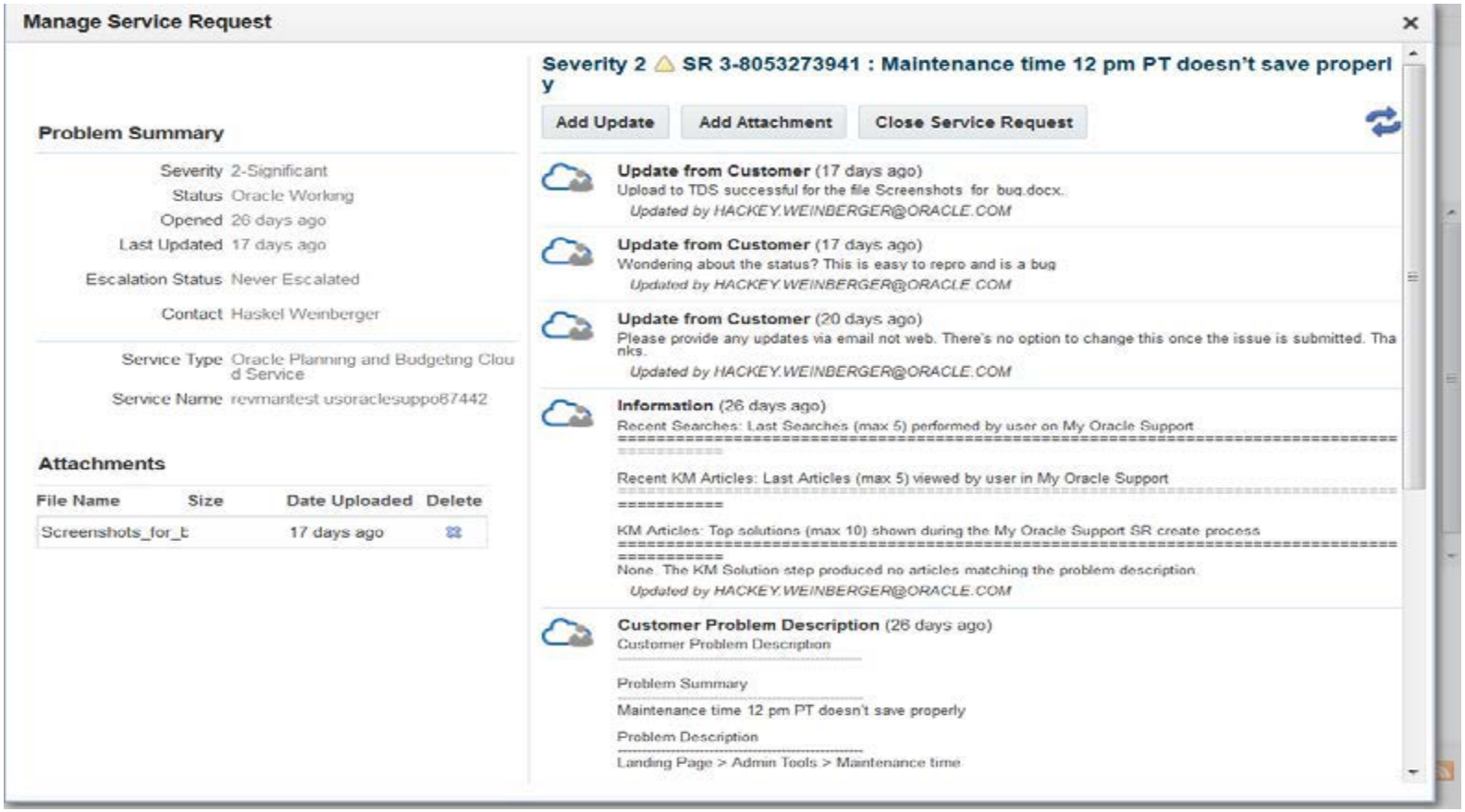

- Displays summary of user SRs
- Displays summary of company's SRs

# Oracle Cloud Support – SRs




- Displays list of user SRs
- Filterable by Service Type, Service Name, Status, Updated Date
- Clicking SR Number opens a specific SR

# Oracle Cloud Support – Manage SRs




- Used to review, update and close a specific SR

# Oracle Cloud Support – Create SR