ITOUG
ITALIAN ORACLE USER GROUP

TechDay 2017
BI & Analytics Stream

Oracle Analytics Cloud

The most comprehensive analytics in the Cloud

Roberto Falcinelli
Senior Manager - Big Data & Analytics Domain Leader
Oracle Technology Sales Consulting
Milano 8 Giugno 2017

ORACLE

Smart Analytics for Everyone

ANALYSTS

- Faster time to insights
- Share, collaborate and maximize community‘s wisdom

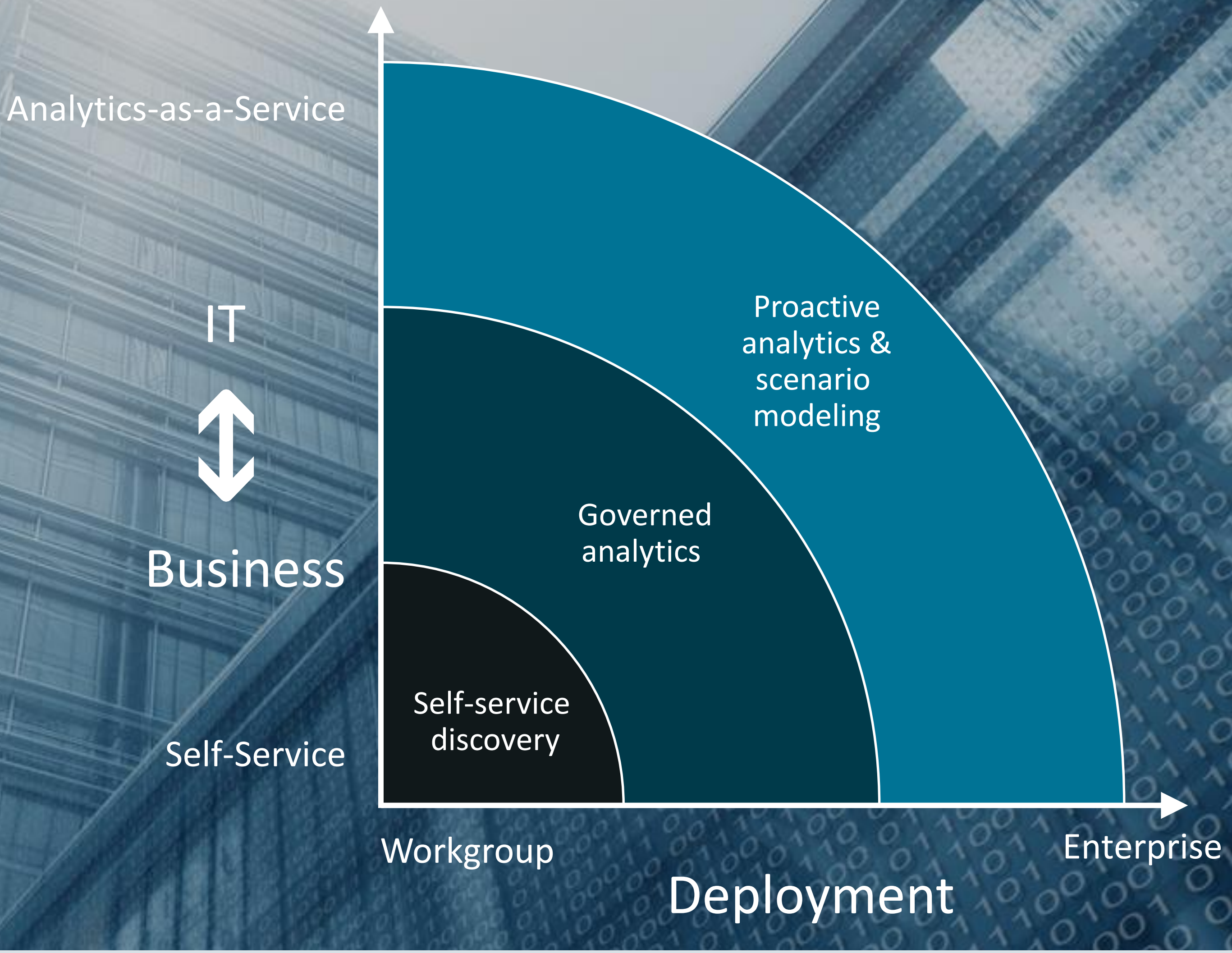
BUSINESS LEADERS

- Easy, timely, proactive business insights
- Empower to go beyond consuming others’ findings

DEVELOPERS

- Develop and deploy analytic applications for people to customize and personalize
- Embed analytics in any application context

Requirements of an Analytic Platform



Analytics-as-a-Service

IT

↕

Business

Self-Service

Self-service discovery

Governed analytics

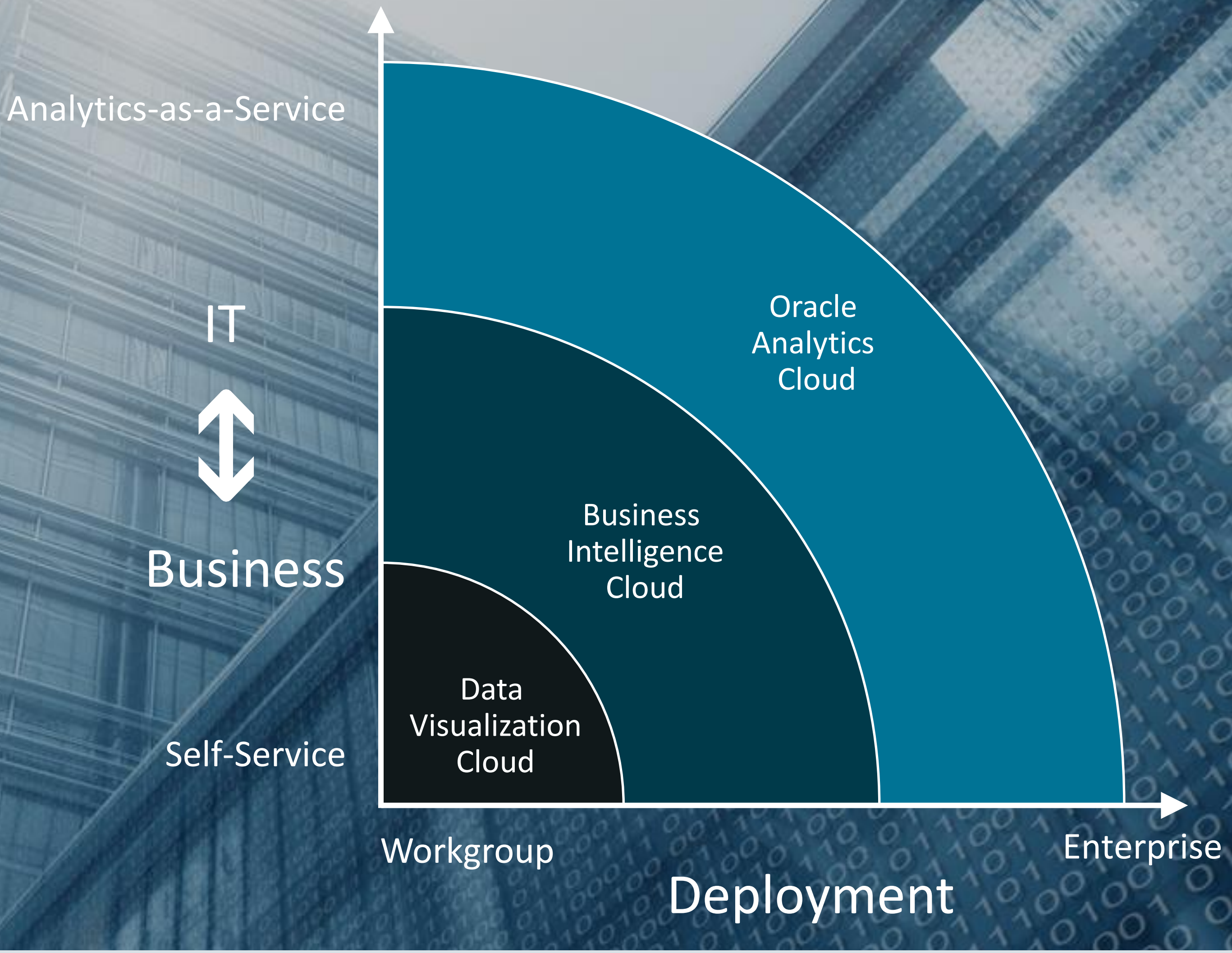
Proactive analytics & scenario modeling

Workgroup

Enterprise

Deployment

A Solution for Everyone



Analytics-as-a-Service

IT

↕

Business

Self-Service

Data Visualization Cloud

Business Intelligence Cloud

Oracle Analytics Cloud

Workgroup

Enterprise

Deployment

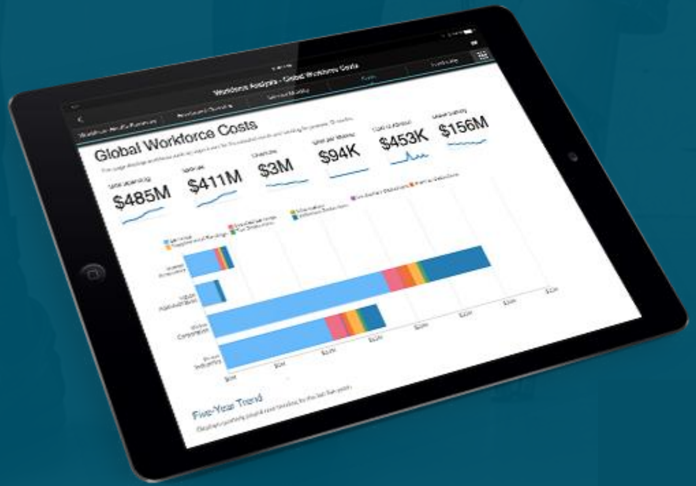
■ ■ Oracle-managed

■ Customer-managed

Oracle Analytics Cloud

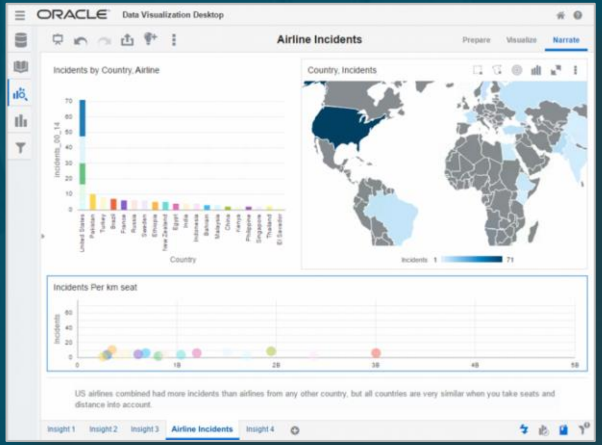
Business Analytics

A proven platform for creating powerful business intelligence applications, enabling users from the workgroup to the enterprise


Global Workforce Costs
$485M
$411M
$3M
$94K
$453K
$156M
Five-Year Trend

Data Visualization

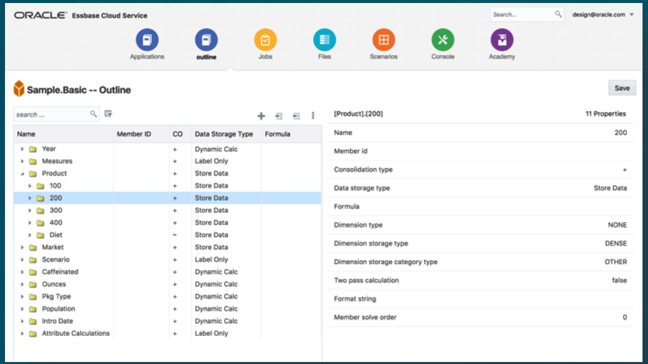
Get instant clarity with stunningly visual analysis and self-service discovery. Fast, fluid insights for the entire organization


ORACLE Data Visualization Desktop
Airline Incidents
Prepare
Visualize
Narrate
Incidents by Country, Airline
Incidents_00_14
70
60
50
40
30
20
10
0
United States
Pakistan
Turkey
Brazil
France
Russia
Sweden
Ethiopia
New Zealand
Egypt
India
Indonesia
Bahrain
Malaysia
China
Kenya
Philippine
Singapore
Thailand
El Salvador
Country
Country, Incidents
Incidents 1
71
Incidents Per km seat
Incidents
60
40
20
0
0
1B
2B
3B
4B
5B
Insight 1
Insight 2
Insight 3
Airline Incidents
Insight 4

US airlines combined had more incidents than airlines from any other country, but all countries are very similar when you take seats and distance into account.

Essbase

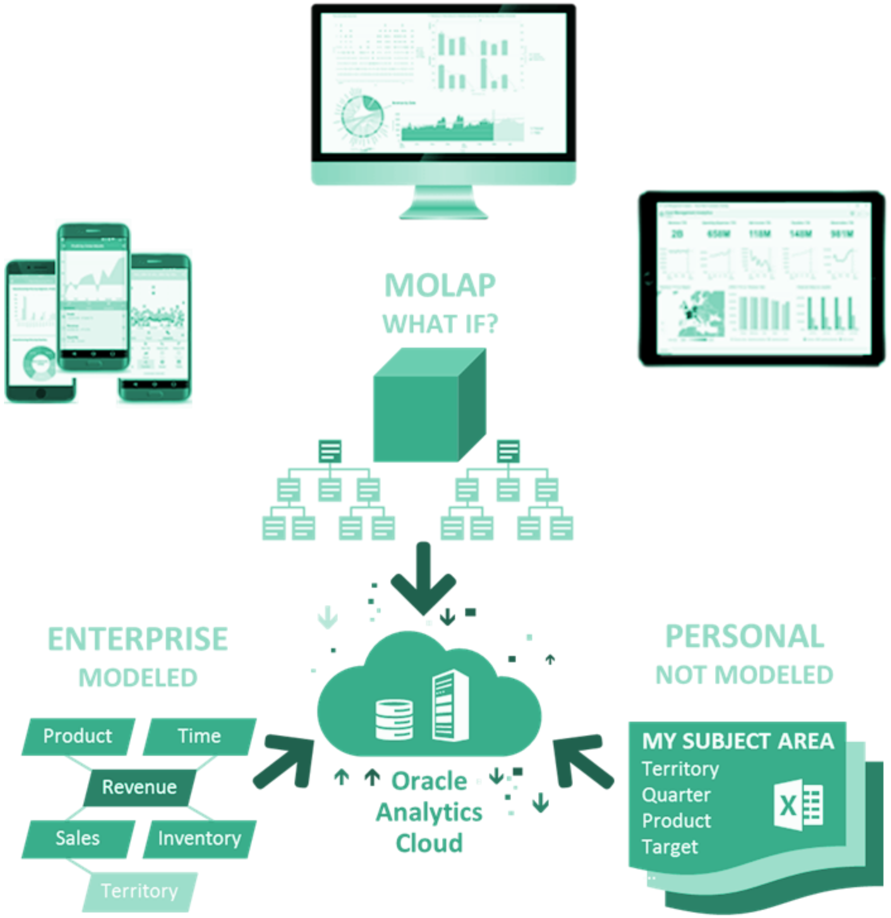
Flexible platform for the creation of departmental or enterprise-wide custom analytic applications and management reporting


ORACLE Essbase Cloud Service
Search...
design@oracle.com
Applications
outline
Jobs
Files
Scenarios
Console
Academy
Sample.Basic -- Outline
Save
search ...

Name	Member ID	CO	Data Storage Type	Formula
Year		+	Dynamic Calc	
Measures		+	Label Only	
Product		+	Store Data	
100		+	Store Data	
200		+	Store Data	
300		+	Store Data	
400		+	Store Data	
Diet		~	Store Data	
Market		+	Store Data	
Scenario		+	Label Only	
Caffeinated		+	Dynamic Calc	
Ounces		+	Dynamic Calc	
Pkg Type		+	Dynamic Calc	
Population		+	Dynamic Calc	
Intro Date		+	Dynamic Calc	
Attribute Calculations		+	Label Only	

[Product].[200]	11 Properties
Name	200
Member id	
Consolidation type	+
Data storage type	Store Data
Formula	
Dimension type	NONE
Dimension storage type	DENSE
Dimension storage category type	OTHER
Two pass calculation	false
Format string	
Member solve order	0

Oracle Analytics Cloud (OAC)


MOLAP
WHAT IF?
ENTERPRISE
MODELED
Product
Time
Revenue
Sales
Inventory
Territory
Oracle
Analytics
Cloud
PERSONAL
NOT MODELED
MY SUBJECT AREA
Territory
Quarter
Product
Target

- “All-in-One” Subscription
- Complete Functionality
- Customer Managed
- Easily Scalable
- Customizable
- Fully Accessible

Standard Edition

Data Visualization
+
Essbase (Standard Edition)

Enterprise Edition

Data Visualization
+
Modeling & Enterprise Reporting
+
Essbase (Enterprise Edition)

Includes Mobile, Client tools & Desktop

The Oracle Analytics Cloud powers your story with data.

Your Story (data)

COMPLETE

✓All capabilities
✓All roles
✓Any scale

CONNECTED

✓Right Data
✓Right Time

COLLABORATIVE

✓Modern way to work across teams

CHOICE

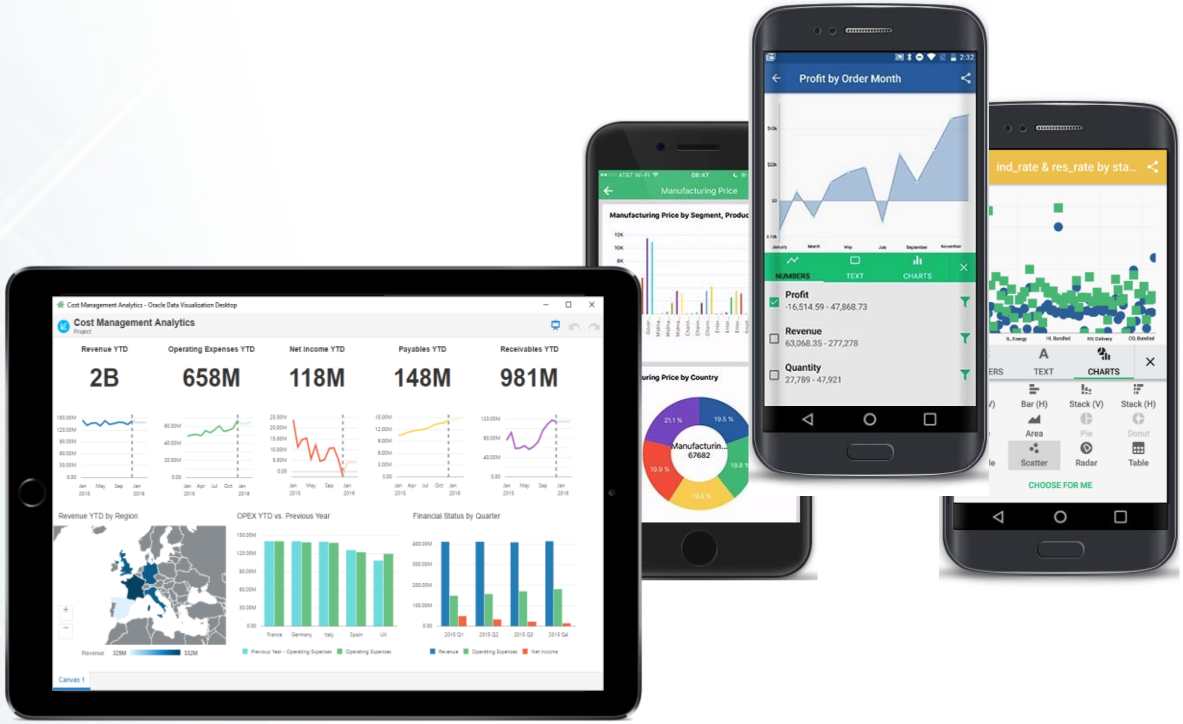
✓Flexibility of deployment
✓Balance between governance and freedom

ORACLE

Any Scale, From Personal to Enterprise

COMPLETE

- Self-service data discovery together with enterprise-class reporting and analytics
- Users don’t need help to go from spreadsheets to what-if scenarios and modeling
- Create operational analytics from centrally managed metrics


Cost Management Analytics
Revenue YTD
2B
Operating Expenses YTD
658M
Net Income YTD
118M
Payables YTD
148M
Receivables YTD
981M
Revenue YTD by Region
OPEX YTD vs. Previous Year
Financial Status by Quarter
Manufacturing Price
Manufacturing Price by Segment, Product
Profit by Order Month
NUMBERS
TEXT
CHARTS
Profit
-16,514.59 - 47,868.73
Revenue
63,068.35 - 277,278
Quantity
27,789 - 47,921
ind_rate & res_rate by sta...
Bar (H)
Stack (V)
Stack (H)
Area
Pie
Donut
Scatter
Radar
Table
CHOOSE FOR ME

Enhance All Data with Powerful Data Preparation

COMPLETE

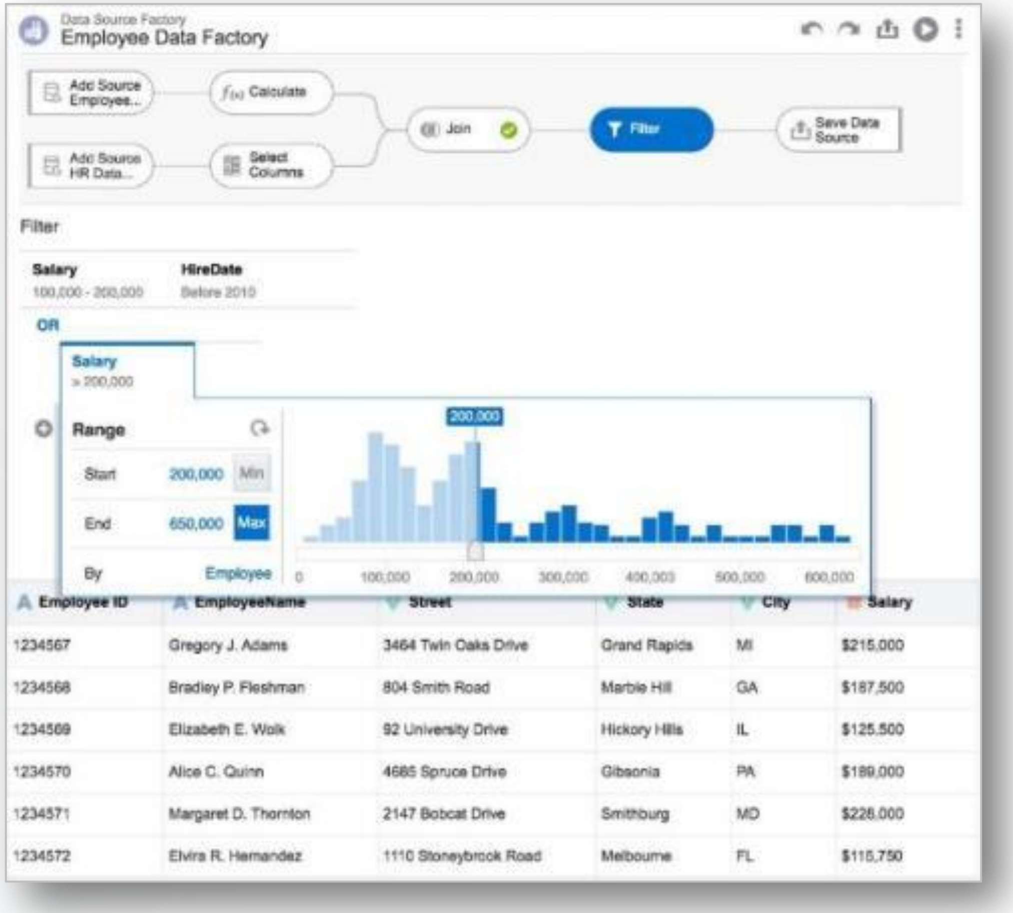
Accessible to non-technical Business Users

- Traceable business transformation
- Group values, join data sets, sub-select rows/columns, aggregate, calculated fields etc.
- Back-end SQL processing - function shipping via smart code generation, compensate with in-memory execution

Function extensibility via R and Python

Roadmap

- Full R and Python grammar for statistical, Machine Learning, textual models
- Reach-in to data sources' specific routines (e.g. Machine Learning in Spark, custom functions) while operating on a single data abstraction


Data Source Factory
Employee Data Factory
Add Source Employee...
Add Source HR Data...
Calculate
Select Columns
Join
Filter
Save Data Source
Filter
OR
Range
Min
Max
200,000
0
100,000
200,000
300,000
400,000
500,000
600,000

Salary
100,000 - 200,000

HireDate
Before 2010

Salary
> 200,000

Start 200,000

End 650,000

By Employee

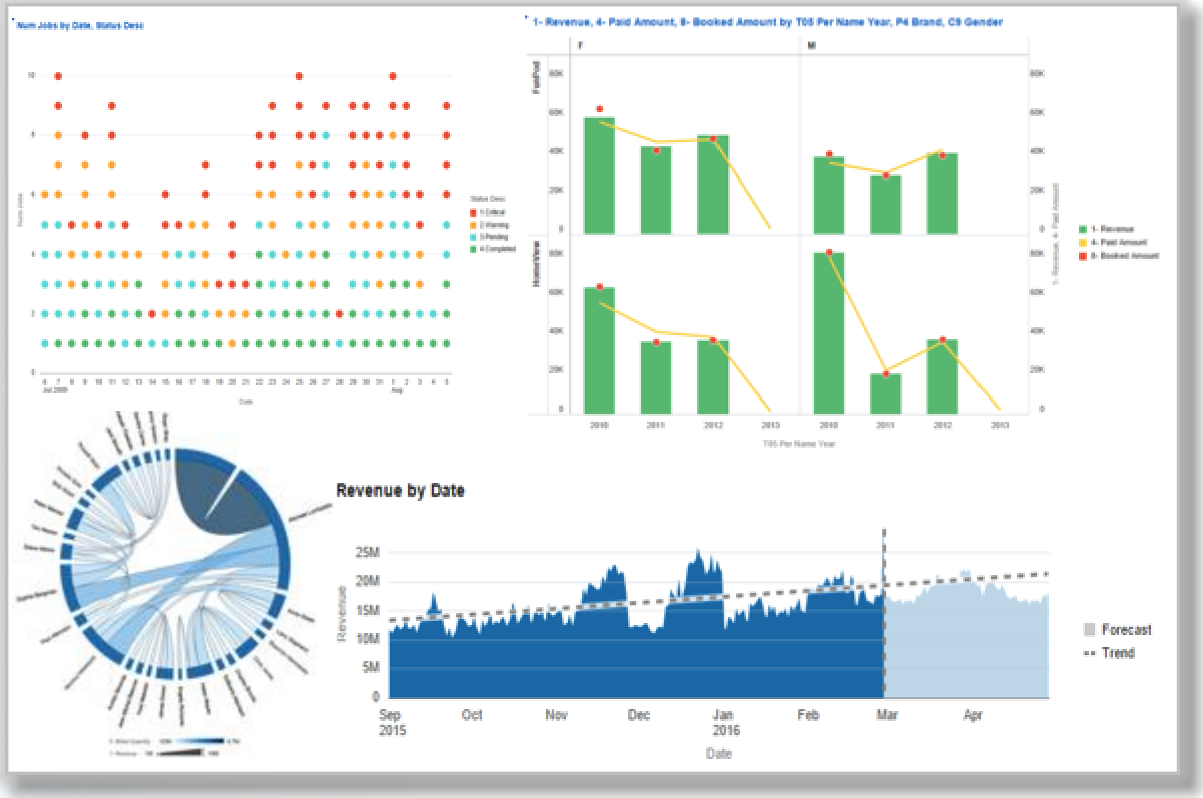
Employee ID	EmployeeName	Street	State	City	Salary
1234567	Gregory J. Adams	3464 Twin Oaks Drive	Grand Rapids	MI	$215,000
1234568	Bradley P. Fleshman	804 Smith Road	Marble Hill	GA	$187,500
1234569	Elizabeth E. Wolk	92 University Drive	Hickory Hills	IL	$125,500
1234570	Alice C. Quinn	4685 Spruce Drive	Gibsonia	PA	$189,000
1234571	Margaret D. Thornton	2147 Bobcat Drive	Smithburg	MD	$228,000
1234572	Elvira R. Hernandez	1110 Stoneybrook Road	Melbourne	FL	$115,750

Extensible, Grammar-Driven Visualization Palette

COMPLETE

Extensive Data Visualization Capabilities

- Rich palette of chart types with **35** built-in chart types, **20+** downloadable add one, **100's** of 3rd party options with D3 and Google Charts
- Trellising for every visualization
- Customizable global color palette
- Brushing – highlight correlations within data across visualizations, all auto-wired to work/update in unison, leveraging in-memory cache/execution layer
- One click access to common statistical functions – outliers, trend lines, forecasts for N periods, others
- Define every chart as a filter for interactive exploration


Num Jobs by Date, Status Desc
1- Revenue, 4- Paid Amount, 8- Booked Amount by T05 Per Name Year, P4 Brand, C9 Gender
F
M
2010
2011
2012
2013
T05 Per Name Year
1- Revenue
4- Paid Amount
8- Booked Amount
Revenue by Date
25M
20M
15M
10M
5M
0
Revenue
Sep 2015
Oct
Nov
Dec
Jan 2016
Feb
Mar
Apr
Date
Forecast
Trend

Ask Your Data Questions

COMPLETE

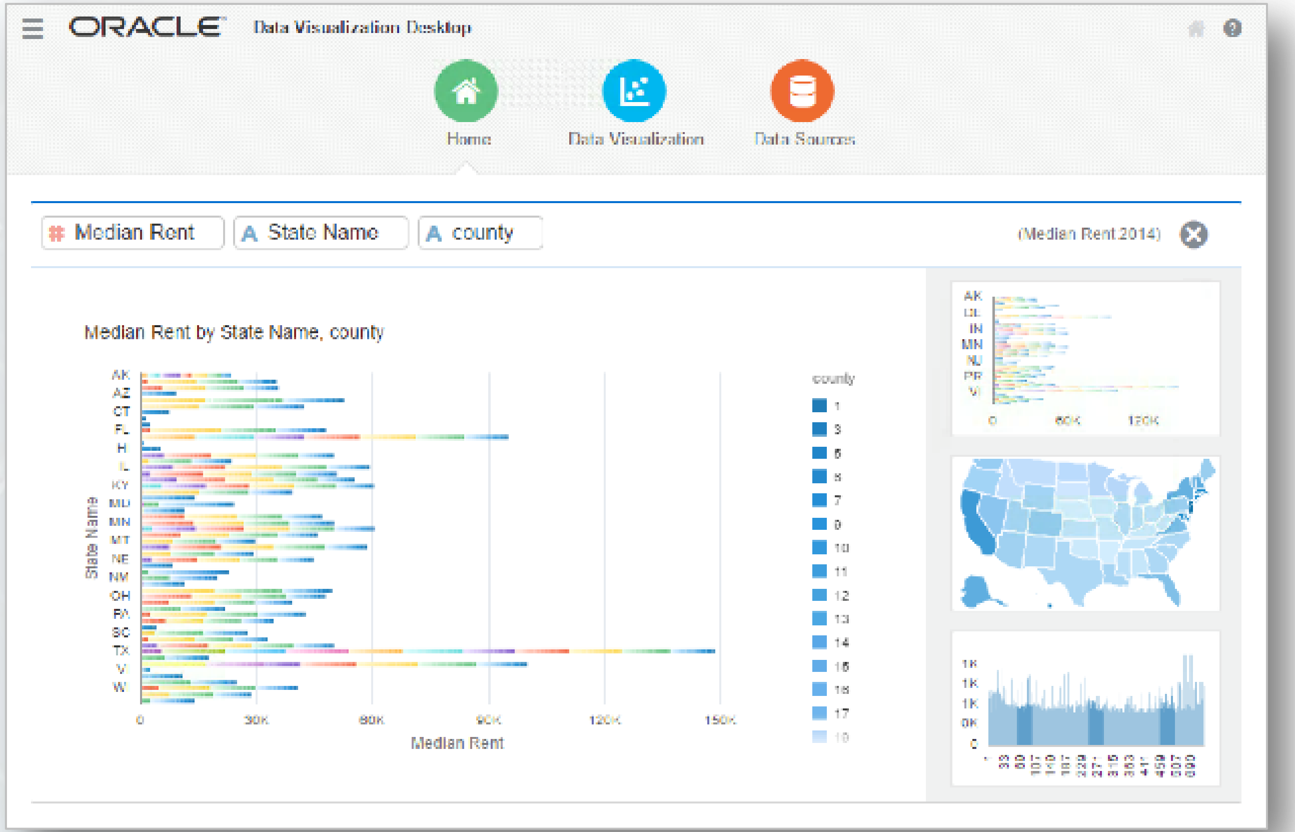
Powerful, intuitive keyword search with BI Ask

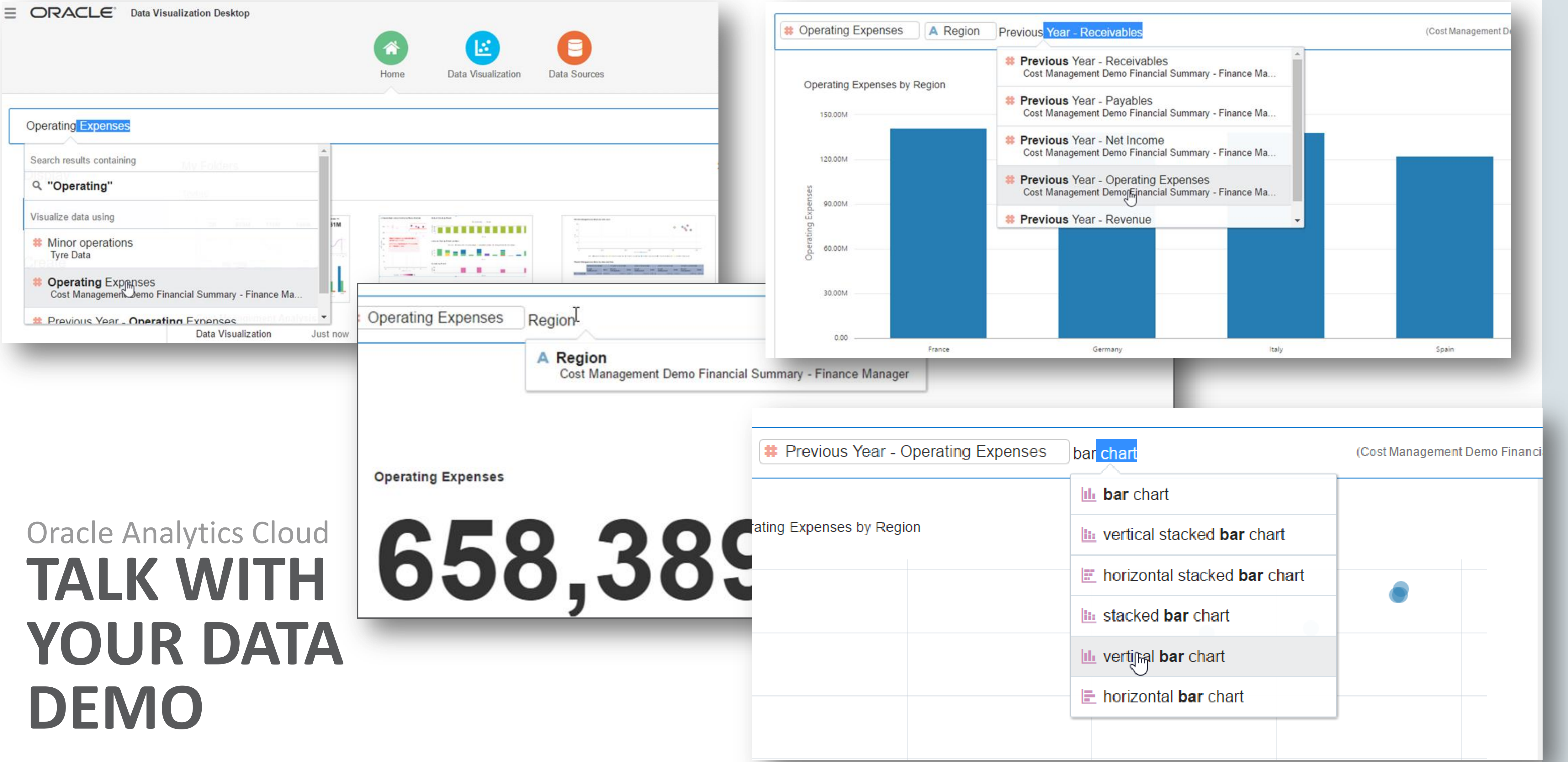
- Voice-enabled
- Interprets semantic layer, user private data, expression library and catalog artifacts
- Fuzzy match, stemming, natural language processing
- Generates on-the-fly queries - visualizations are auto-created while user types

NLP Across the platform

Roadmap

- Enhance current keyword/token based enterprise voice enabled search with the following natural language processing tasks
    - Sentence segmentation
    - Deep analytics
    - Named entity extraction
    - Co-reference resolution


ORACLE
Data Visualization Desktop
Home
Data Visualization
Data Sources
Median Rent
State Name
county
(Median Rent 2014)
Median Rent by State Name, county
State Name
Median Rent
0
30K
60K
90K
120K
150K
county


ORACLE Data Visualization Desktop
Home
Data Visualization
Data Sources
Operating Expenses
Search results containing
"Operating"
Visualize data using
Minor operations
Tyre Data
Operating Expenses
Cost Management Demo Financial Summary - Finance Ma...
Previous Year - Operating Expenses
Data Visualization
Just now
Operating Expenses
Region
Region
Cost Management Demo Financial Summary - Finance Manager
Operating Expenses
658,389
Operating Expenses
Region
Previous Year - Receivables
(Cost Management D
Previous Year - Receivables
Cost Management Demo Financial Summary - Finance Ma...
Previous Year - Payables
Cost Management Demo Financial Summary - Finance Ma...
Previous Year - Net Income
Cost Management Demo Financial Summary - Finance Ma...
Previous Year - Operating Expenses
Cost Management Demo Financial Summary - Finance Ma...
Previous Year - Revenue
Operating Expenses by Region
Operating Expenses
150.00M
120.00M
90.00M
60.00M
30.00M
0.00
France
Germany
Italy
Spain
Previous Year - Operating Expenses
bar chart
(Cost Management Demo Financi
ating Expenses by Region
bar chart
vertical stacked bar chart
horizontal stacked bar chart
stacked bar chart
vertical bar chart
horizontal bar chart

Oracle Analytics Cloud

TALK WITH YOUR DATA DEMO

The Right Data From Any Source

CONNECTED

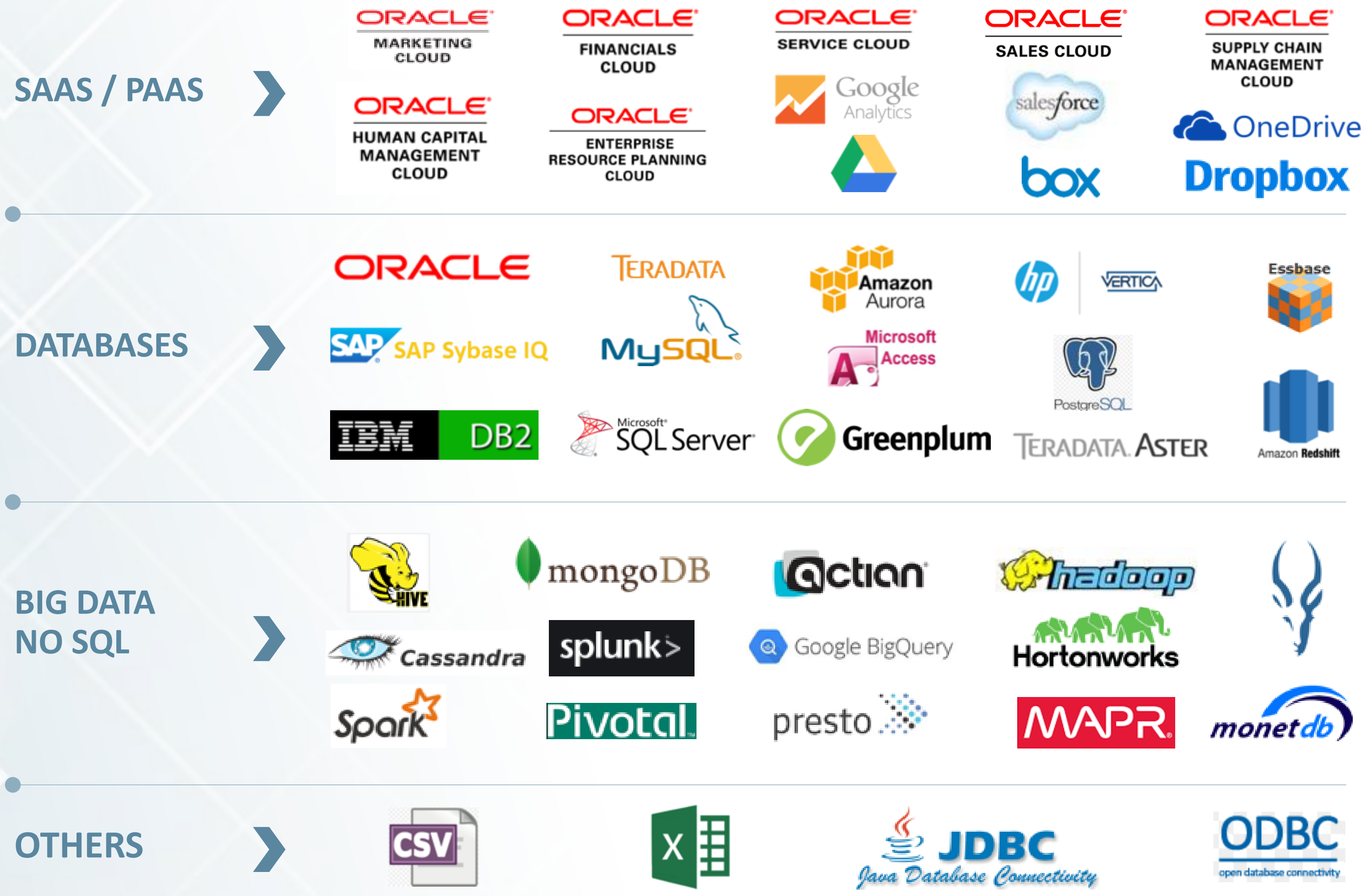
Easy access to a variety of data sources

- **40+** different data sources
- Few clicks to setup and use
- Will expand coverage to enable access to every industry-specific source via native connectors or developer community

New Data Sources

Roadmap

- **80+** data source by the end of the year
- Essbase, PBCS, Big Data CS, Oracle Service, Dropbox, Google Analytics, Google Drive
- Oracle Talent Management Cloud (Taleo), Oracle Doc Service, Oracle Marketing Cloud (Eloqua), Odata, Sharepoint


SAAS / PAAS
ORACLE MARKETING CLOUD
ORACLE FINANCIALS CLOUD
ORACLE SERVICE CLOUD
ORACLE SALES CLOUD
ORACLE SUPPLY CHAIN MANAGEMENT CLOUD
ORACLE HUMAN CAPITAL MANAGEMENT CLOUD
ORACLE ENTERPRISE RESOURCE PLANNING CLOUD
Google Analytics
salesforce
OneDrive
box
Dropbox
DATABASES
ORACLE
TERADATA
Amazon Aurora
hp
VERTICA
Essbase
SAP SAP Sybase IQ
MySQL
Microsoft Access
PostgreSQL
IBM DB2
Microsoft SQL Server
Greenplum
TERADATA ASTER
Amazon Redshift
BIG DATA NO SQL
HIVE
mongoDB
actian
hadoop
Cassandra
splunk>
Google BigQuery
Hortonworks
Spark
Pivotal
presto
MAPR
monetdb
OTHERS
CSV
X
JDBC Java Database Connectivity
ODBC open database connectivity

ORACLE

Role-Based Visualization Content Packs

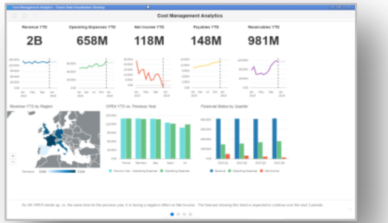
CONNECTED

Pre-built data visualization content

- Included with Oracle Data Visualization Platform
- Extends OTBI insights with pre-built data visualization sample content
- Targets specific line-of-business personas
- Identifies difficult-to-spot business opportunities, innovations and patterns
- Blends data across business functions, lines of business and applications
- Quick ad-hoc exploration of OTBI and other data with intuitive business user interface
- Near real-time access to data from OTBI and other Oracle application sources

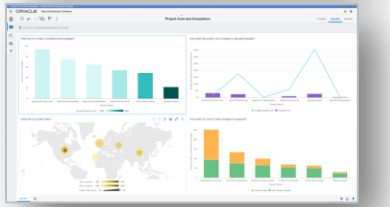
Finance Manager

- Revenue Overview
- Revenue and Headcount Analysis
- Cost Management


Cost Management Analytics
2B
658M
118M
148M
981M

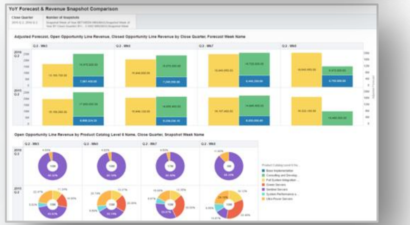
Project Manager

- Campaign performance
- Campaign cost



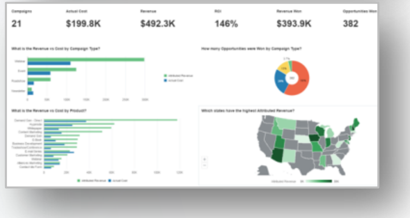
Sales VP

- Top deals in Play
- Sales review
- Pipeline trend
- Revenue trend


YoY Forecast & Revenue Snapshot Comparison

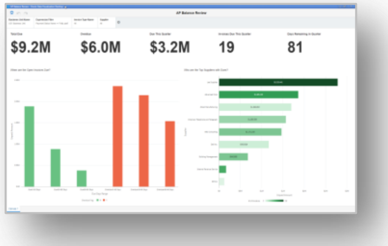
Marketing Analyst

- Campaign performance
- Campaign cost


21
$199.8K
$492.3K
146%
$393.9K
382

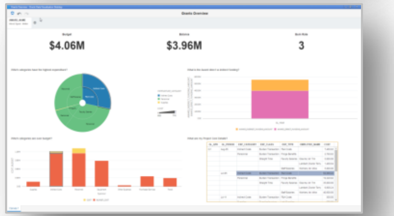
Payables Manager

- AP Balances
- AP Holds
- AP Overdues


$9.2M
$6.0M
$3.2M
19
81

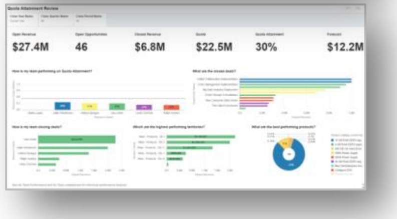
Grants Manager

- Budget vs. Actual
- Award Cost Details
- Award Encumbrance Details



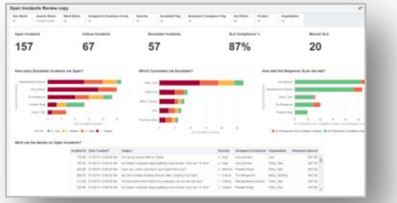
Sales Manager

- Team performance
- Quota attainment
- Pipeline review
- Demand generation


$27.4M
46
$6.8M
$22.5M
30%
$12.2M

Service Manager

- Open incidents
- Closed incidents
- Team performance


157
67
57
87%
20

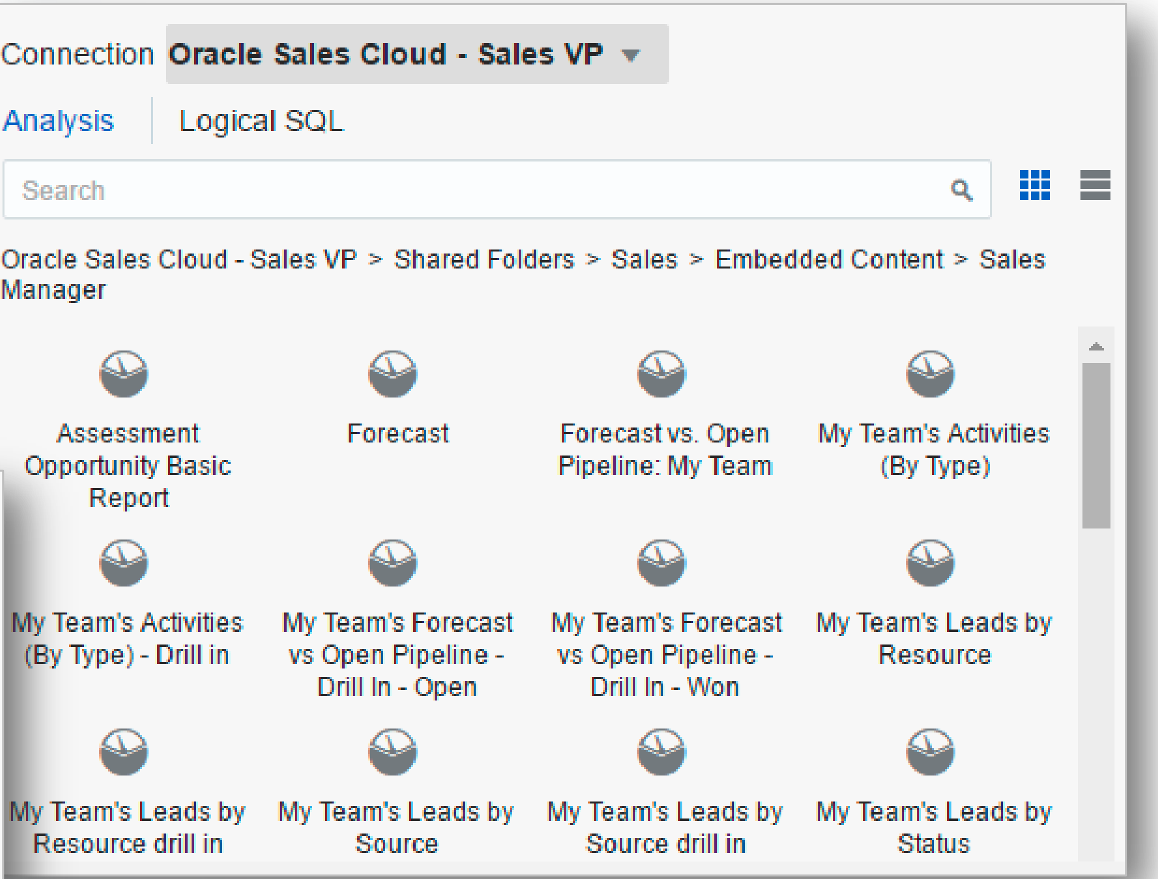
ORACLE

Smart Connectors to Role-Based Business Content

CONNECTED

No re-work required for Oracle SaaS Applications

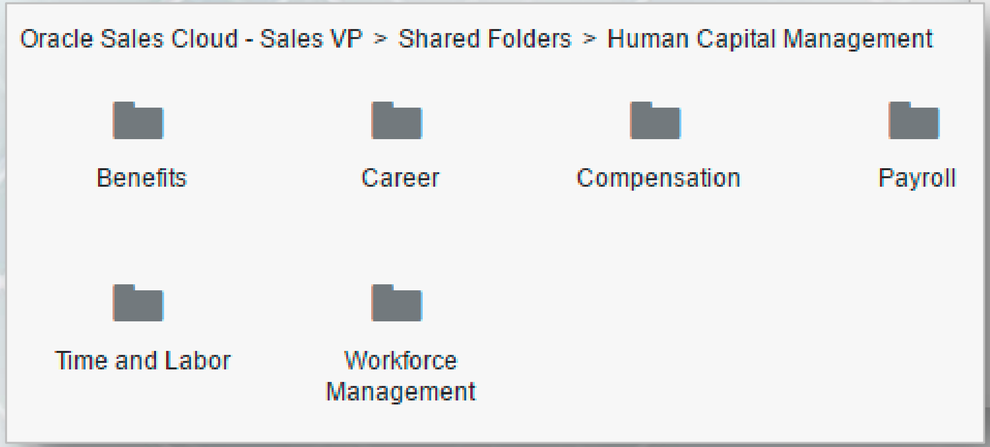
- Access to business entities, not just tables and columns
- Respects security, business rules, and governance on source systems
- Browse and select thousands of packaged views as data sources
- Leverage calculations and business logic in reports



Connection **Oracle Sales Cloud - Sales VP** ▾

Oracle Sales Cloud - Sales VP > Shared Folders > Sales > Embedded Content > Sales Manager

- Assessment Opportunity Basic Report
- Forecast
- Forecast vs. Open Pipeline: My Team
- My Team's Activities (By Type)
- My Team's Activities (By Type) - Drill in
- My Team's Forecast vs Open Pipeline - Drill In - Open
- My Team's Forecast vs Open Pipeline - Drill In - Won
- My Team's Leads by Resource
- My Team's Leads by Resource drill in
- My Team's Leads by Source
- My Team's Leads by Source drill in
- My Team's Leads by Status



Oracle Sales Cloud - Sales VP > Shared Folders > Human Capital Management

- Benefits
- Career
- Compensation
- Payroll
- Time and Labor
- Workforce Management

Easily Extensible and Embeddable

COLLABORATIVE

Visualization SDK (JAVA)

- Develop custom visualizations
- 100% functional, LCM parity with native visualizations

Function extensibility (R, Python)

- Extend the expression library with custom functions (e.g., stats, machine learning or textual functions)

Data source extensibility (JAVA)

- Add data connectors to non-native sources

Seamless UI embedding (Java Script)

Roadmap

- Context propagation, skinning flexibility, seamless bi-directional navigation, well-defined REST endpoints

REST APIs

Roadmap

- Use the Oracle Analytics Cloud as an Analytics platform

Oracle Analytics is embedded in millions of users' day-day experiences

- Oracle HR SaaS: Oracle Talent Cloud, Oracle CX SaaS: Oracle ERP SaaS and Oracle SCM Cloud

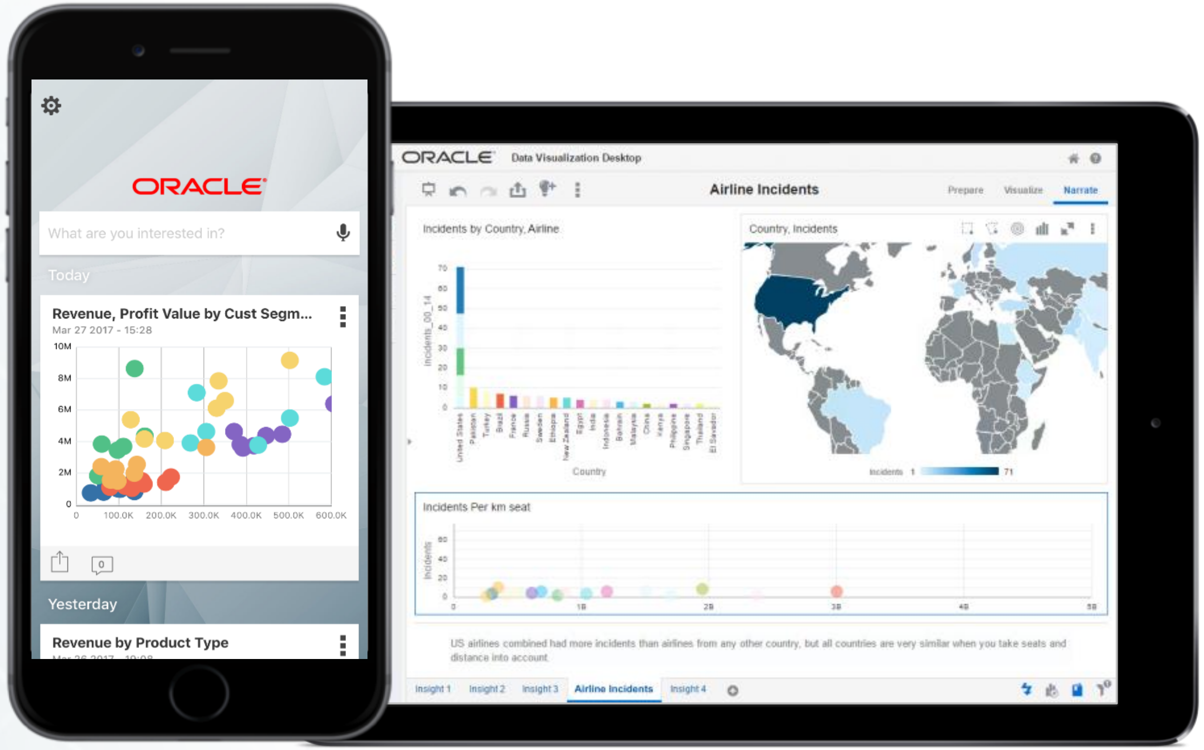
VISION
Talent 9 Box
Performance Review
Workforce Stability
Sales Summary
ucf1-fap1774-crm.oracledemos.com
Win/Loss
Stalled Deals
Open Pipeline
Leads
Quota vs. Won
Top Customers

ORACLE

Analytics That Are Modern, Mobile, Social

COLLABORATIVE

- Proactive analytics deliver self-learning insights and recommendations to you and your crew
- Interactive stories illustrate insights, increasing collective understanding and expertise
- Search and voice-driven analysis power a modern mobile experience


ORACLE
What are you interested in?
Today
Revenue, Profit Value by Cust Segm...
Mar 27 2017 - 15:28
10M
8M
6M
4M
2M
0
0
100.0K
200.0K
300.0K
400.0K
500.0K
600.0K
0
Yesterday
Revenue by Product Type
ORACLE
Data Visualization Desktop
Airline Incidents
Prepare
Visualize
Narrate
Incidents by Country, Airline
Country
Country, Incidents
Incidents
1
71
Incidents Per km seat
Incidents
0
1B
2B
3B
4B
5B
Insight 1
Insight 2
Insight 3
Airline Incidents
Insight 4

US airlines combined had more incidents than airlines from any other country, but all countries are very similar when you take seats and distance into account.

Build Collective Intelligence, Consumer Style

COLLABORATIVE

Day-By Day: Anticipates needs through self-learning

- Infuse data-based insights into daily activities
- Use your device's voice capabilities to obtain answers
- Anticipate what users need and deliver appropriate information to help them make better informed decisions throughout the day

Synopsis: Process any Excel/CSV file on mobile devices

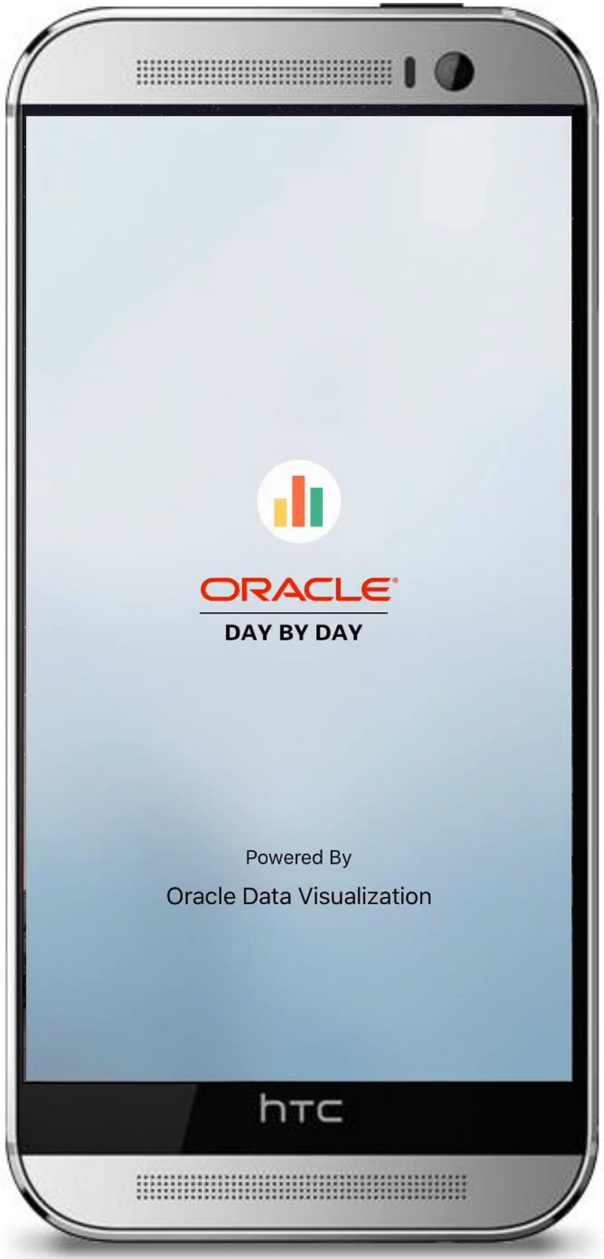
- Data on the device is automatically turned into visual representations that the user can modify
- 100% on device analytics – no connection required
- Native device interactions with the ability to handle large data sets in visualizations

My Feed
Revenue by Office
Revenue by Product Type
Revenue by Brand, Office
Revenue by Billed Quantity
Revenue
Billed Quantity
Q3 Earnings Report Loop
Last Updated 03/25/2015
Back to Dropbox
12:39
Profit
Profit by Category
70000
60000
50000
40000
30000
20000
10000
0
Chairs
Speakers
Mail Supplies
Kitchen
Profit
Profit by Region
East
Central
South
West

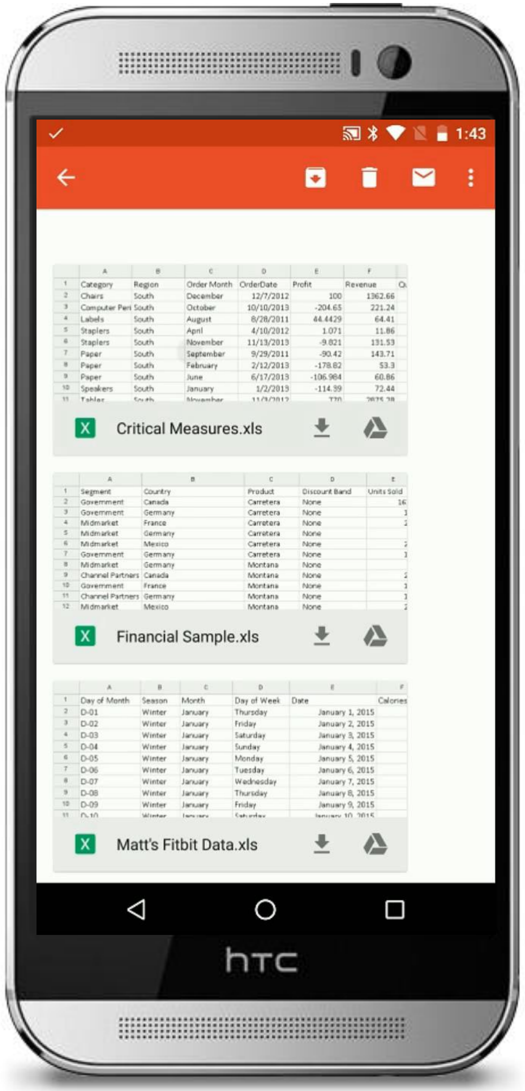
Q: Why did Billed Quantity for Eastern Division decline in the second half of Q3?

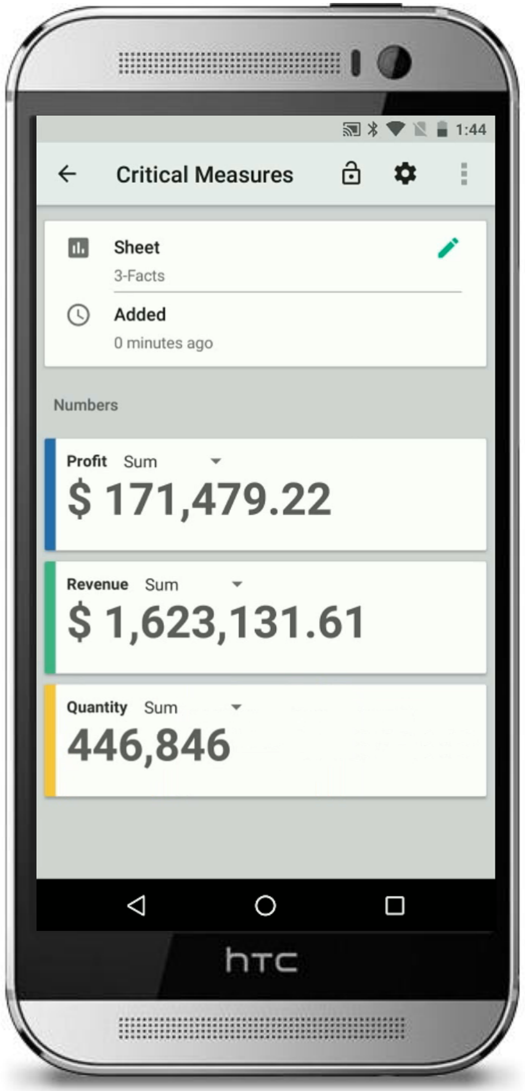
Oracle Analytics Cloud

USE YOUR DATA “CONSUMER-STYLE” DEMO Day by Day


ORACLE
DAY BY DAY
Powered By
Oracle Data Visualization
htc

ORACLE


1:43
Critical Measures.xls
Financial Sample.xls
Matt's Fitbit Data.xls
htc


1:44
Critical Measures
htc

Sheet
3-Facts

Added
0 minutes ago

Numbers

Profit Sum
$ 171,479.22

Revenue Sum
$ 1,623,131.61

Quantity Sum
446,846

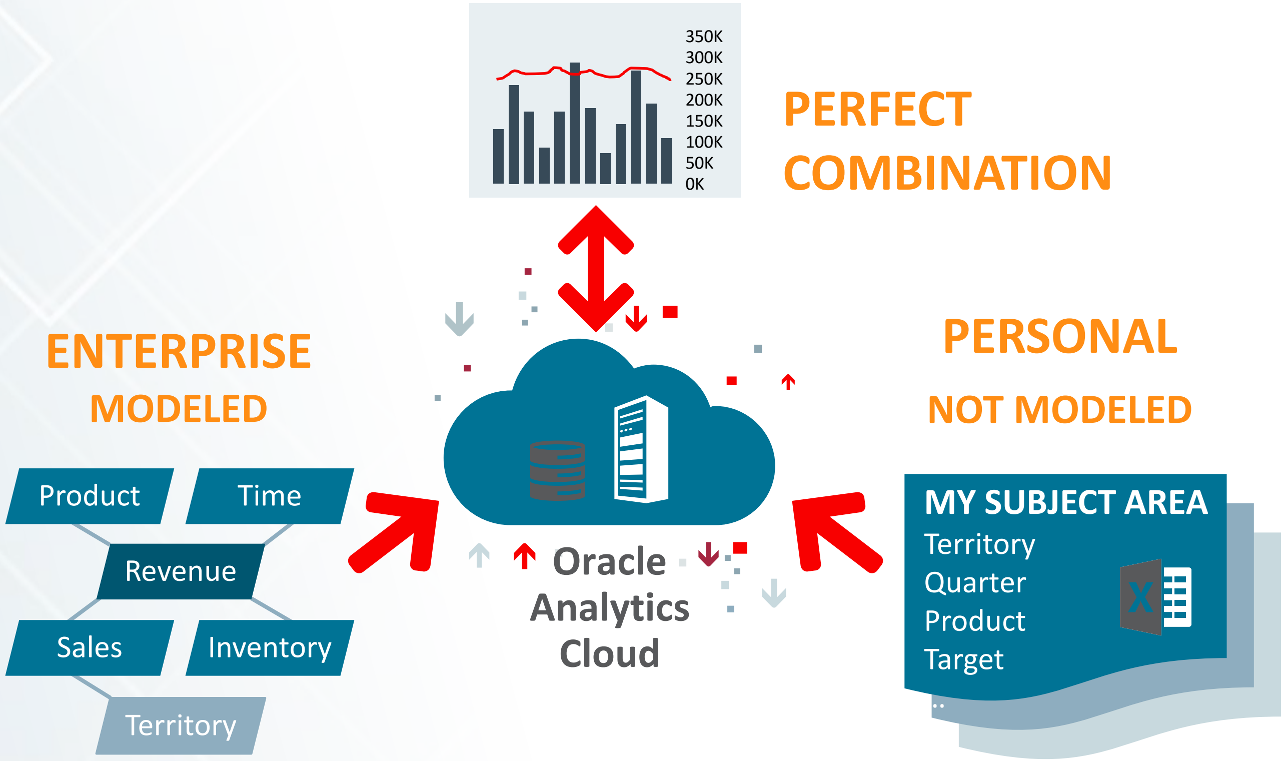
Oracle Analytics Cloud

USE YOUR DATA “CONSUMER-STYLE” DEMO Synopsis

Business Freedom and Data Governance

CHOICE

- Balance user autonomy and governance
- Combine all relevant information from any data source, managed and self-service
- Stay productive with intelligently optimized queries



PERFECT COMBINATION

ENTERPRISE

MODELED

Product
Time
Revenue
Sales
Inventory
Territory

Oracle Analytics Cloud

PERSONAL

NOT MODELED

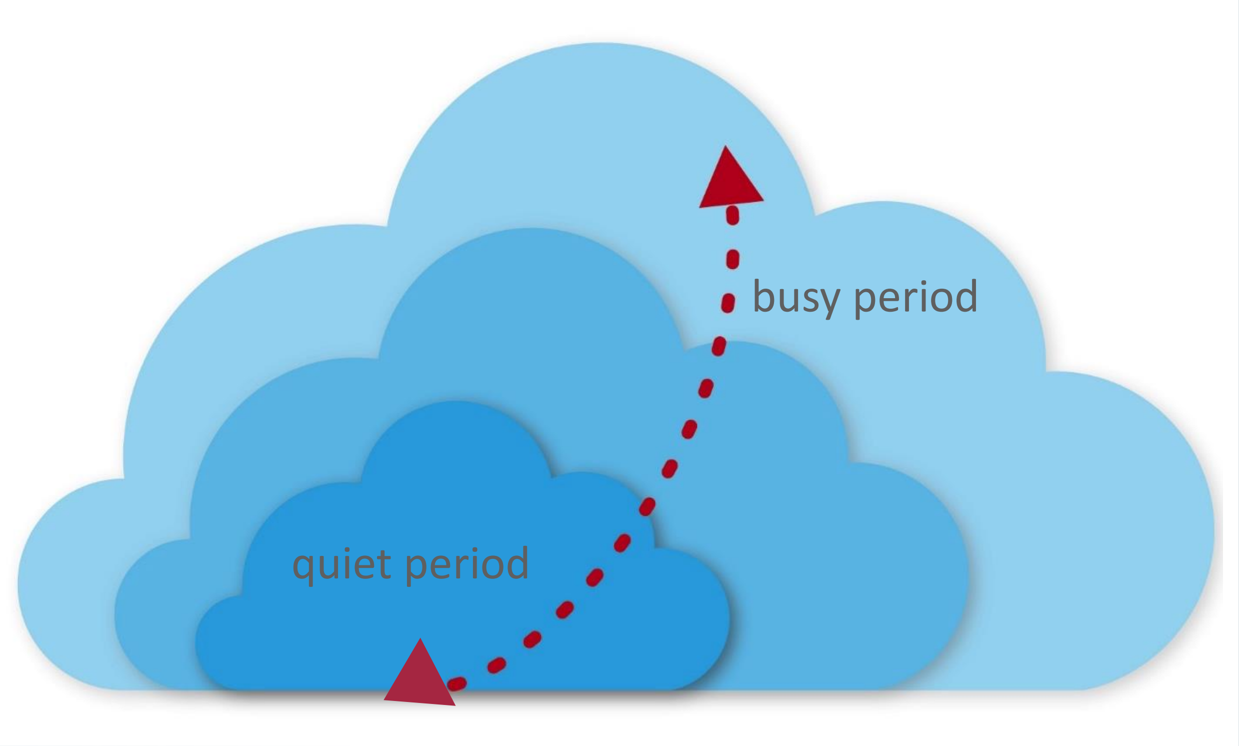
MY SUBJECT AREA
Territory
Quarter
Product
Target
..

Elastic Resources for Busy Periods

CHOICE

Customer managed resources

- Take control of resources requirements without the need of Oracle interference
- Increase analytics resources to handle busy periods
- Reduce analytics resources during quiet times for cost savings
- Never again have slow analytics response times during your business critical periods

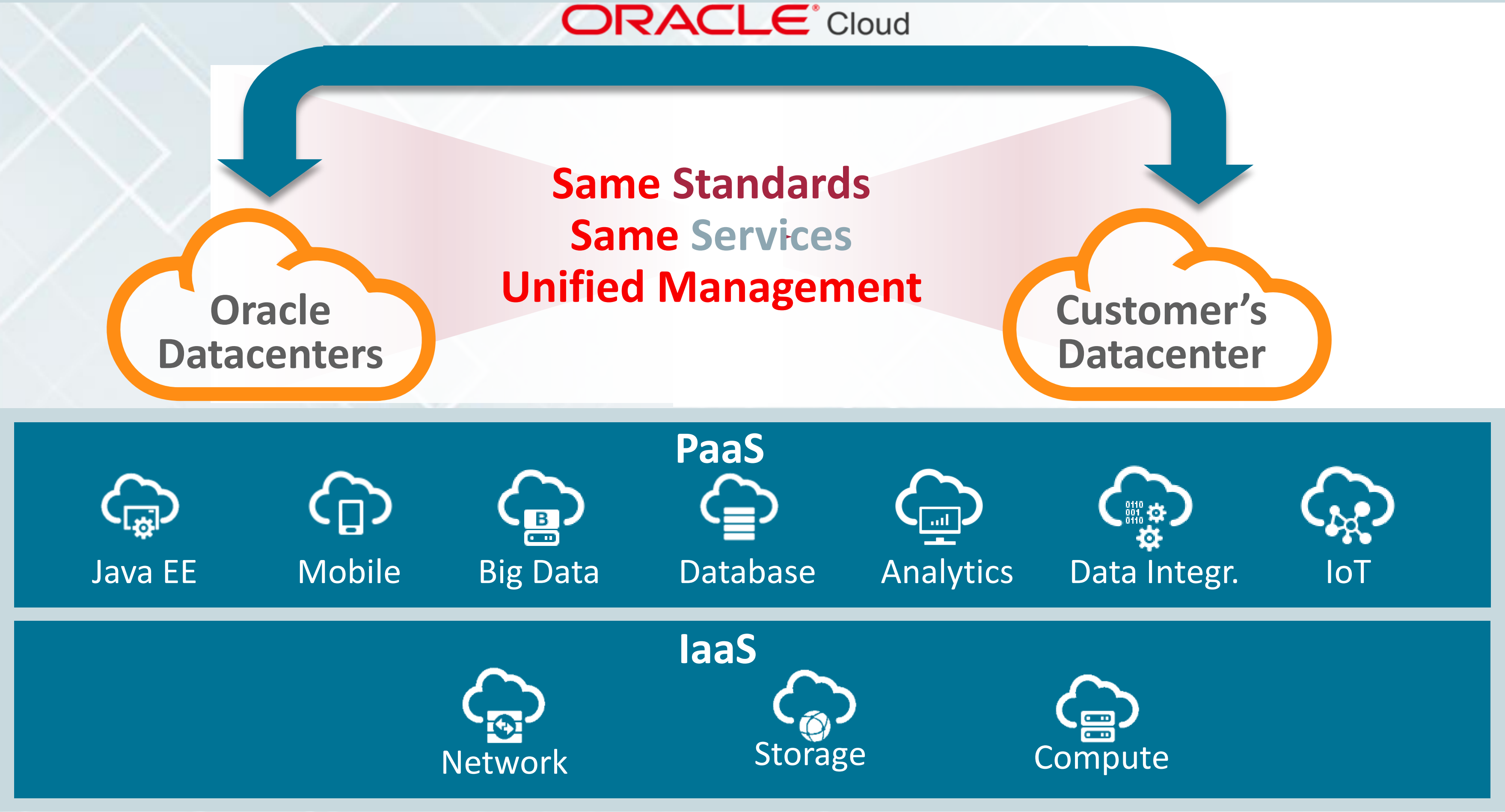


ORACLE®

Oracle Cloud Machine

Complete deployment choice

CHOICE



ORACLE Cloud

Same Standards
Same Services
Unified Management

Oracle Datacenters

Customer's Datacenter

PaaS

Java EE
Mobile
Big Data
Database
Analytics
Data Integr.
IoT

IaaS

Network
Storage
Compute

- Oracle Cloud operated and **delivered as a service** behind your firewall
- **Same** PaaS and IaaS software, same updates as Oracle Cloud
- Same cost-effective **subscription** pricing model as Oracle Cloud
- Conforms to regulatory, privacy, legal, and business requirements

ORACLE

ANALYTICS CLOUD

Technical Overview

ORACLE

Essbase in the Cloud

Iterative Scenario Analysis

- Modernized architecture for cloud
- Personal to enterprise business modeling
- Sandbox for scenario analysis/what-if
- Next generation Excel integration includes cube design, dimension modeling and KPI’s
- Wide-range of business modeling and management reporting applications
- Integration with Data Visualization Cloud Service

Enterprise vs Standard

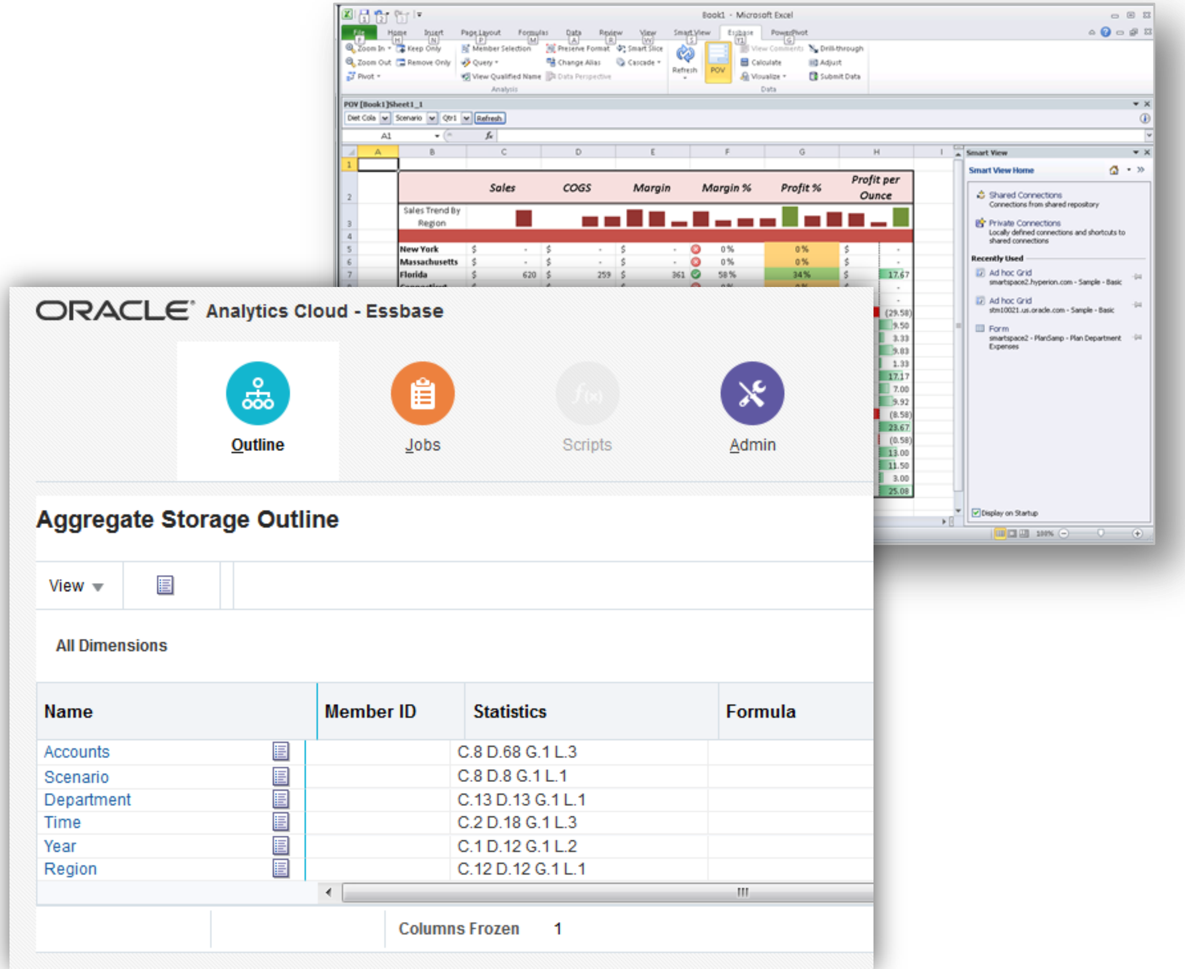
Enterprise Capabilities Include

Sandboxing

Partitions to sources outside of the compute

Drill Thru Capabilities (not in v1)

Additional differentiators will be introduced in upcoming releases



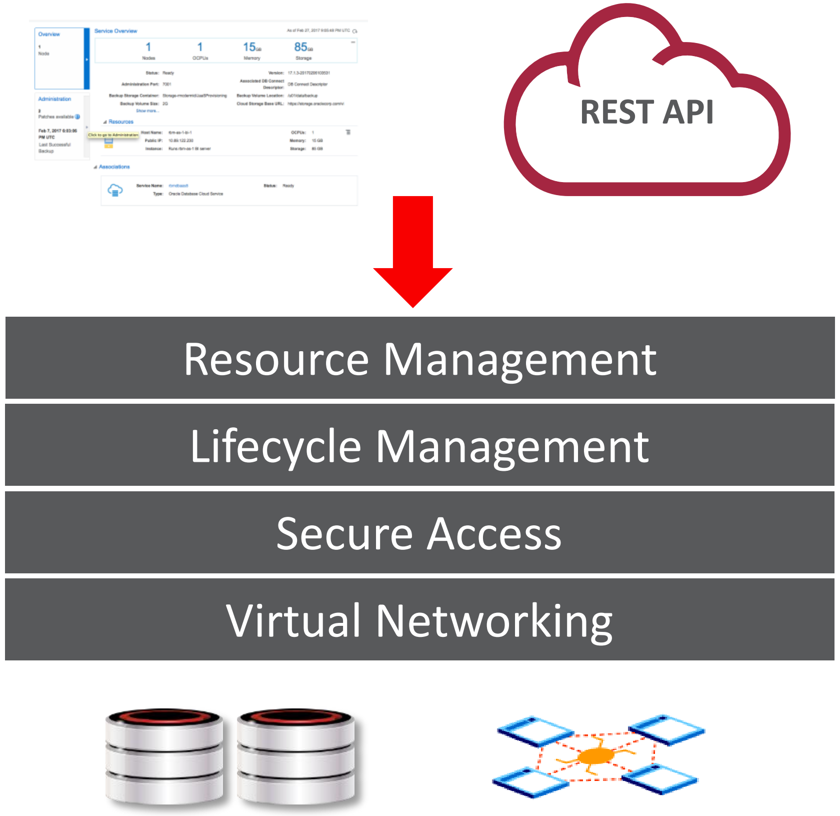
Aggregate Storage Outline

All Dimensions

Name	Member ID	Statistics	Formula
Accounts		C.8 D.68 G.1 L.3	
Scenario		C.8 D.8 G.1 L.1	
Department		C.13 D.13 G.1 L.1	
Time		C.2 D.18 G.1 L.3	
Year		C.1 D.12 G.1 L.2	
Region		C.12 D.12 G.1 L.1	

Columns Frozen 1

Analytics Cloud: Built on Oracle Compute


REST API

Resource Management

Lifecycle Management

Secure Access

Virtual Networking

Key Features

- **Resource Management**: Run any application at scale with consistency
- **Lifecycle Management**: Provision and manage service environments through a UI or Script via REST API
- **Secure Access**: Security Groups and Access Control to secure network access, SSH access to the VM
- **Virtual Network**: Range of networking options to enable private and faster connections

Benefits

- Predictable Performance
- Speed Innovation & Agility
- Co-Existence & Seamless Migration

How is Analytics Cloud different from existing services

	BICS & DVCS today	Analytics Cloud
Automatic backup	Oracle	Customer
Service monitoring	Oracle	Customer
Patching/upgrade	Oracle schedules and performs patching	Customer patches at will using a single click or a command
CPU & Memory	Oracle decides resources to allocate based on usage	Customer can decide CPUs and Memory and pay for what they allocate
Server access and config.	Customer cannot access server or change config not exposed in UI	Customer can SSH into the server to change config (may complicate patching/upgrade)
Network and security config.	Limited config supported	Full control on network access including VPN configuration
Database dependence	BICS requires purchase of Schema service BIS50	Customer needs to provide at least 1 OCPU DBaaS Standard instance ($300/month)
IaaS dependence	No IaaS required	Requires customers to purchase some IaaS for network and storage - $30/TB/month, $0.02/GB/month

ORACLE

OAC Supported Compute Shapes

OAC Supported Compute Shapes:

Shape	OCPU / Memory
OC3	1 / 7.5
OC4	2 / 15
OC5	4 / 30
OC6	8 / 60
OC7	16 /120
OC1M	1 / 15
OC2M	2 / 30
OC3M	4 / 60
OC4M	8 /120
OC5M	16 /240

An OCPU provides CPU capacity equivalent of one physical core of an Intel Xeon processor with hyper threading enabled. Each OCPU corresponds to two hardware execution threads, known as vCPUs.

OAC Service Dependencies

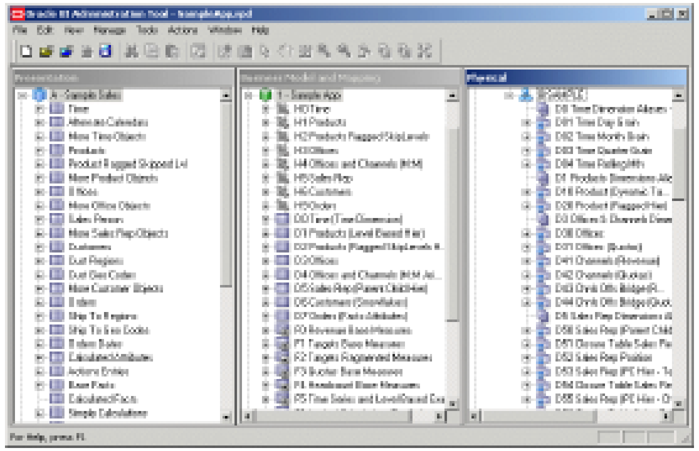
Oracle DB Cloud Service
=> System Schema (RCU)

Oracle Compute Block Storage
=> Binaries, Logs, etc

Oracle Storage Cloud (Object Storage)
=> Backups, DV Datasets

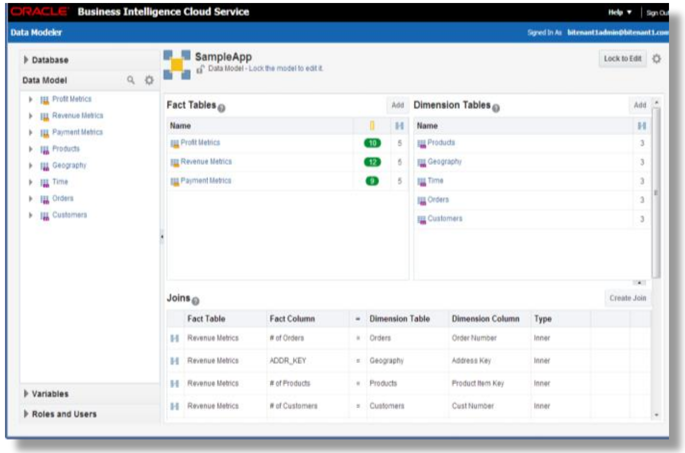
Data Modeling

OBIEE Admin Tool



Lift and Shift from On-Prem
Access non-DBaaS Sources
Advanced Model Development
On-line Access Supported

Cloud Data Modeler


ORACLE Business Intelligence Cloud Service
Help
Sign Out
Data Modeler
Signed In As bitenant1admin@bitenant1.com
Database
Data Model
Profit Metrics
Revenue Metrics
Payment Metrics
Products
Geography
Time
Orders
Customers
Variables
Roles and Users
SampleApp
Data Model - Lock the model to edit it.
Lock to Edit
Add
Add
Create Join

Fact Tables

Name		
Profit Metrics	10	5
Revenue Metrics	12	5
Payment Metrics	9	5

Dimension Tables

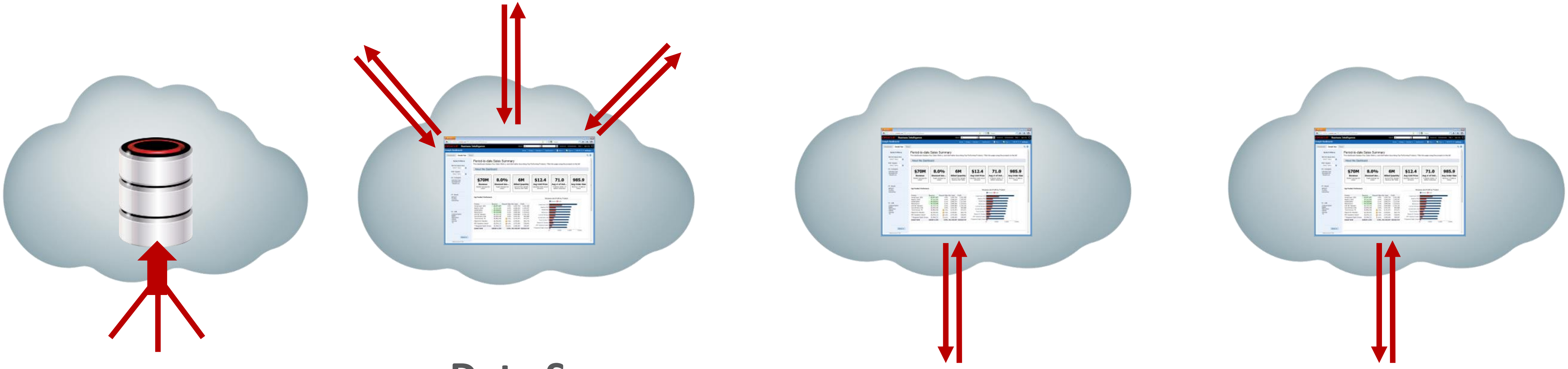
Name	
Products	3
Geography	3
Time	3
Orders	3
Customers	3

Joins

Fact Table	Fact Column	=	Dimension Table	Dimension Column	Type
Revenue Metrics	# of Orders	=	Orders	Order Number	Inner
Revenue Metrics	ADDR_KEY	=	Geography	Address Key	Inner
Revenue Metrics	# of Products	=	Products	Product Item Key	Inner
Revenue Metrics	# of Customers	=	Customers	Cust Number	Inner

Lightweight Modeling on
DBaaS Sources for Power-Users

Data Integration and Access



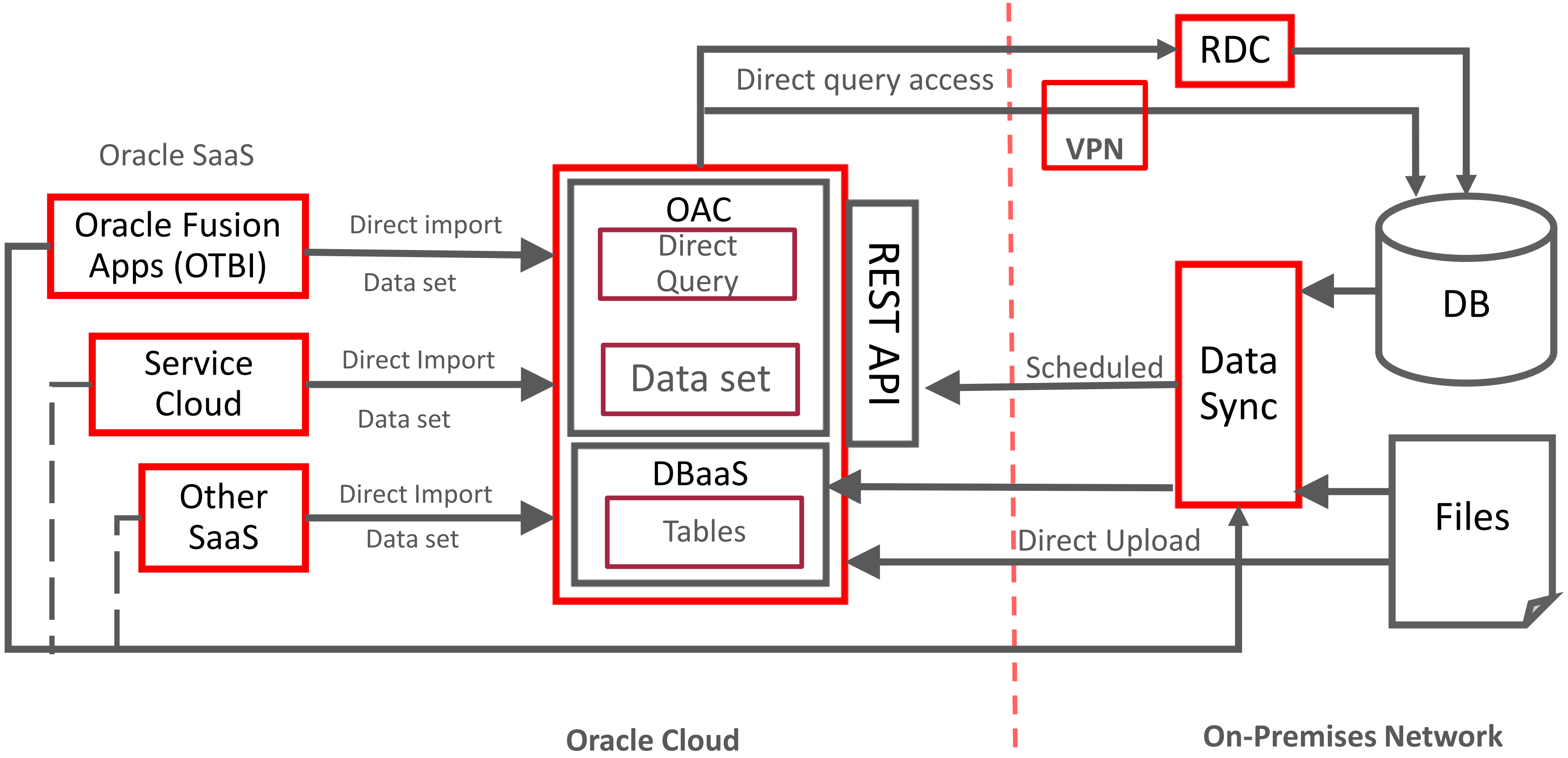
ETL
SQL*NET

Data Sync
On-premise data sources
Web services

Direct Query
Via RDC or
Virtual Networking

DV Connections
Cloud to Cloud
Virtual Network for On-Prem

OAC Data Integration – Hybrid Deployment


Oracle SaaS
Oracle Fusion Apps (OTBI)
Service Cloud
Other SaaS
Direct import
Data set
Direct Import
Data set
Direct Import
Data set
OAC
Direct Query
Data set
DBaaS
Tables
REST API
Direct query access
RDC
VPN
DB
Scheduled
Data Sync
Files
Direct Upload
Oracle Cloud
On-Premises Network

RDC: Oracle, DB2, SQL Server, TeraData.

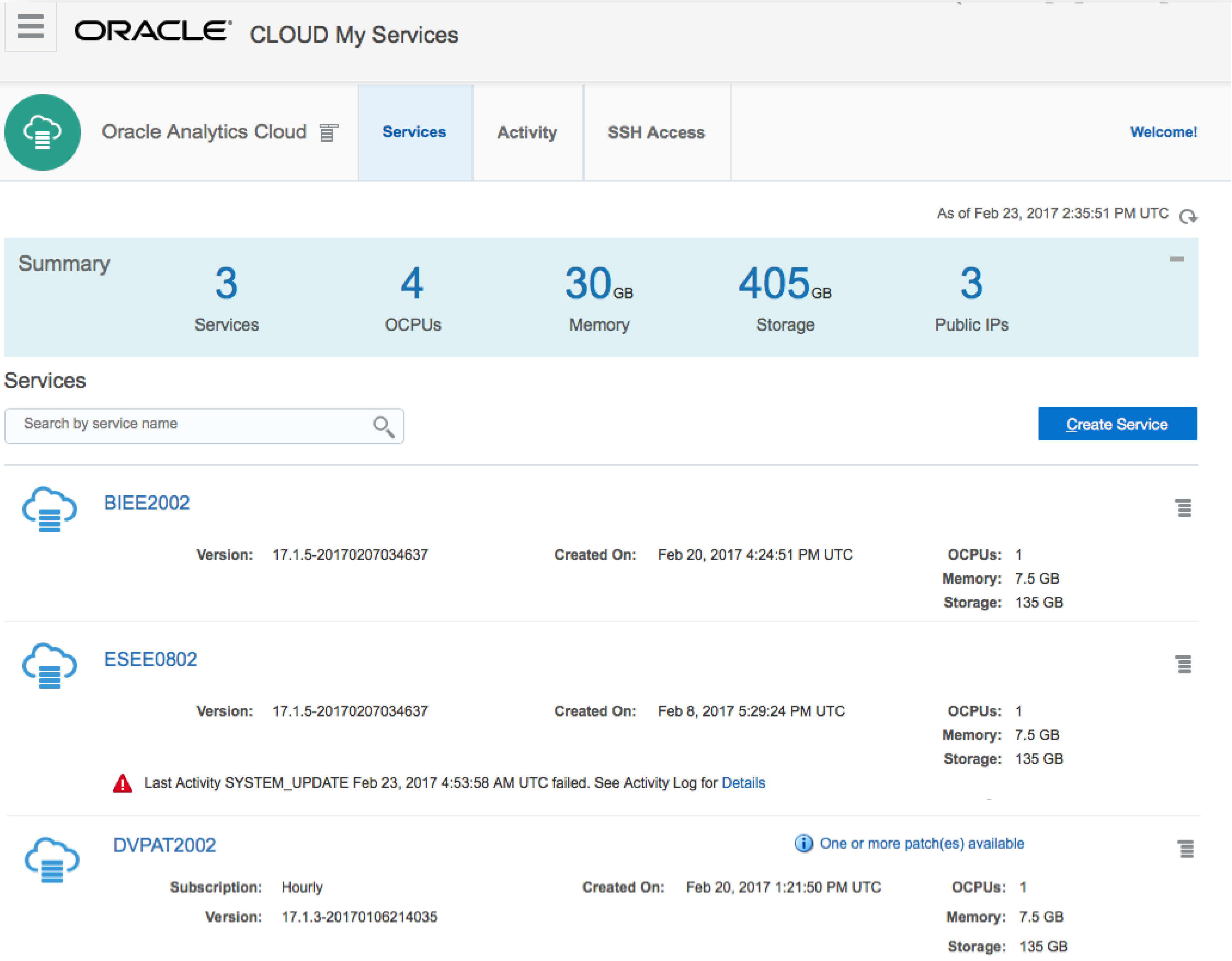
Data Sync: JDBC, Greenplum, MongoDB, Redshift, Hive, Postgre SQL, SFDC, Oracle Service Cloud, OTBI. ….

Oracle Analytics Cloud – Customer Managed

- Provisioning
  - Customers are responsible for provisioning services
  - Allocates OCPUs in a subscription to individual services
- Service Management
  - Setup and manage backups
  - Apply patches and upgrades
  - Setup access rules to the service
  - SSH access to the file system
- Provisioning and service management available through My Services GUI and REST API

Oracle Analytics Cloud

PROVISIONING DEMO


ORACLE CLOUD My Services
Oracle Analytics Cloud
Services
Activity
SSH Access
Welcome!

As of Feb 23, 2017 2:35:51 PM UTC

Summary

3	4	30GB	405GB	3
Services	OCPUs	Memory	Storage	Public IPs

Services

Search by service name
Create Service

BIEE2002

Version: 17.1.5-20170207034637
Created On: Feb 20, 2017 4:24:51 PM UTC
OCPUs: 1
Memory: 7.5 GB
Storage: 135 GB

ESEE0802

Version: 17.1.5-20170207034637
Created On: Feb 8, 2017 5:29:24 PM UTC
OCPUs: 1
Memory: 7.5 GB
Storage: 135 GB

⚠ Last Activity SYSTEM_UPDATE Feb 23, 2017 4:53:58 AM UTC failed. See Activity Log for Details

DVPAT2002

ⓘ One or more patch(es) available

Subscription: Hourly
Version: 17.1.3-20170106214035
Created On: Feb 20, 2017 1:21:50 PM UTC
OCPUs: 1
Memory: 7.5 GB
Storage: 135 GB

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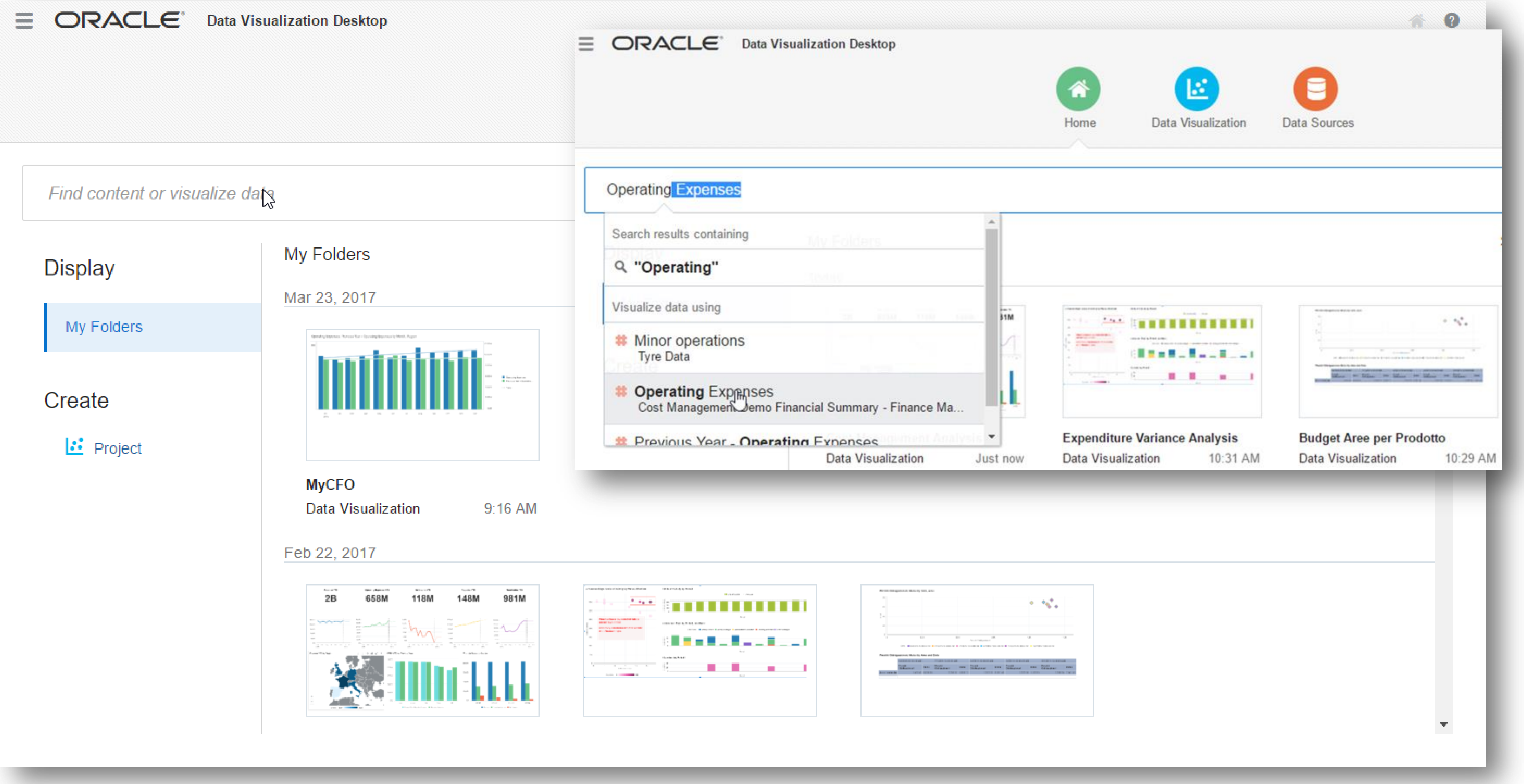
ANALYTICS CLOUD

BACKUP
Slides

Oracle Analytics Cloud vs OBIEE (as of today)

- No BI Publisher
  - Expected in Q1 FY 18
- Delivers Lite only
  - Full Delivers in Q1 FY 18
- Action Framework
  - JavaScript Actions, Web Service Actions, EJB Actions will not be supported
- No Scorecards
  - Not expected
- Security
  - WLS LDAP in v1, IDCS in v1.5
  - Non-standard providers not supported
  - Act-as not supported
- Answers Custom Map Layers not supported
- Marketing Segmentation not supported
- VM customizations may not be preserved or prevent lifecycle management

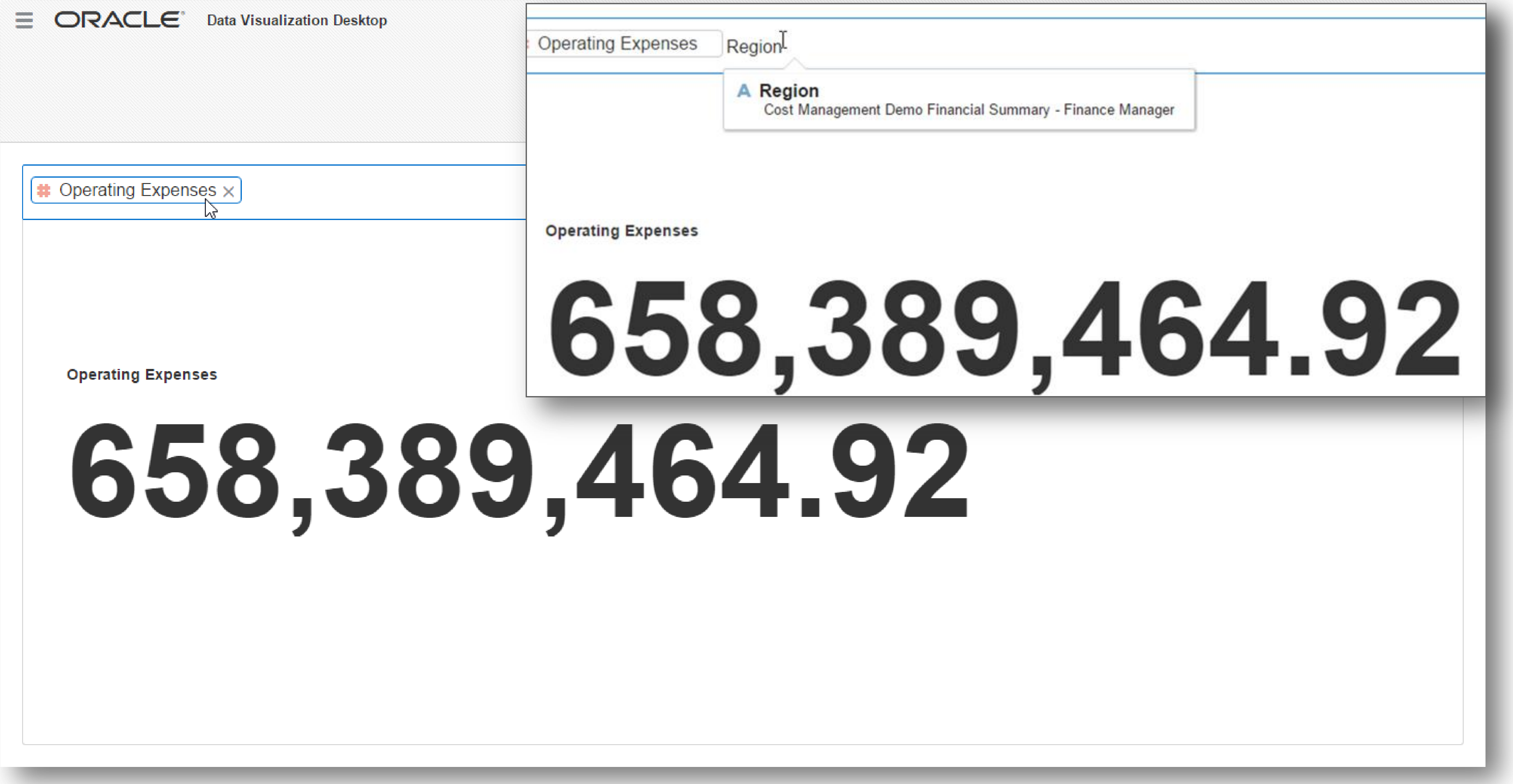
conversare con i dati:



Operating Expenses

ORACLE Data Visualization Desktop
Find content or visualize data
Display
My Folders
Create
Project
My Folders
Mar 23, 2017
MyCFO
Data Visualization
9:16 AM
Feb 22, 2017
2B
658M
118M
148M
981M
ORACLE Data Visualization Desktop
Home
Data Visualization
Data Sources
Search results containing
"Operating"
Visualize data using
Minor operations
Tyre Data
Operating Expenses
Cost Management Demo Financial Summary - Finance Ma...
Previous Year - Operating Expenses
Data Visualization
Just now
Expenditure Variance Analysis
Data Visualization
10:31 AM
Budget Aree per Prodotto
Data Visualization
10:29 AM

conversare con i dati:

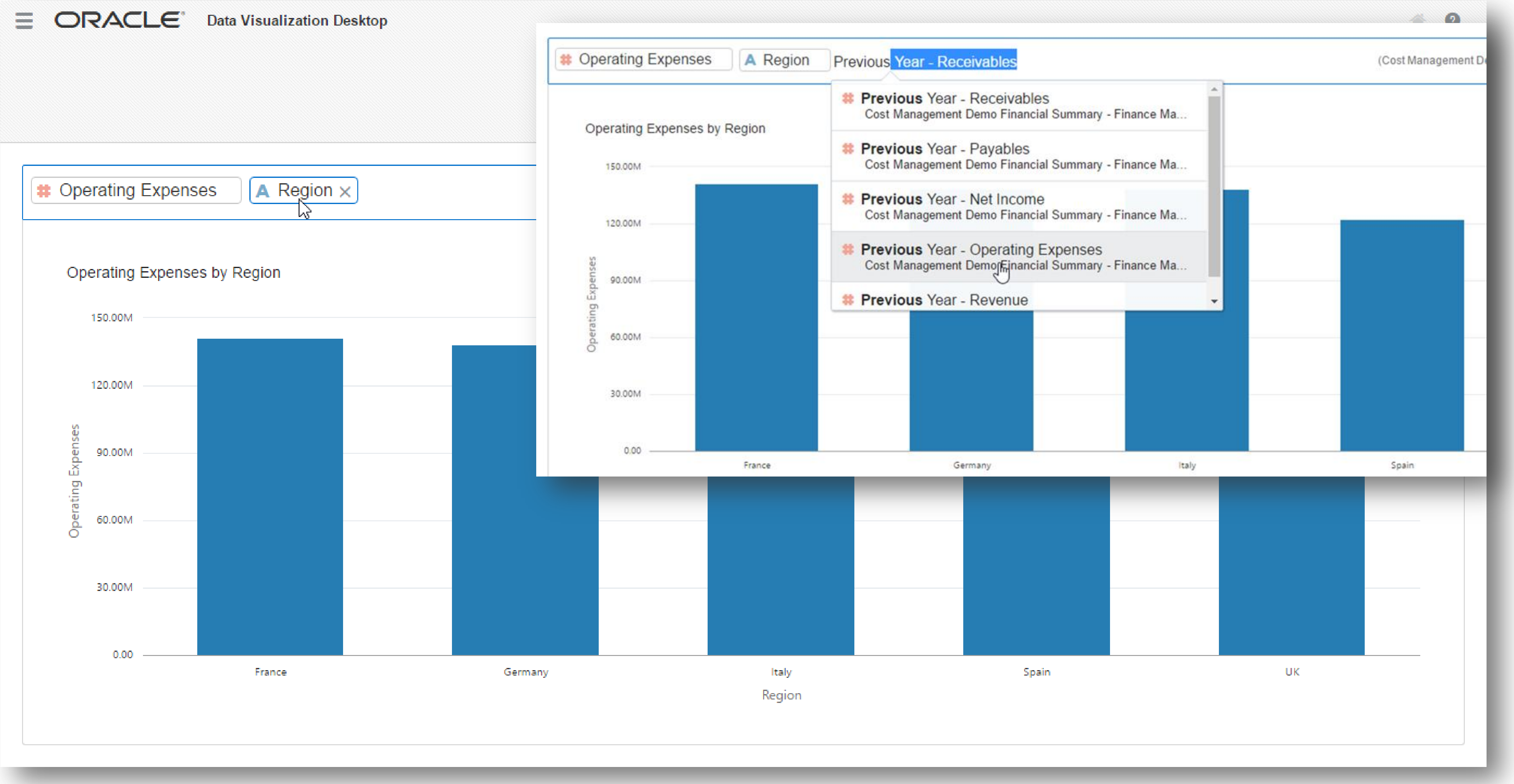


ORACLE Data Visualization Desktop
Operating Expenses ×
Operating Expenses
Region
A Region
Cost Management Demo Financial Summary - Finance Manager

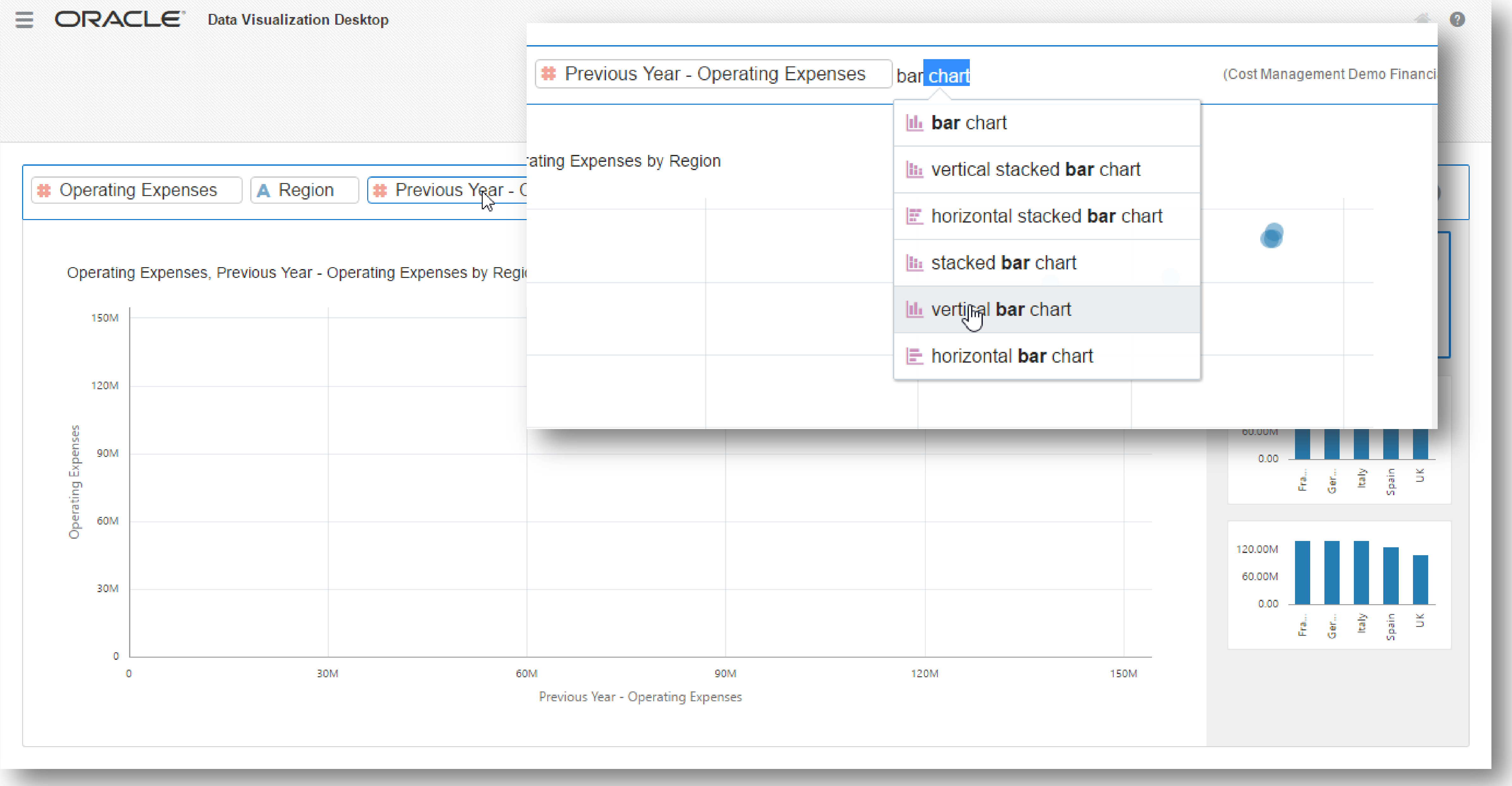
Operating Expenses

658,389,464.92

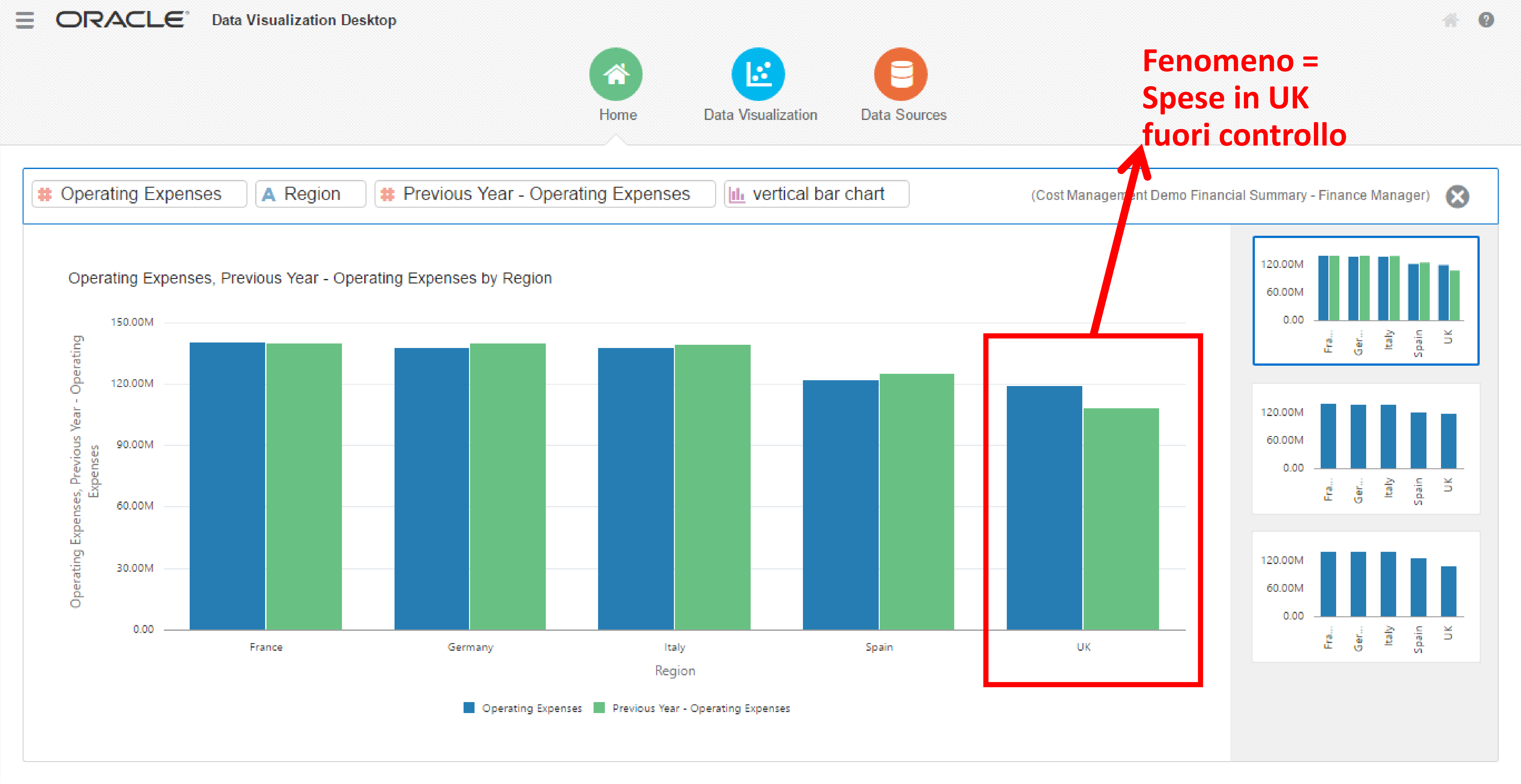
conversare con i dati:


ORACLE
Data Visualization Desktop
Operating Expenses
Region
Operating Expenses by Region
150.00M
120.00M
90.00M
60.00M
30.00M
0.00
Operating Expenses
France
Germany
Italy
Spain
UK
Region
Operating Expenses
Region
Previous Year - Receivables
(Cost Management D
Previous Year - Receivables
Cost Management Demo Financial Summary - Finance Ma...
Previous Year - Payables
Cost Management Demo Financial Summary - Finance Ma...
Previous Year - Net Income
Cost Management Demo Financial Summary - Finance Ma...
Previous Year - Operating Expenses
Cost Management Demo Financial Summary - Finance Ma...
Previous Year - Revenue
Operating Expenses by Region
150.00M
120.00M
90.00M
60.00M
30.00M
0.00
Operating Expenses
France
Germany
Italy
Spain

conversare con i dati:

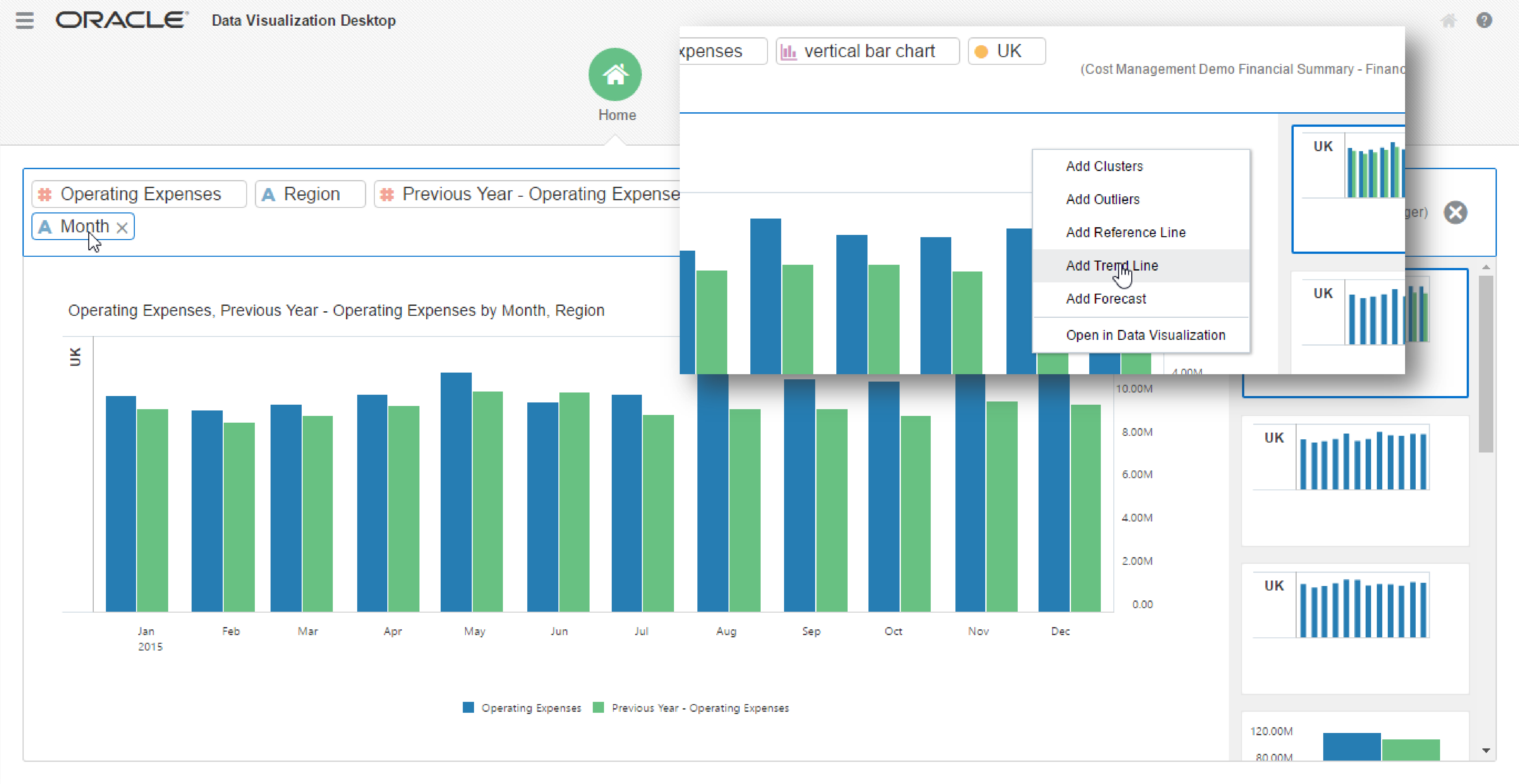

ORACLE Data Visualization Desktop
Previous Year - Operating Expenses
bar chart
(Cost Management Demo Financi
bar chart
vertical stacked bar chart
horizontal stacked bar chart
stacked bar chart
vertical bar chart
horizontal bar chart
Operating Expenses
Region
Previous Year - O
ating Expenses by Region
Operating Expenses, Previous Year - Operating Expenses by Regi
150M
120M
90M
60M
30M
0
Operating Expenses
0
30M
60M
90M
120M
150M
Previous Year - Operating Expenses
60.00M
0.00
Fra...
Ger...
Italy
Spain
UK
120.00M
60.00M
0.00
Fra...
Ger...
Italy
Spain
UK

conversare con i dati:

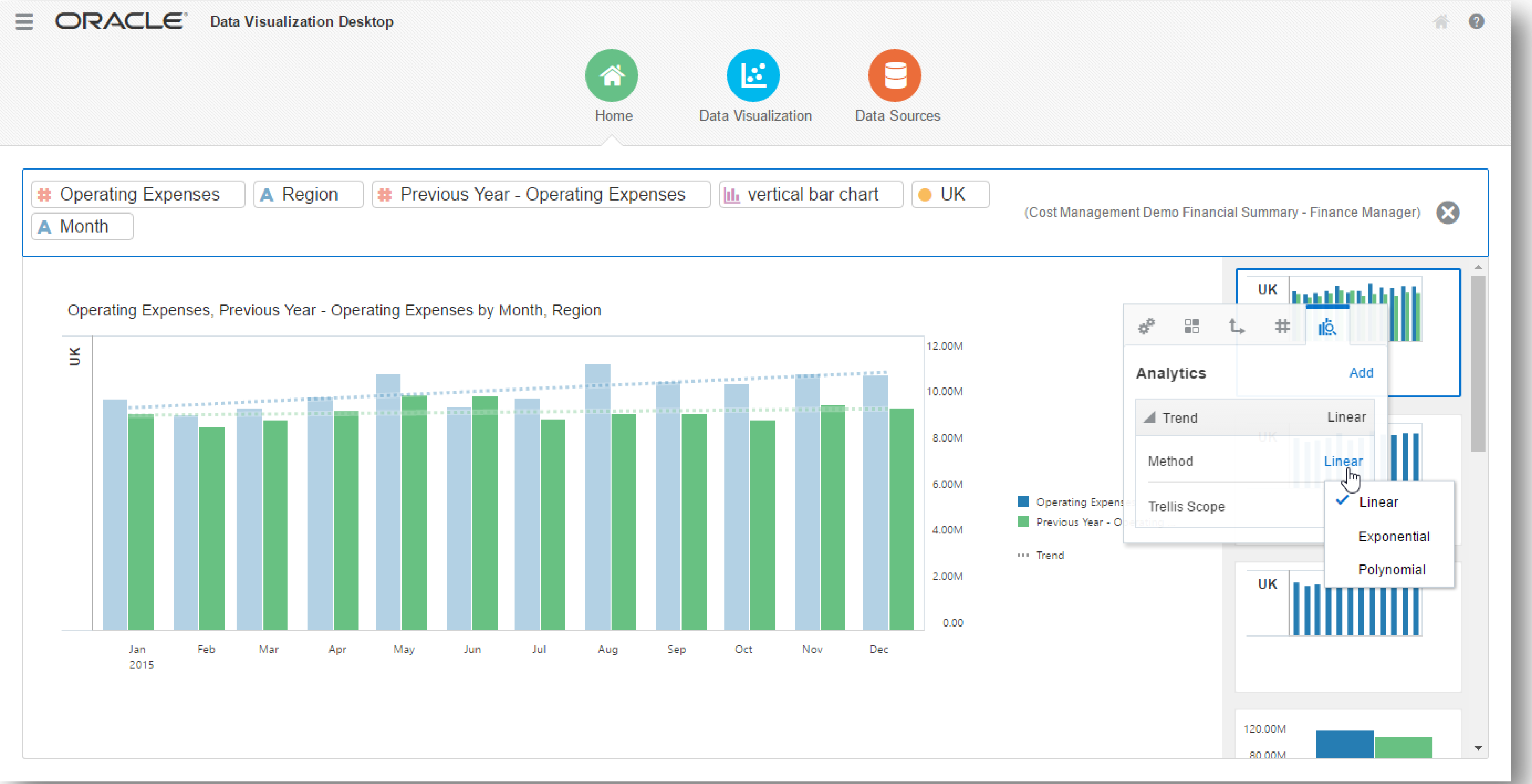

ORACLE Data Visualization Desktop
Home
Data Visualization
Data Sources
Operating Expenses
Region
Previous Year - Operating Expenses
vertical bar chart
(Cost Management Demo Financial Summary - Finance Manager)
Operating Expenses, Previous Year - Operating Expenses by Region
150.00M
120.00M
90.00M
60.00M
30.00M
0.00
Operating Expenses, Previous Year - Operating Expenses
France
Germany
Italy
Spain
UK
Region
Operating Expenses
Previous Year - Operating Expenses
120.00M
60.00M
0.00
Fra...
Ger...
Italy
Spain
UK

Fenomeno = Spese in UK fuori controllo

conversare con i dati:


ORACLE Data Visualization Desktop
Home
xpenses
vertical bar chart
UK
(Cost Management Demo Financial Summary - Financ
Operating Expenses
Region
Previous Year - Operating Expense
Month
Operating Expenses, Previous Year - Operating Expenses by Month, Region
UK
Add Clusters
Add Outliers
Add Reference Line
Add Trend Line
Add Forecast
Open in Data Visualization
10.00M
8.00M
6.00M
4.00M
2.00M
0.00
Jan 2015
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Operating Expenses
Previous Year - Operating Expenses
ger)
120.00M
80.00M

conversare con i dati:



Operating Expenses | Region | Previous Year - Operating Expenses | vertical bar chart | UK | Month

(Cost Management Demo Financial Summary - Finance Manager)

Operating Expenses, Previous Year - Operating Expenses by Month, Region

Analytics

Trend: Linear

Method: Linear

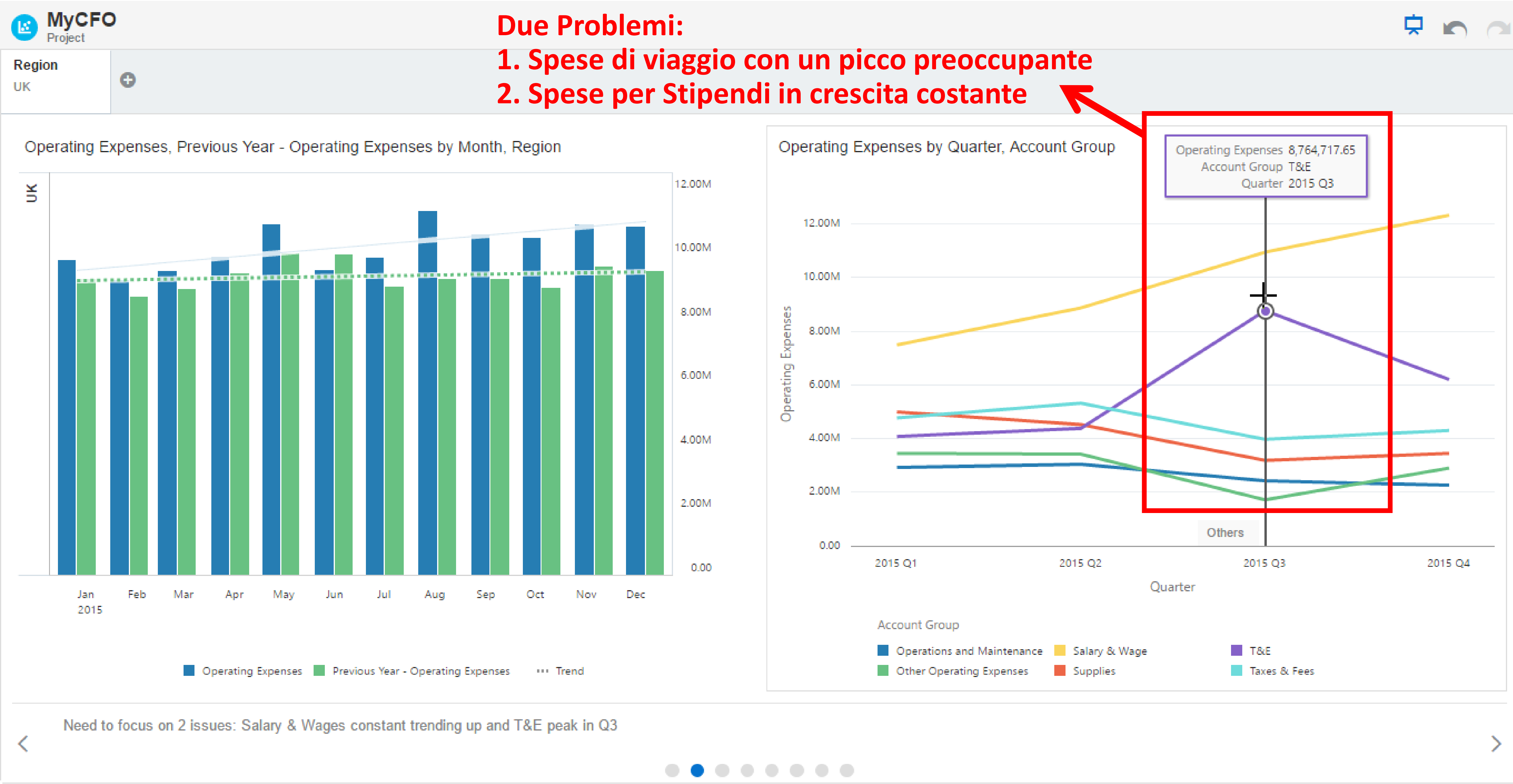
Trellis Scope

ORACLE
Data Visualization Desktop
Home
Data Visualization
Data Sources
UK
12.00M
10.00M
8.00M
6.00M
4.00M
2.00M
0.00
Jan 2015
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Operating Expens
Previous Year - O
Trend
Add
Linear
Exponential
Polynomial
120.00M
80.00M

Due Problemi:

1. Spese di viaggio con un picco preoccupante

2. Spese per Stipendi in crescita costante

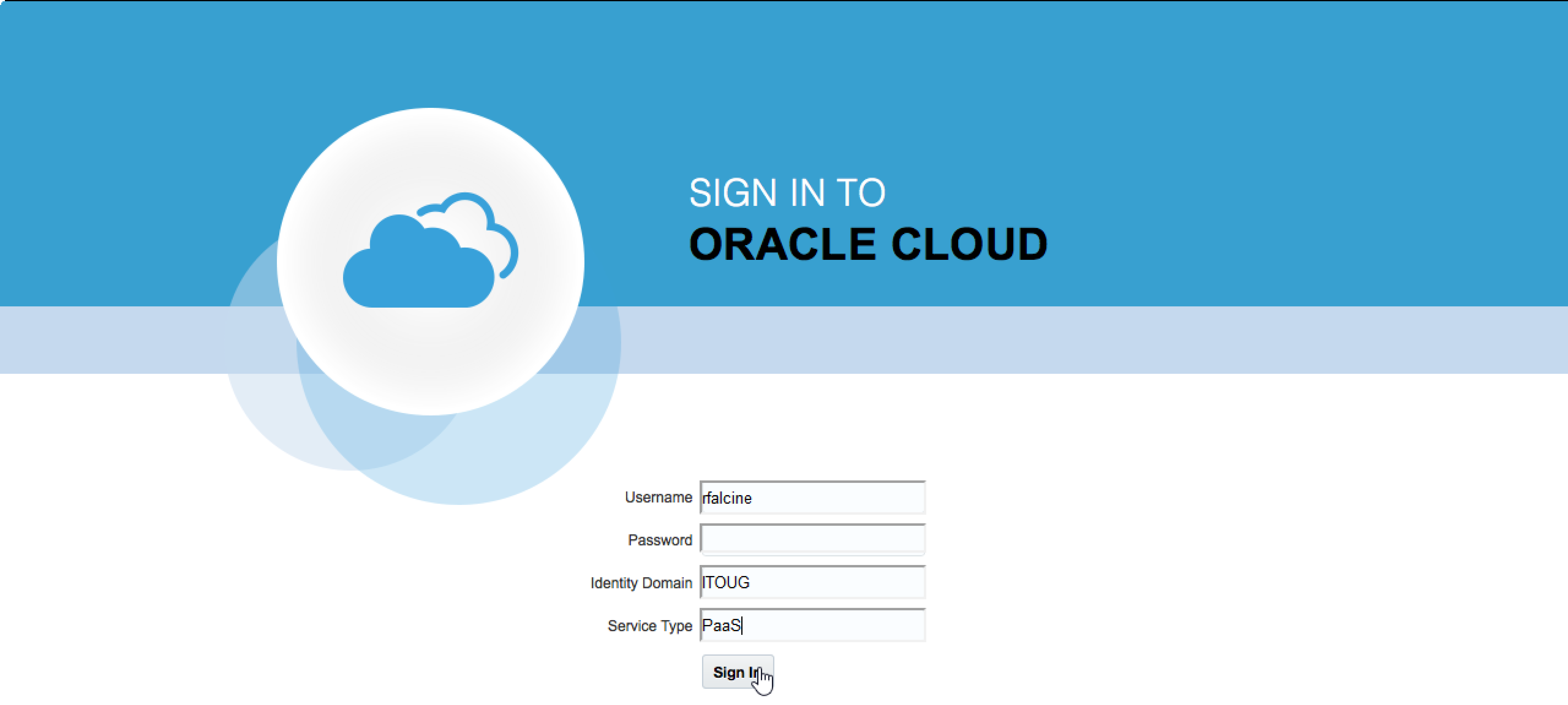


MyCFO
Project
Region
UK
Operating Expenses, Previous Year - Operating Expenses by Month, Region
UK
12.00M
10.00M
8.00M
6.00M
4.00M
2.00M
0.00
Jan 2015
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Operating Expenses
Previous Year - Operating Expenses
Trend
Operating Expenses by Quarter, Account Group
Operating Expenses
12.00M
10.00M
8.00M
6.00M
4.00M
2.00M
0.00
2015 Q1
2015 Q2
2015 Q3
2015 Q4
Quarter
Others
Account Group
Operations and Maintenance
Salary & Wage
T&E
Other Operating Expenses
Supplies
Taxes & Fees

Operating Expenses 8,764,717.65
Account Group T&E
Quarter 2015 Q3

Need to focus on 2 issues: Salary & Wages constant trending up and T&E peak in Q3

PROVISIONING DEMO



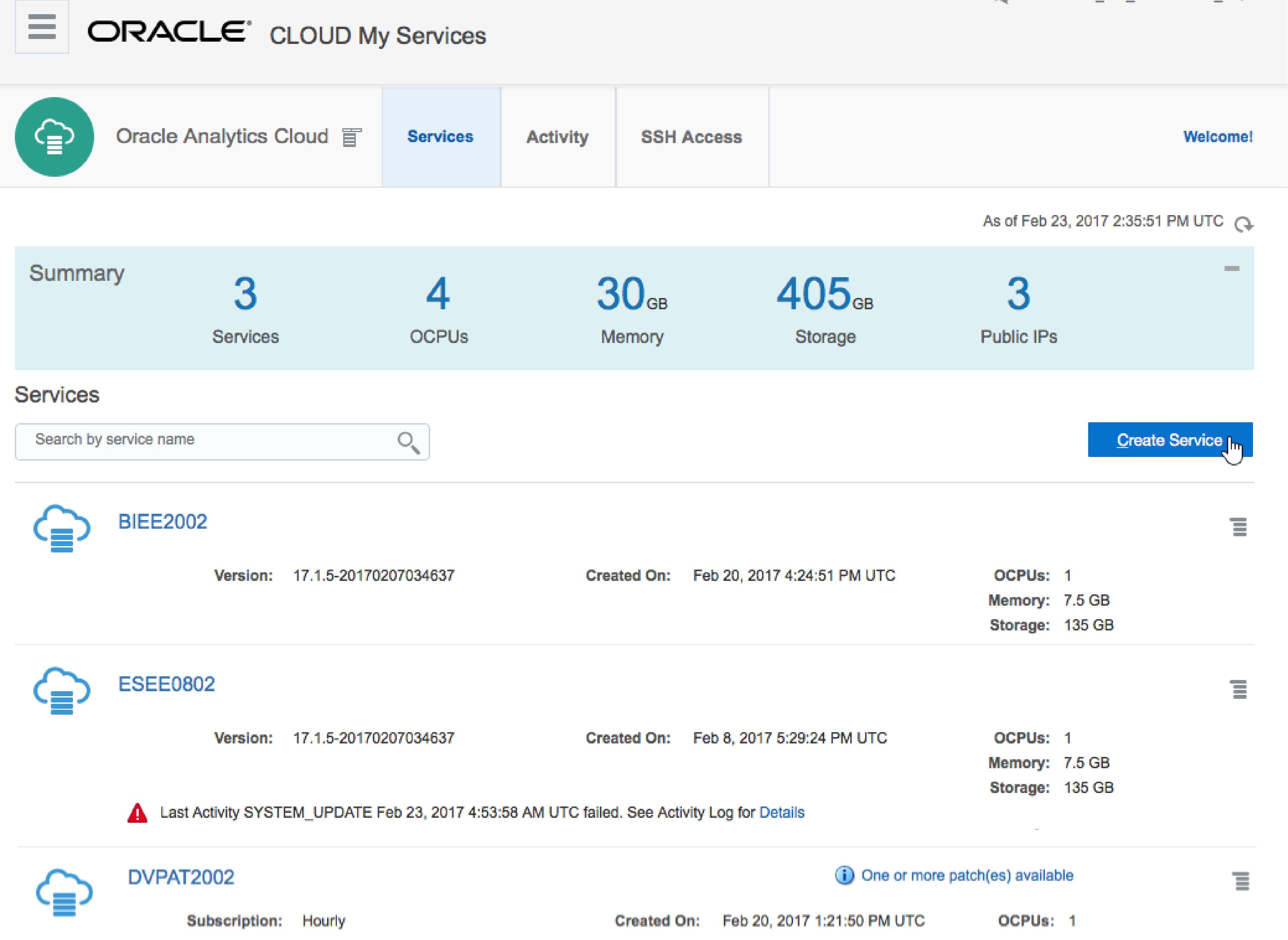
SIGN IN TO
ORACLE CLOUD

Username: rfalcine

Password:

Identity Domain: ITOUG

Service Type: PaaS


ORACLE CLOUD My Services
Oracle Analytics Cloud
Services
Activity
SSH Access
Welcome!
Create Service

As of Feb 23, 2017 2:35:51 PM UTC

Summary

3	4	30GB	405GB	3
Services	OCPUs	Memory	Storage	Public IPs

Services

Search by service name

BIEE2002

Version: 17.1.5-20170207034637
Created On: Feb 20, 2017 4:24:51 PM UTC
OCPUs: 1
Memory: 7.5 GB
Storage: 135 GB

ESEE0802

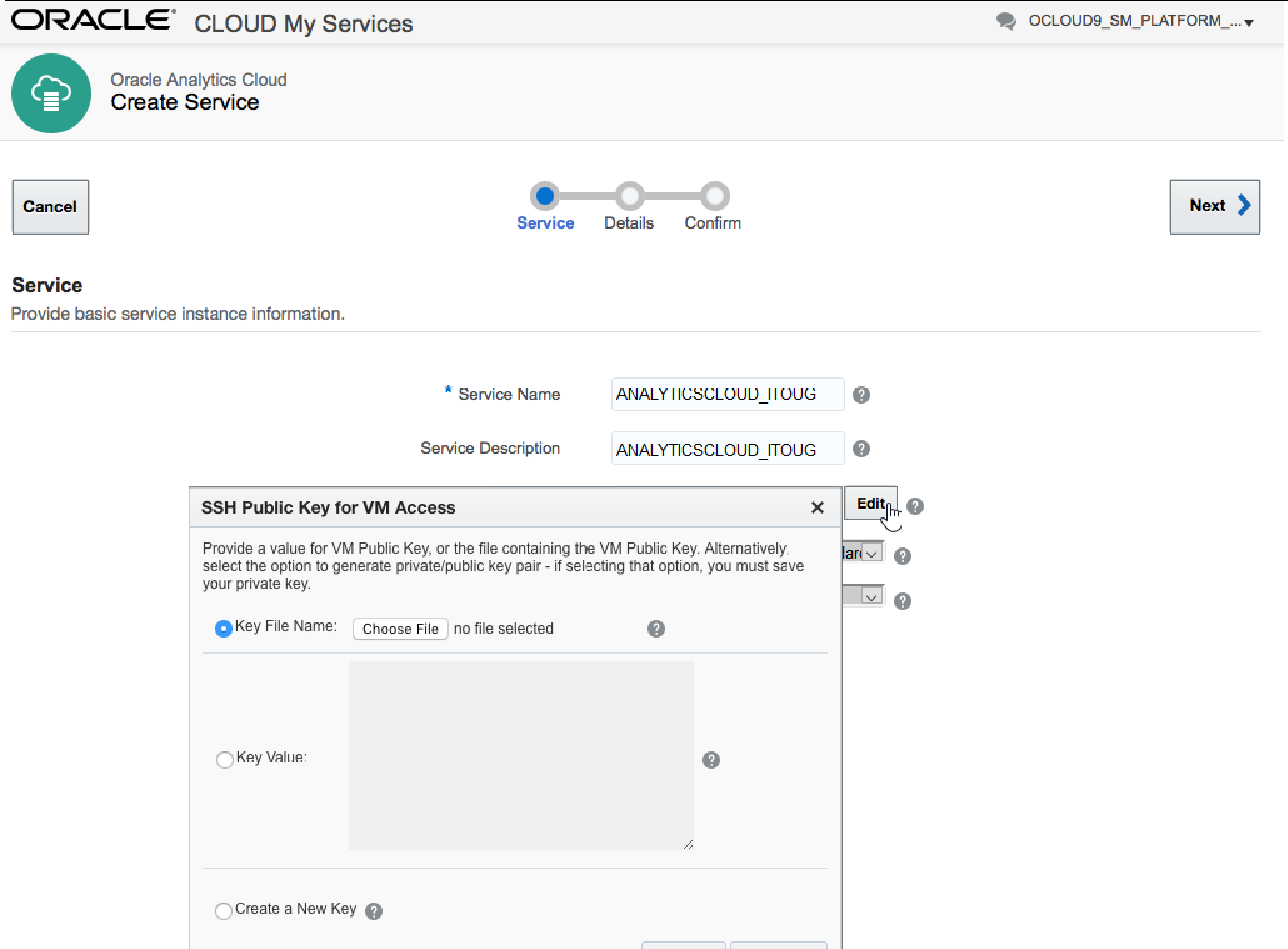
Version: 17.1.5-20170207034637
Created On: Feb 8, 2017 5:29:24 PM UTC
OCPUs: 1
Memory: 7.5 GB
Storage: 135 GB

Last Activity SYSTEM_UPDATE Feb 23, 2017 4:53:58 AM UTC failed. See Activity Log for Details

DVPAT2002

One or more patch(es) available

Subscription: Hourly
Created On: Feb 20, 2017 1:21:50 PM UTC
OCPUs: 1


ORACLE CLOUD My Services
OCLOUD9_SM_PLATFORM_...
Oracle Analytics Cloud
Create Service
Cancel
Service
Details
Confirm
Next
Edit
Choose File
no file selected

Service

Provide basic service instance information.

* Service Name: ANALYTICSCLOUD_ITOUG

Service Description: ANALYTICSCLOUD_ITOUG

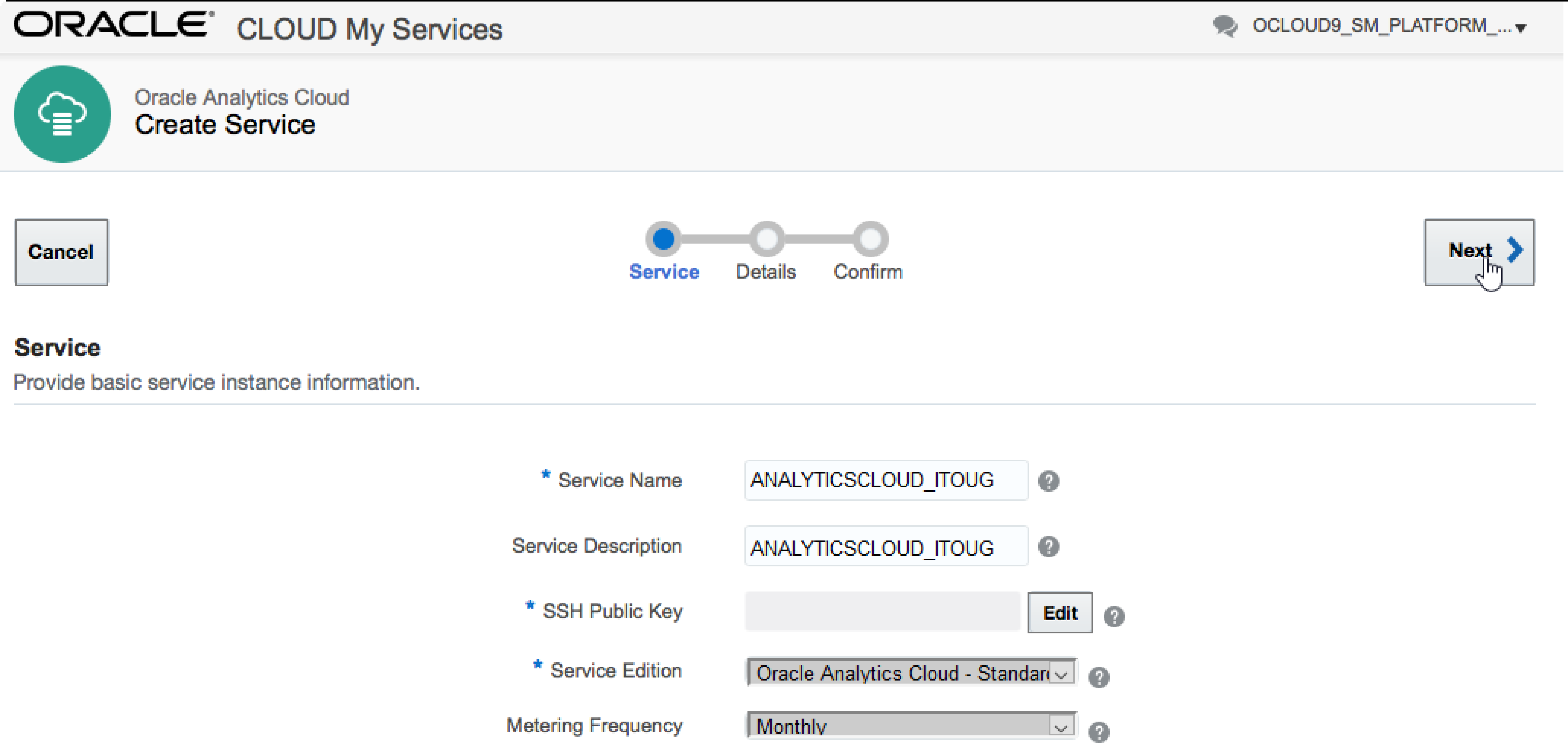
SSH Public Key for VM Access

Provide a value for VM Public Key, or the file containing the VM Public Key. Alternatively, select the option to generate private/public key pair - if selecting that option, you must save your private key.

● Key File Name:

○ Key Value:

○ Create a New Key


ORACLE CLOUD My Services
OCLOUD9_SM_PLATFORM_...
Cancel
Service
Details
Confirm
Next
Edit

Oracle Analytics Cloud

Create Service

Service

Provide basic service instance information.

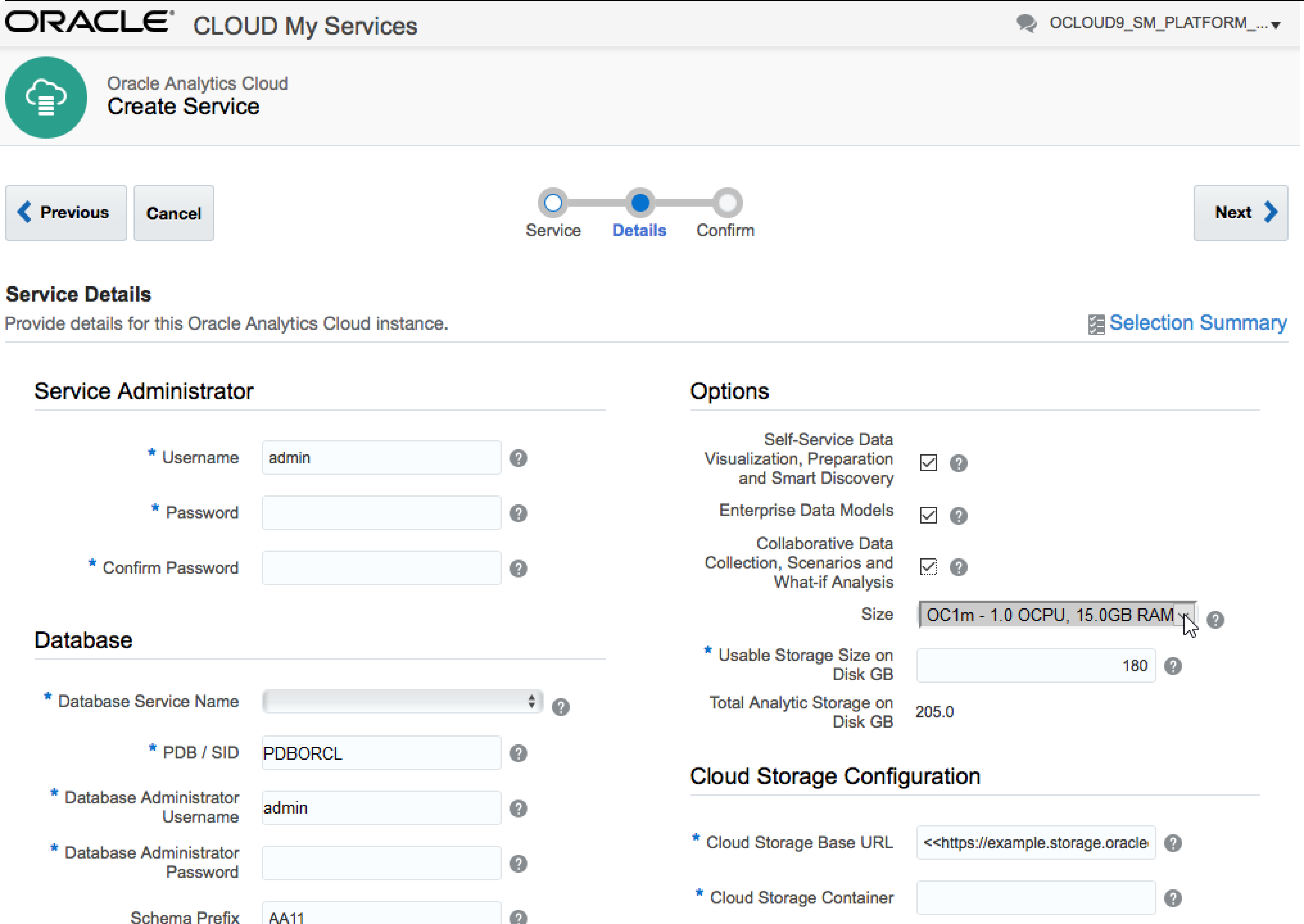
* Service Name: ANALYTICSCLOUD_ITOUG

Service Description: ANALYTICSCLOUD_ITOUG

* SSH Public Key:

* Service Edition: Oracle Analytics Cloud - Standard

Metering Frequency: Monthly


ORACLE CLOUD My Services
OCLOUD9_SM_PLATFORM_...
Oracle Analytics Cloud
Create Service
Previous
Cancel
Service
Details
Confirm
Next
Selection Summary

Service Details

Provide details for this Oracle Analytics Cloud instance.

Service Administrator

* Username: admin

* Password:

* Confirm Password:

Database

* Database Service Name:

* PDB / SID: PDBORCL

* Database Administrator Username: admin

* Database Administrator Password:

Schema Prefix: AA11

Options

Self-Service Data Visualization, Preparation and Smart Discovery ☑

Enterprise Data Models ☑

Collaborative Data Collection, Scenarios and What-if Analysis ☑

Size: OC1m - 1.0 OCPU, 15.0GB RAM

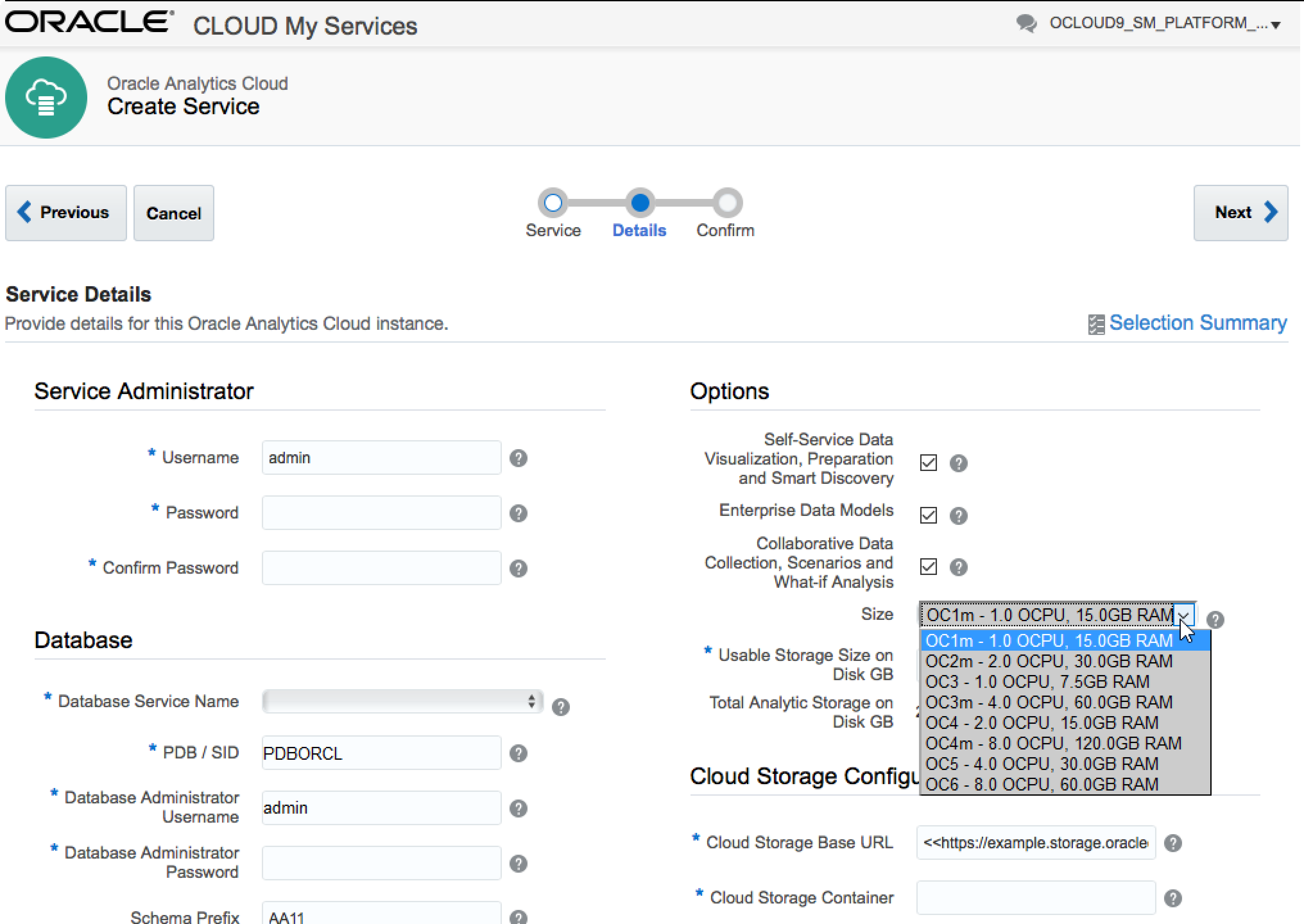
* Usable Storage Size on Disk GB: 180

Total Analytic Storage on Disk GB: 205.0

Cloud Storage Configuration

* Cloud Storage Base URL: <<https://example.storage.oracle

* Cloud Storage Container:



ORACLE CLOUD My Services

OCLOUD9_SM_PLATFORM_...

Oracle Analytics Cloud

Create Service

Previous Cancel

Service Details Confirm

Next

Service Details

Provide details for this Oracle Analytics Cloud instance.

Selection Summary

Service Administrator

* Username: admin
* Password:
* Confirm Password:

Database

* Database Service Name:
* PDB / SID: PDBORCL
* Database Administrator Username: admin
* Database Administrator Password:

Schema Prefix: AA11

Options

Self-Service Data Visualization, Preparation and Smart Discovery ☑

Enterprise Data Models ☑

Collaborative Data Collection, Scenarios and What-if Analysis ☑

Size: OC1m - 1.0 OCPU, 15.0GB RAM

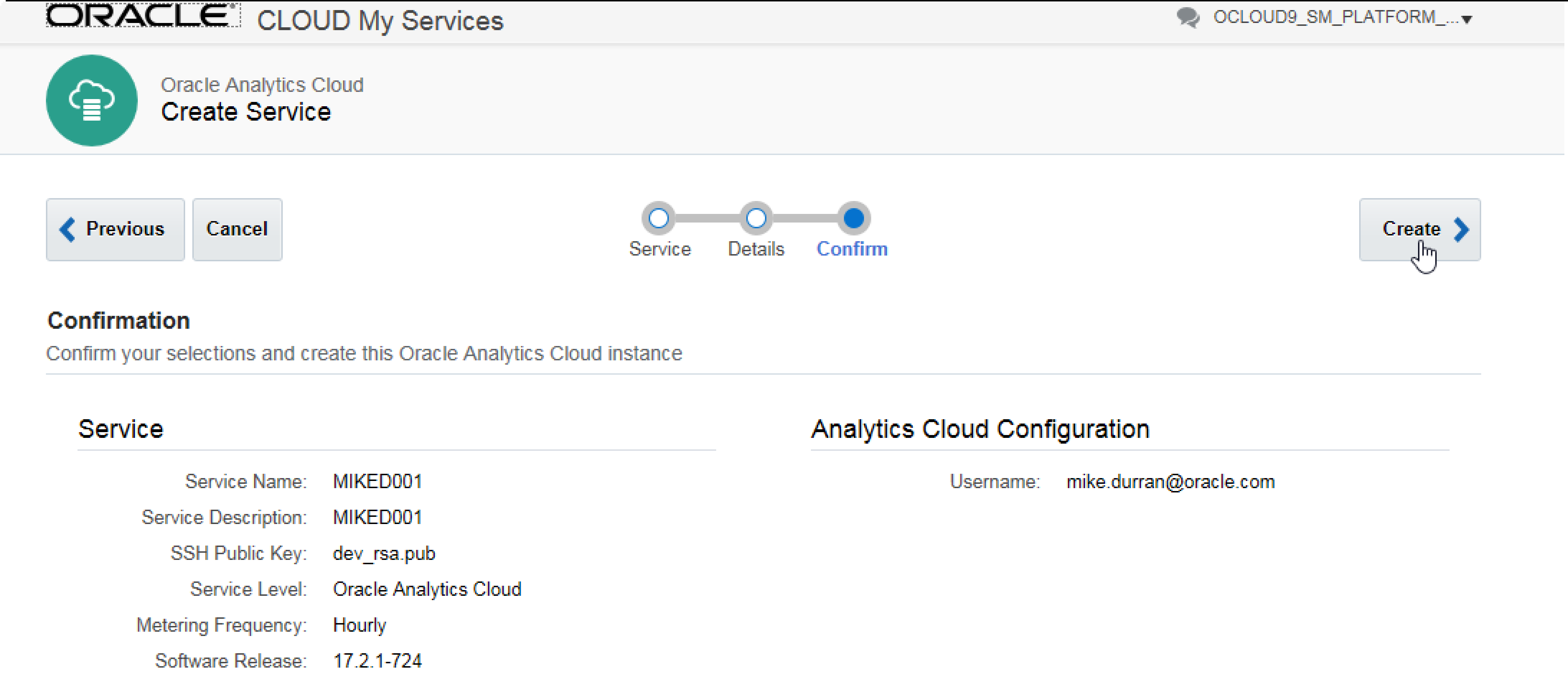
- OC1m - 1.0 OCPU, 15.0GB RAM
- OC2m - 2.0 OCPU, 30.0GB RAM
- OC3 - 1.0 OCPU, 7.5GB RAM
- OC3m - 4.0 OCPU, 60.0GB RAM
- OC4 - 2.0 OCPU, 15.0GB RAM
- OC4m - 8.0 OCPU, 120.0GB RAM
- OC5 - 4.0 OCPU, 30.0GB RAM
- OC6 - 8.0 OCPU, 60.0GB RAM

* Usable Storage Size on Disk GB

Total Analytic Storage on Disk GB

Cloud Storage Configu

* Cloud Storage Base URL: <<https://example.storage.oracle
* Cloud Storage Container:


ORACLE CLOUD My Services
OCLOUD9_SM_PLATFORM_...
Oracle Analytics Cloud
Create Service
Previous
Cancel
Service
Details
Confirm
Create

Confirmation

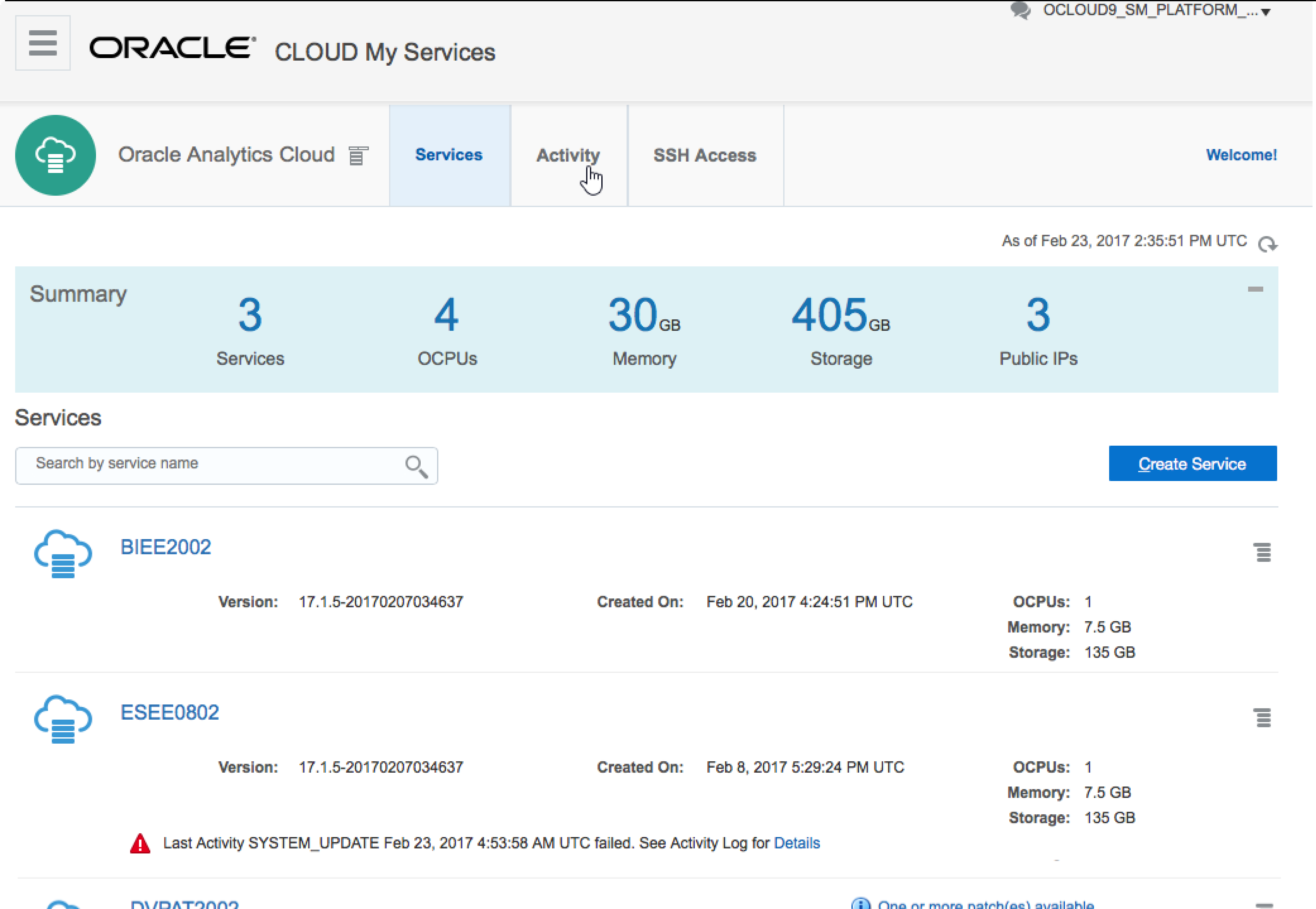
Confirm your selections and create this Oracle Analytics Cloud instance

Service

Service Name: MIKED001
Service Description: MIKED001
SSH Public Key: dev_rsa.pub
Service Level: Oracle Analytics Cloud
Metering Frequency: Hourly
Software Release: 17.2.1-724

Analytics Cloud Configuration

Username: mike.durran@oracle.com


OCLOUD9_SM_PLATFORM_...
ORACLE CLOUD My Services
Oracle Analytics Cloud
Services
Activity
SSH Access
Welcome!
Search by service name
Create Service

As of Feb 23, 2017 2:35:51 PM UTC

Summary

3	4	30GB	405GB	3
Services	OCPUs	Memory	Storage	Public IPs

Services

BIEE2002

Version: 17.1.5-20170207034637

Created On: Feb 20, 2017 4:24:51 PM UTC

OCPUs: 1
Memory: 7.5 GB
Storage: 135 GB

ESEE0802

Version: 17.1.5-20170207034637

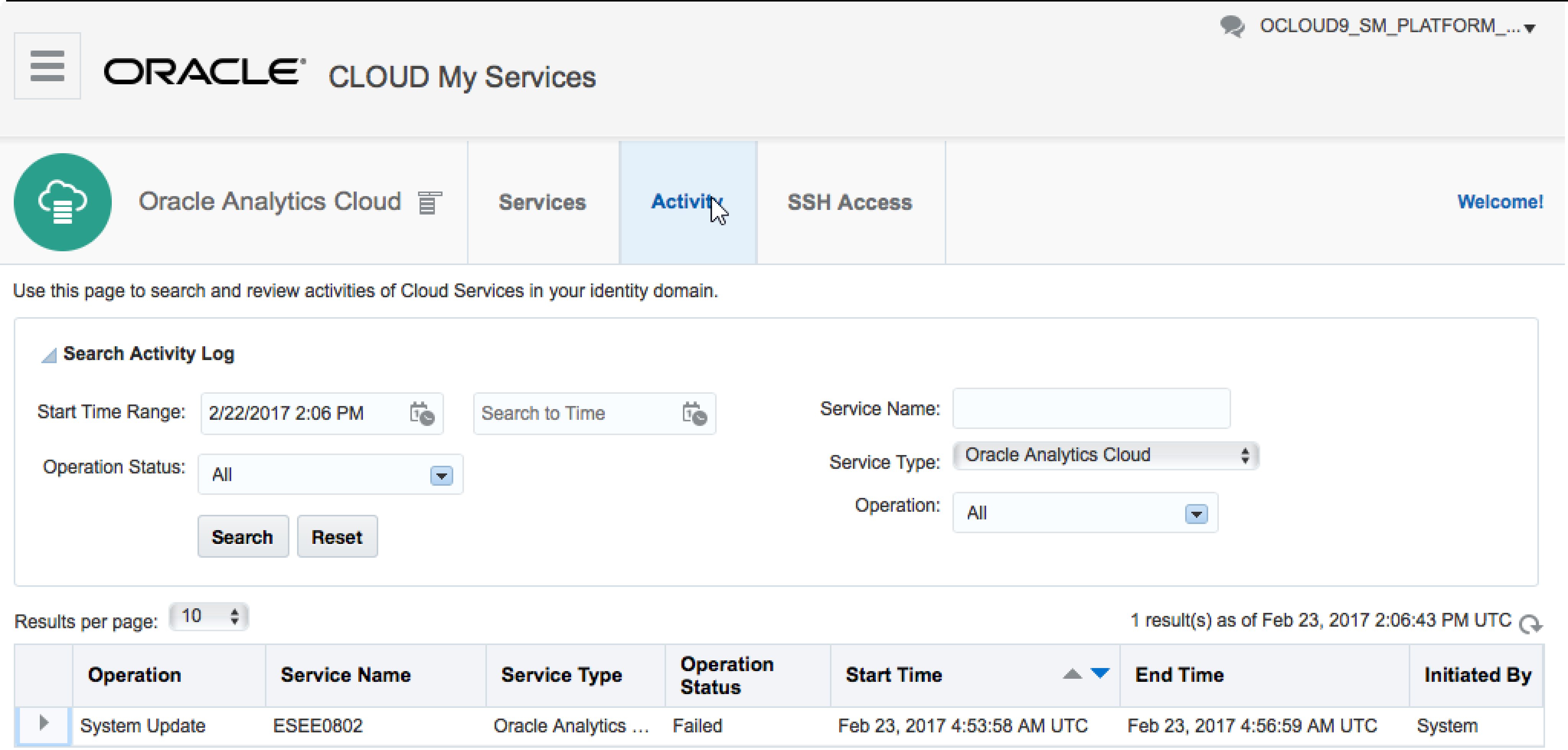
Created On: Feb 8, 2017 5:29:24 PM UTC

OCPUs: 1
Memory: 7.5 GB
Storage: 135 GB

Last Activity SYSTEM_UPDATE Feb 23, 2017 4:53:58 AM UTC failed. See Activity Log for Details

DVPAT2002

One or more patch(es) available


OCLOUD9_SM_PLATFORM_...
ORACLE CLOUD My Services
Oracle Analytics Cloud
Services
Activity
SSH Access
Welcome!

Use this page to search and review activities of Cloud Services in your identity domain.

Search Activity Log

Start Time Range: 2/22/2017 2:06 PM

Search to Time

Operation Status: All

Service Name:

Service Type: Oracle Analytics Cloud

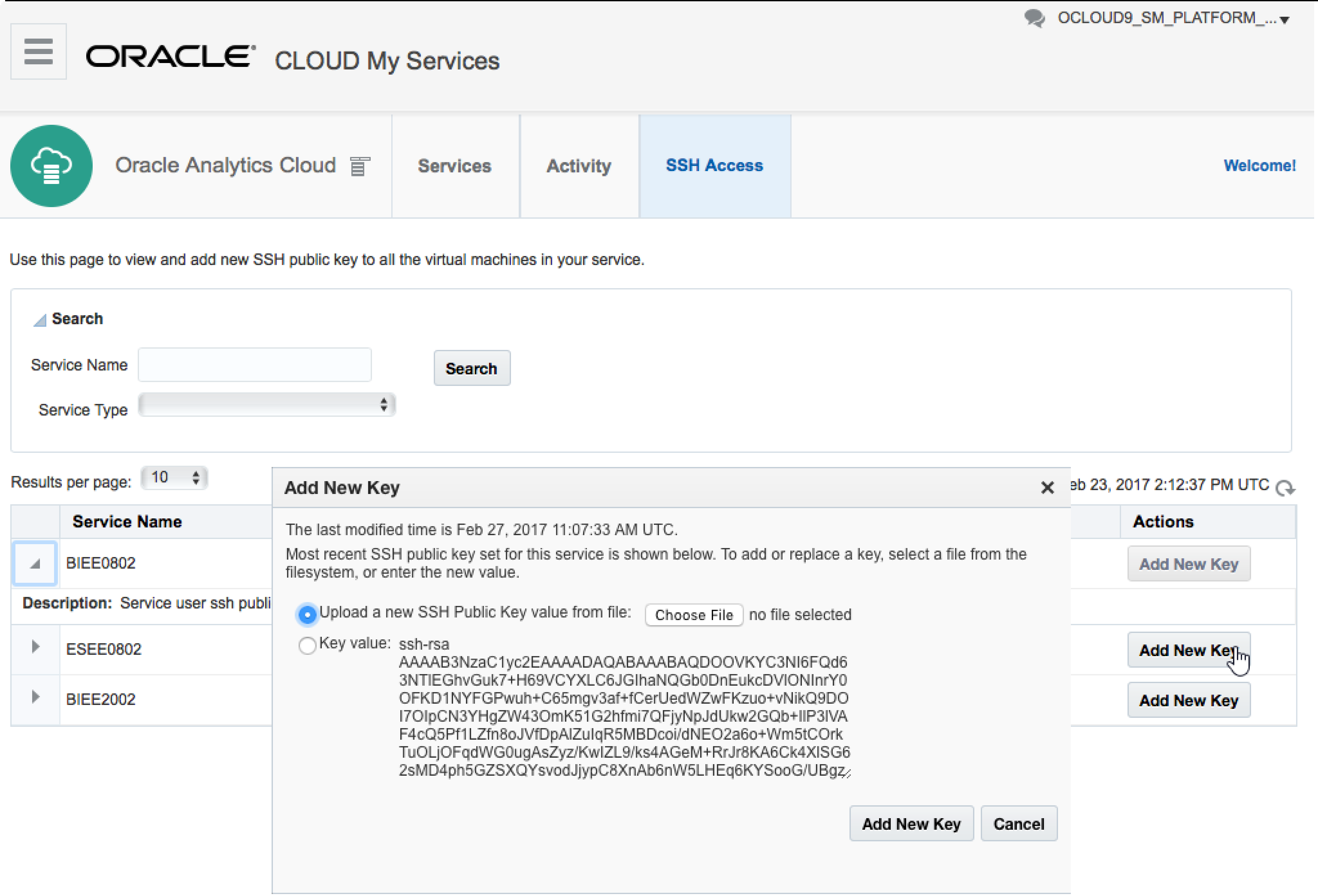
Operation: All

Search
Reset

Results per page: 10

1 result(s) as of Feb 23, 2017 2:06:43 PM UTC

Operation	Service Name	Service Type	Operation Status	Start Time	End Time	Initiated By
System Update	ESEE0802	Oracle Analytics ...	Failed	Feb 23, 2017 4:53:58 AM UTC	Feb 23, 2017 4:56:59 AM UTC	System


OCLOUD9_SM_PLATFORM_...
ORACLE CLOUD My Services
Oracle Analytics Cloud
Services
Activity
SSH Access
Welcome!
Search
Search
Actions
Add New Key
Add New Key
Add New Key
Choose File
Add New Key
Cancel

Use this page to view and add new SSH public key to all the virtual machines in your service.

Service Name:

Service Type:

Results per page: 10

eb 23, 2017 2:12:37 PM UTC

Service Name
BIEE0802
Description: Service user ssh publi
ESEE0802
BIEE2002

Add New Key

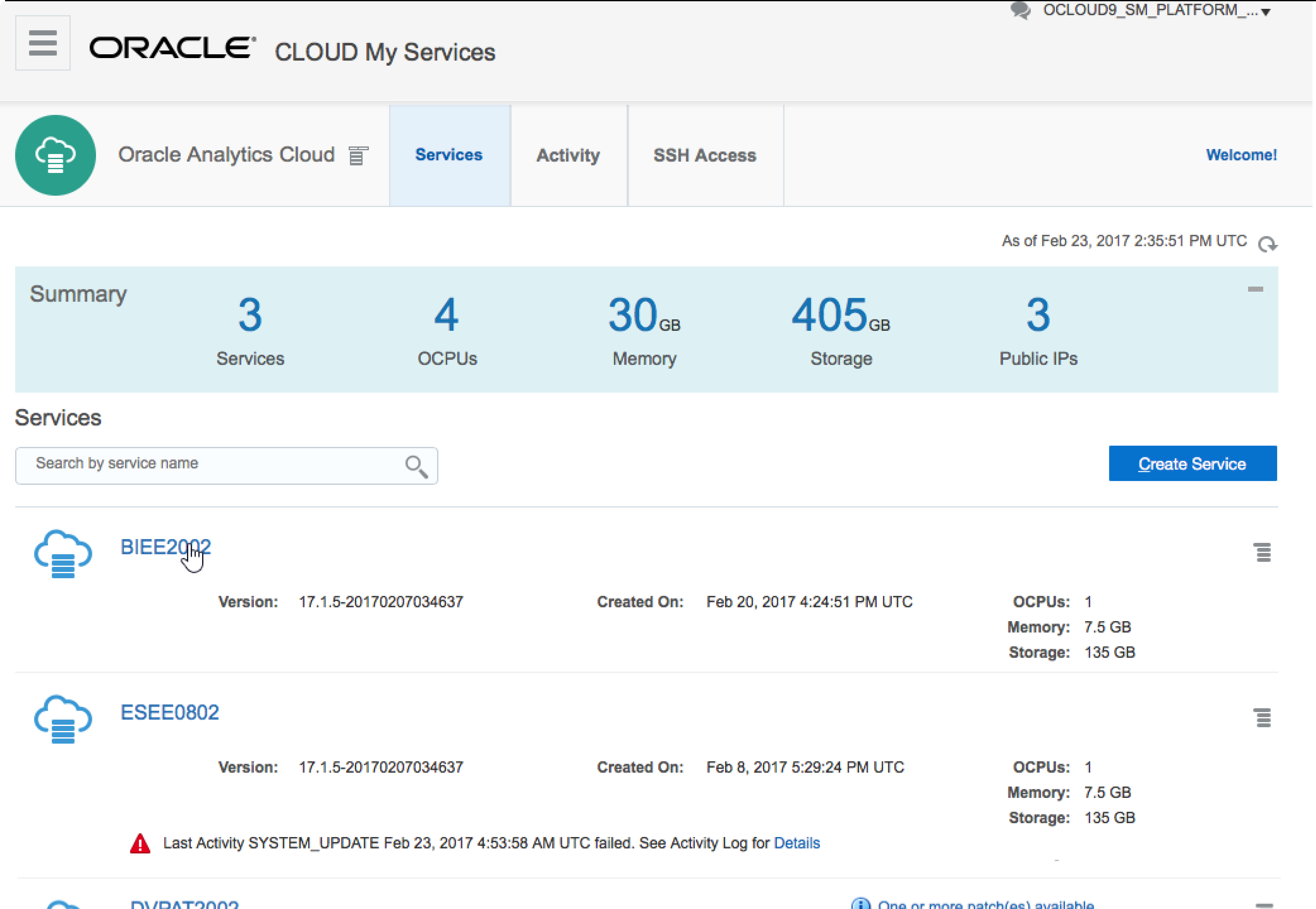
The last modified time is Feb 27, 2017 11:07:33 AM UTC.

Most recent SSH public key set for this service is shown below. To add or replace a key, select a file from the filesystem, or enter the new value.

● Upload a new SSH Public Key value from file: no file selected

○ Key value:

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAABAQDOOVKYC3NI6FQd6
3NTIEGhvGuk7+H69VCYXLC6JGIhaNQGb0DnEukcDVlONInrY0
OFKD1NYFGPwuh+C65mgv3af+fCerUedWZwFKzuo+vNikQ9DO
I7OIpCN3YHgZW43OmK51G2hfmi7QFjyNpJdUkw2GQb+IIP3lVA
F4cQ5Pf1LZfn8oJVfDpAlZuIqR5MBDcoi/dNEO2a6o+Wm5tCOrk
TuOLjOFqdWG0ugAsZyz/KwIZL9/ks4AGeM+RrJr8KA6Ck4XISG6
2sMD4ph5GZSXQYsvodJjypC8XnAb6nW5LHEq6KYSooG/UBgz
```


OCLOUD9_SM_PLATFORM_...
ORACLE CLOUD My Services
Oracle Analytics Cloud
Services
Activity
SSH Access
Welcome!
Search by service name
Create Service

As of Feb 23, 2017 2:35:51 PM UTC

Summary

3	4	30 GB	405 GB	3
Services	OCPUs	Memory	Storage	Public IPs

Services

BIEE2002

Version: 17.1.5-20170207034637
Created On: Feb 20, 2017 4:24:51 PM UTC
OCPUs: 1
Memory: 7.5 GB
Storage: 135 GB

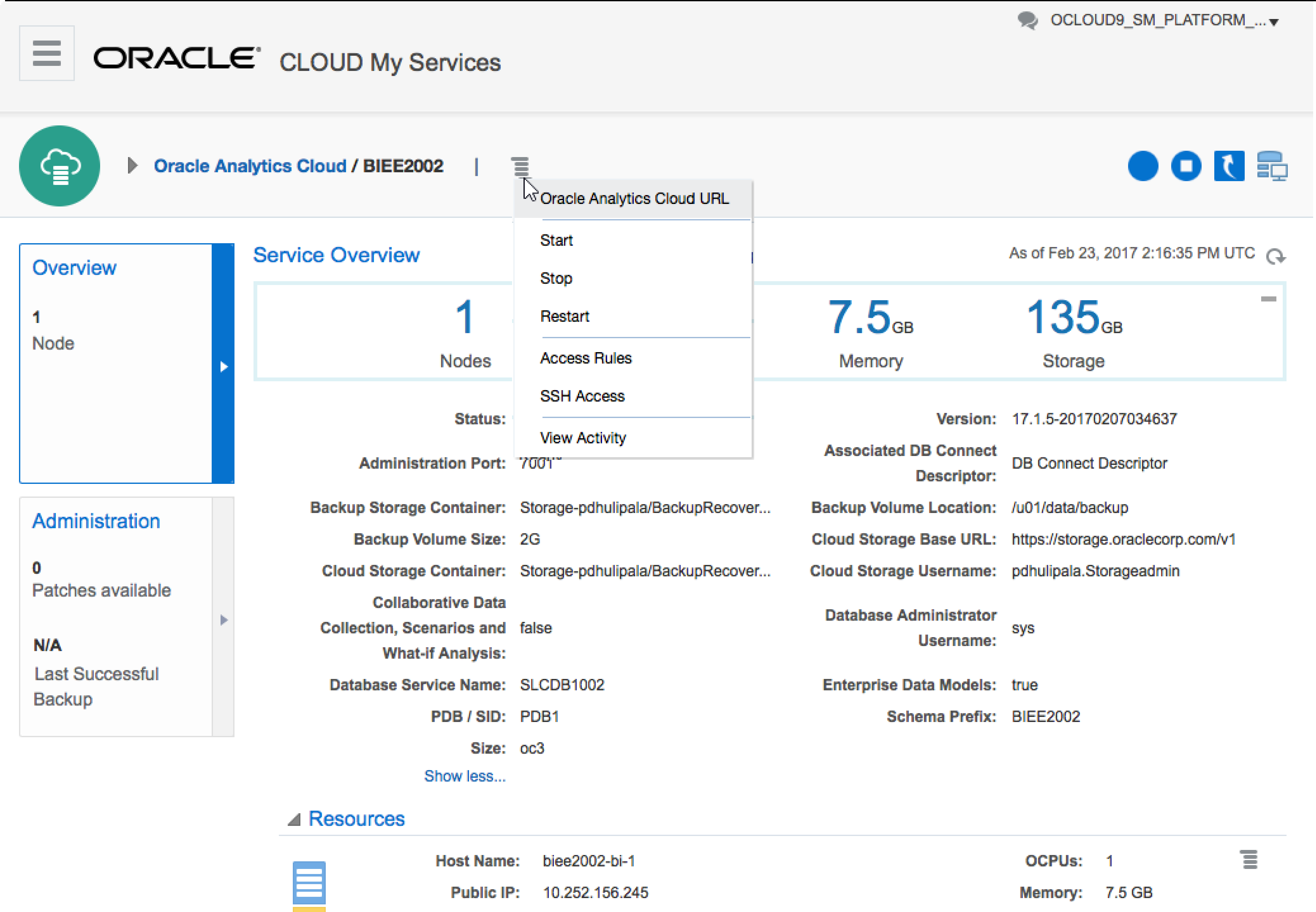
ESEE0802

Version: 17.1.5-20170207034637
Created On: Feb 8, 2017 5:29:24 PM UTC
OCPUs: 1
Memory: 7.5 GB
Storage: 135 GB

Last Activity SYSTEM_UPDATE Feb 23, 2017 4:53:58 AM UTC failed. See Activity Log for Details

DVPAT2002

One or more patch(es) available


OCLOUD9_SM_PLATFORM_...
ORACLE CLOUD My Services
Oracle Analytics Cloud / BIEE2002
Oracle Analytics Cloud URL
Start
Stop
Restart
Access Rules
SSH Access
View Activity
Overview
Administration
Show less...
Resources

Service Overview

As of Feb 23, 2017 2:16:35 PM UTC

Overview: 1 Node

Administration: 0 Patches available; N/A Last Successful Backup

1 Nodes | 7.5 GB Memory | 135 GB Storage

Status:

Administration Port: 7001

Backup Storage Container: Storage-pdhulipala/BackupRecover...

Backup Volume Size: 2G

Cloud Storage Container: Storage-pdhulipala/BackupRecover...

Collaborative Data Collection, Scenarios and What-if Analysis: false

Database Service Name: SLCDB1002

PDB / SID: PDB1

Size: oc3

Version: 17.1.5-20170207034637

Associated DB Connect Descriptor: DB Connect Descriptor

Backup Volume Location: /u01/data/backup

Cloud Storage Base URL: https://storage.oraclecorp.com/v1

Cloud Storage Username: pdhulipala.Storageadmin

Database Administrator Username: sys

Enterprise Data Models: true

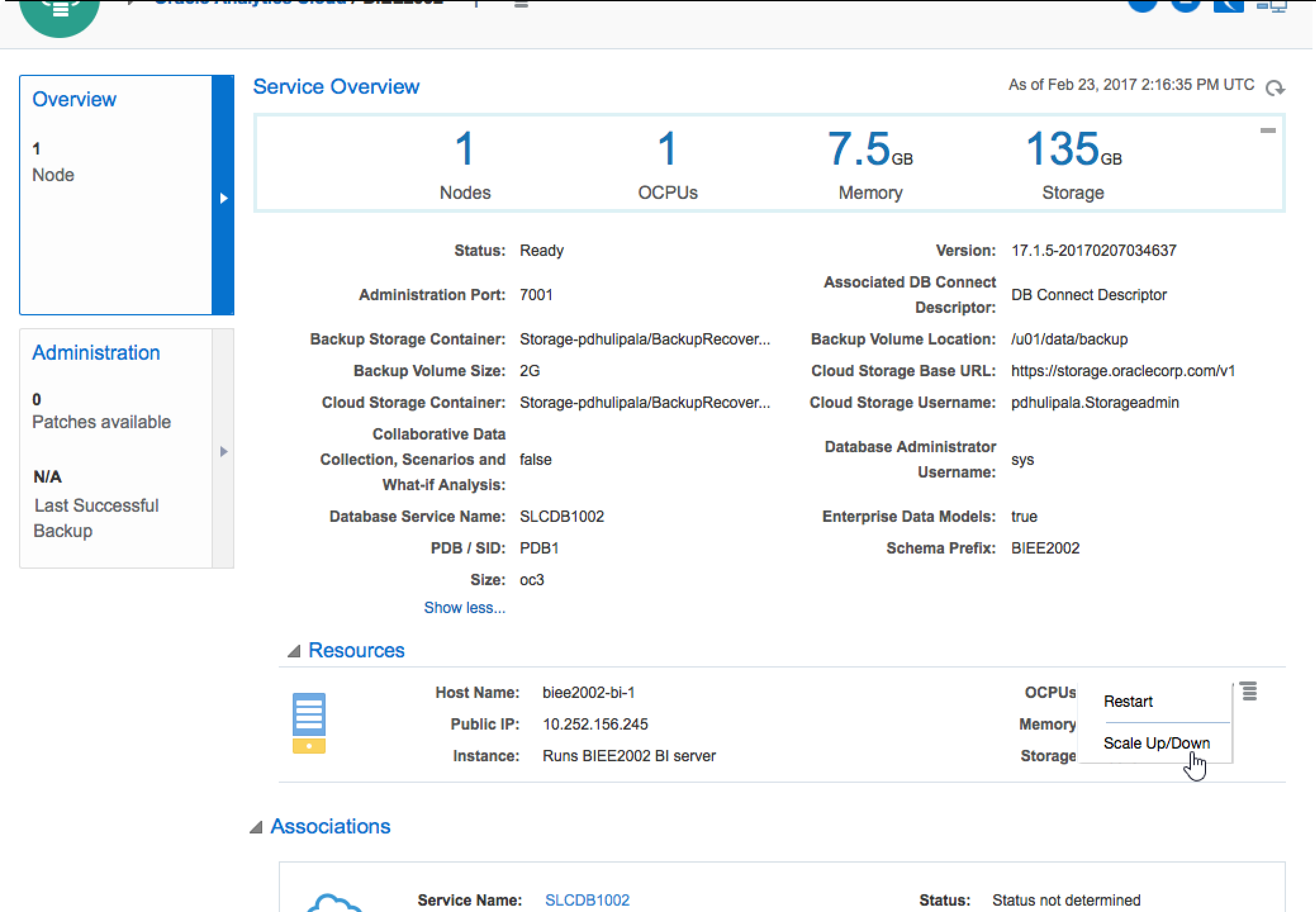
Schema Prefix: BIEE2002

Host Name: biee2002-bi-1

Public IP: 10.252.156.245

OCPUs: 1

Memory: 7.5 GB



Overview

1
Node

Administration

0
Patches available

N/A
Last Successful Backup

Service Overview

As of Feb 23, 2017 2:16:35 PM UTC

1	1	7.5GB	135GB
Nodes	OCPUs	Memory	Storage

Status: Ready
Version: 17.1.5-20170207034637
Administration Port: 7001
Associated DB Connect Descriptor: DB Connect Descriptor
Backup Storage Container: Storage-pdhulipala/BackupRecover...
Backup Volume Location: /u01/data/backup
Backup Volume Size: 2G
Cloud Storage Base URL: https://storage.oraclecorp.com/v1
Cloud Storage Container: Storage-pdhulipala/BackupRecover...
Cloud Storage Username: pdhulipala.Storageadmin
Collaborative Data Collection, Scenarios and What-if Analysis: false
Database Administrator Username: sys
Database Service Name: SLCDB1002
Enterprise Data Models: true
PDB / SID: PDB1
Schema Prefix: BIEE2002
Size: oc3

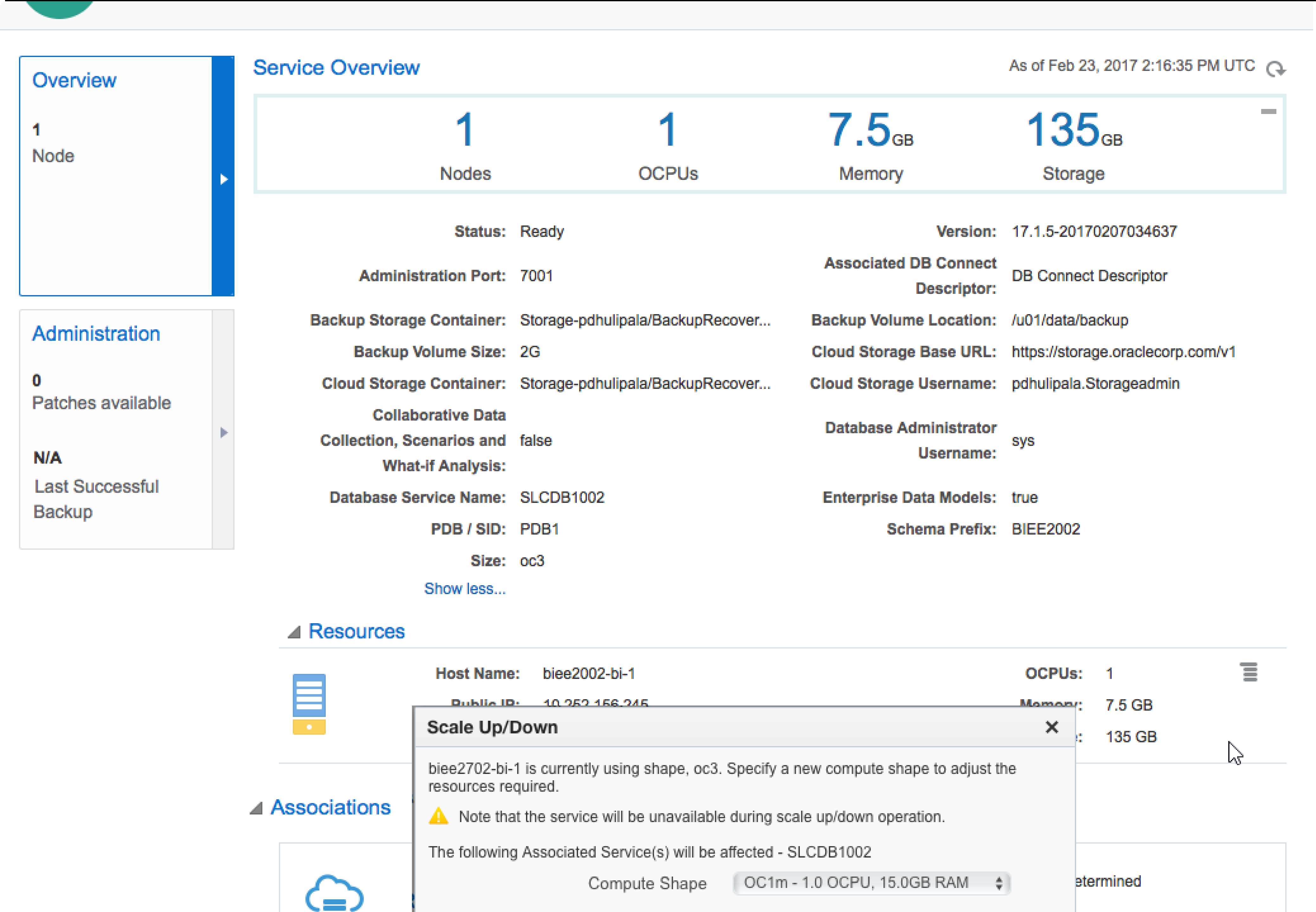
Show less...

Resources

Host Name: biee2002-bi-1
Public IP: 10.252.156.245
Instance: Runs BIEE2002 BI server
OCPUs
Memory
Storage

Associations

Service Name: SLCDB1002
Status: Status not determined



Service Overview

As of Feb 23, 2017 2:16:35 PM UTC

1	1	7.5GB	135GB
Nodes	OCPUs	Memory	Storage

Status: Ready

Administration Port: 7001

Backup Storage Container: Storage-pdhulipala/BackupRecover...

Backup Volume Size: 2G

Cloud Storage Container: Storage-pdhulipala/BackupRecover...

Collaborative Data Collection, Scenarios and What-if Analysis: false

Database Service Name: SLCDB1002

PDB / SID: PDB1

Size: oc3

Version: 17.1.5-20170207034637

Associated DB Connect Descriptor: DB Connect Descriptor

Backup Volume Location: /u01/data/backup

Cloud Storage Base URL: https://storage.oraclecorp.com/v1

Cloud Storage Username: pdhulipala.Storageadmin

Database Administrator Username: sys

Enterprise Data Models: true

Schema Prefix: BIEE2002

Resources

Host Name: biee2002-bi-1

Public IP: 10.252.156.245

OCPUs: 1

Memory: 7.5 GB

135 GB

Associations

etermined

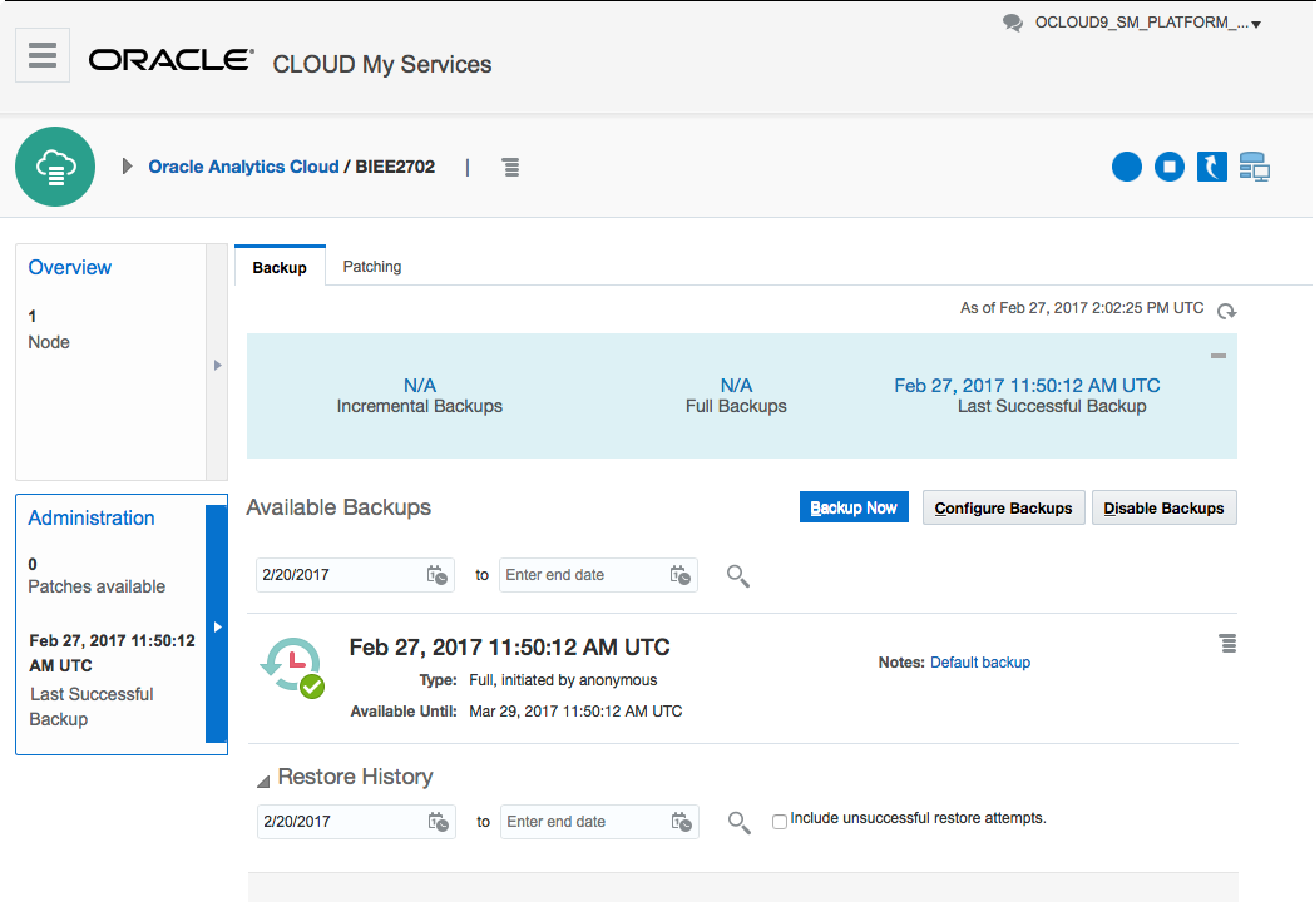
Scale Up/Down

biee2702-bi-1 is currently using shape, oc3. Specify a new compute shape to adjust the resources required.

⚠ Note that the service will be unavailable during scale up/down operation.

The following Associated Service(s) will be affected - SLCDB1002

Compute Shape: OC1m - 1.0 OCPU, 15.0GB RAM


OCLOUD9_SM_PLATFORM_...
ORACLE CLOUD My Services
Oracle Analytics Cloud / BIEE2702
Overview
Administration
Backup
Patching
Available Backups
Backup Now
Configure Backups
Disable Backups
Restore History

1
Node

0
Patches available

Feb 27, 2017 11:50:12 AM UTC
Last Successful Backup

As of Feb 27, 2017 2:02:25 PM UTC

N/A Incremental Backups	N/A Full Backups	Feb 27, 2017 11:50:12 AM UTC Last Successful Backup

2/20/2017 to Enter end date

Feb 27, 2017 11:50:12 AM UTC

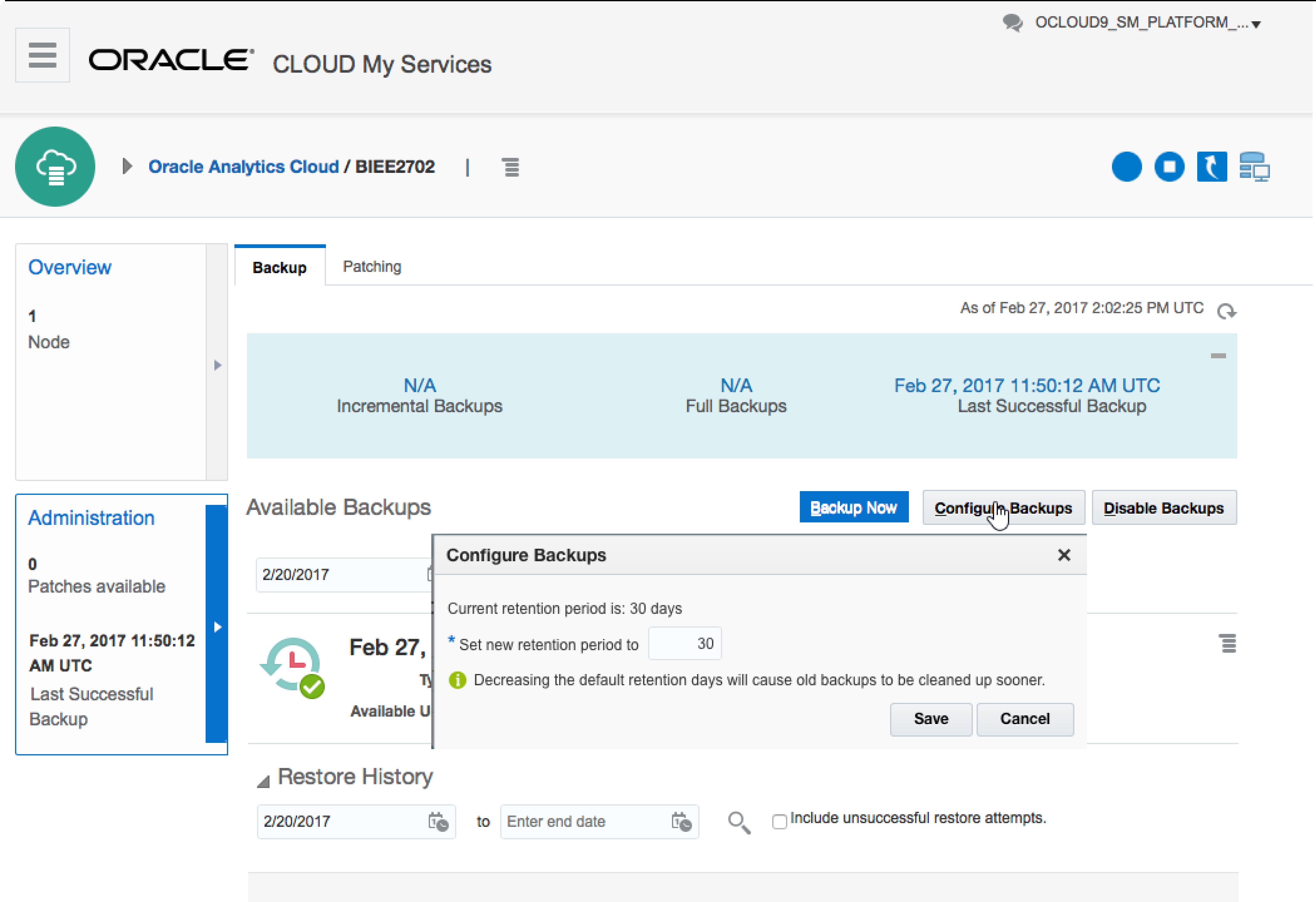
Type: Full, initiated by anonymous

Available Until: Mar 29, 2017 11:50:12 AM UTC

Notes: Default backup

Restore History

2/20/2017 to Enter end date ☐ Include unsuccessful restore attempts.

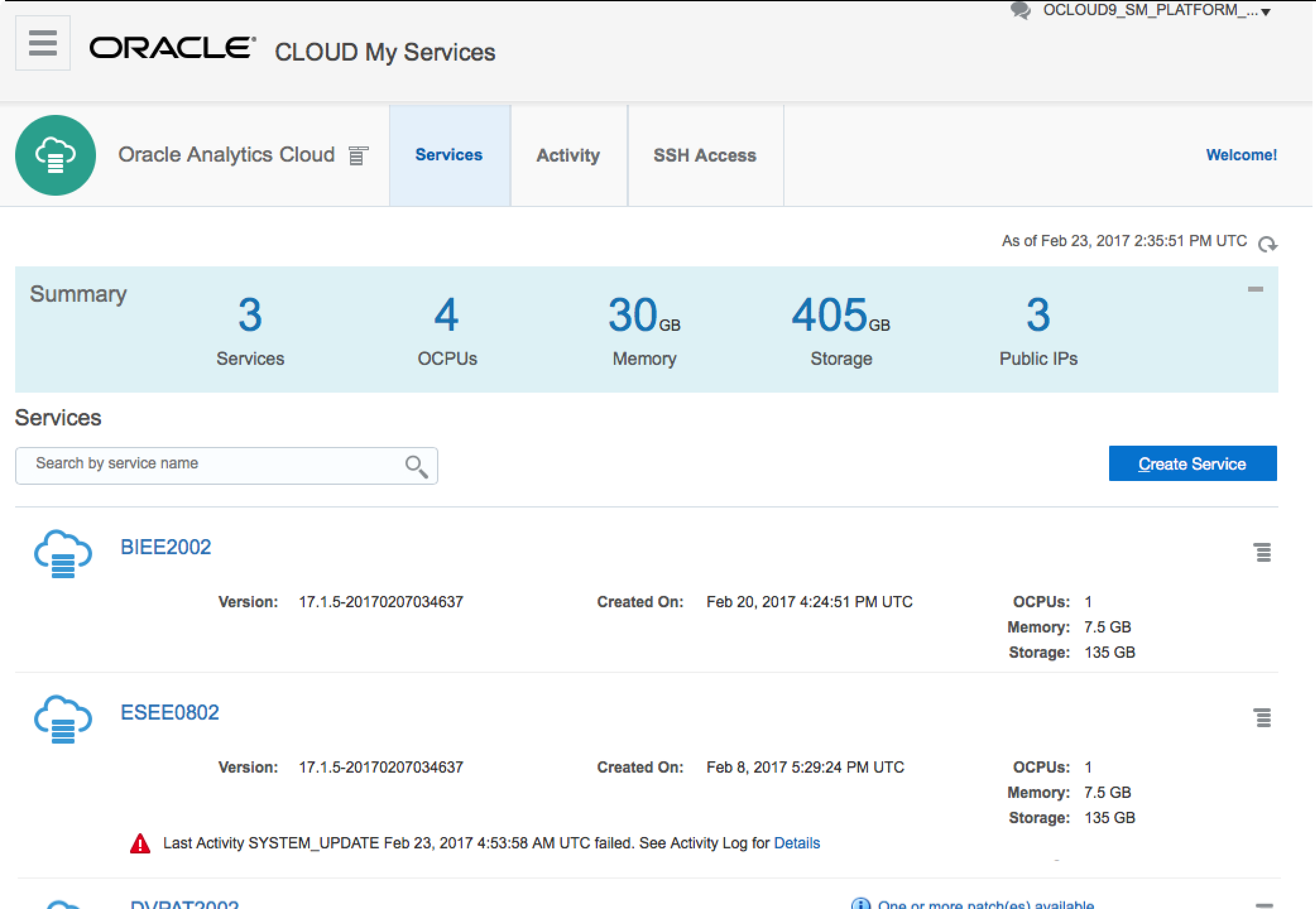

OCLOUD9_SM_PLATFORM_...
ORACLE CLOUD My Services
Oracle Analytics Cloud / BIEE2702
Overview
1
Node
Administration
0
Patches available
Feb 27, 2017 11:50:12 AM UTC
Last Successful Backup
Backup
Patching
As of Feb 27, 2017 2:02:25 PM UTC
N/A
Incremental Backups
N/A
Full Backups
Feb 27, 2017 11:50:12 AM UTC
Last Successful Backup
Available Backups
Backup Now
Configure Backups
Disable Backups
2/20/2017
Feb 27,
Ty
Available U
Restore History
2/20/2017
to
Enter end date
Include unsuccessful restore attempts.
Save
Cancel

Configure Backups

Current retention period is: 30 days

* Set new retention period to 30

Decreasing the default retention days will cause old backups to be cleaned up sooner.


OCLOUD9_SM_PLATFORM_...
ORACLE CLOUD My Services
Oracle Analytics Cloud
Services
Activity
SSH Access
Welcome!
Search by service name
Create Service

As of Feb 23, 2017 2:35:51 PM UTC

Summary

3	4	30GB	405GB	3
Services	OCPUs	Memory	Storage	Public IPs

Services

BIEE2002

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OCPUs: 1
Memory: 7.5 GB
Storage: 135 GB

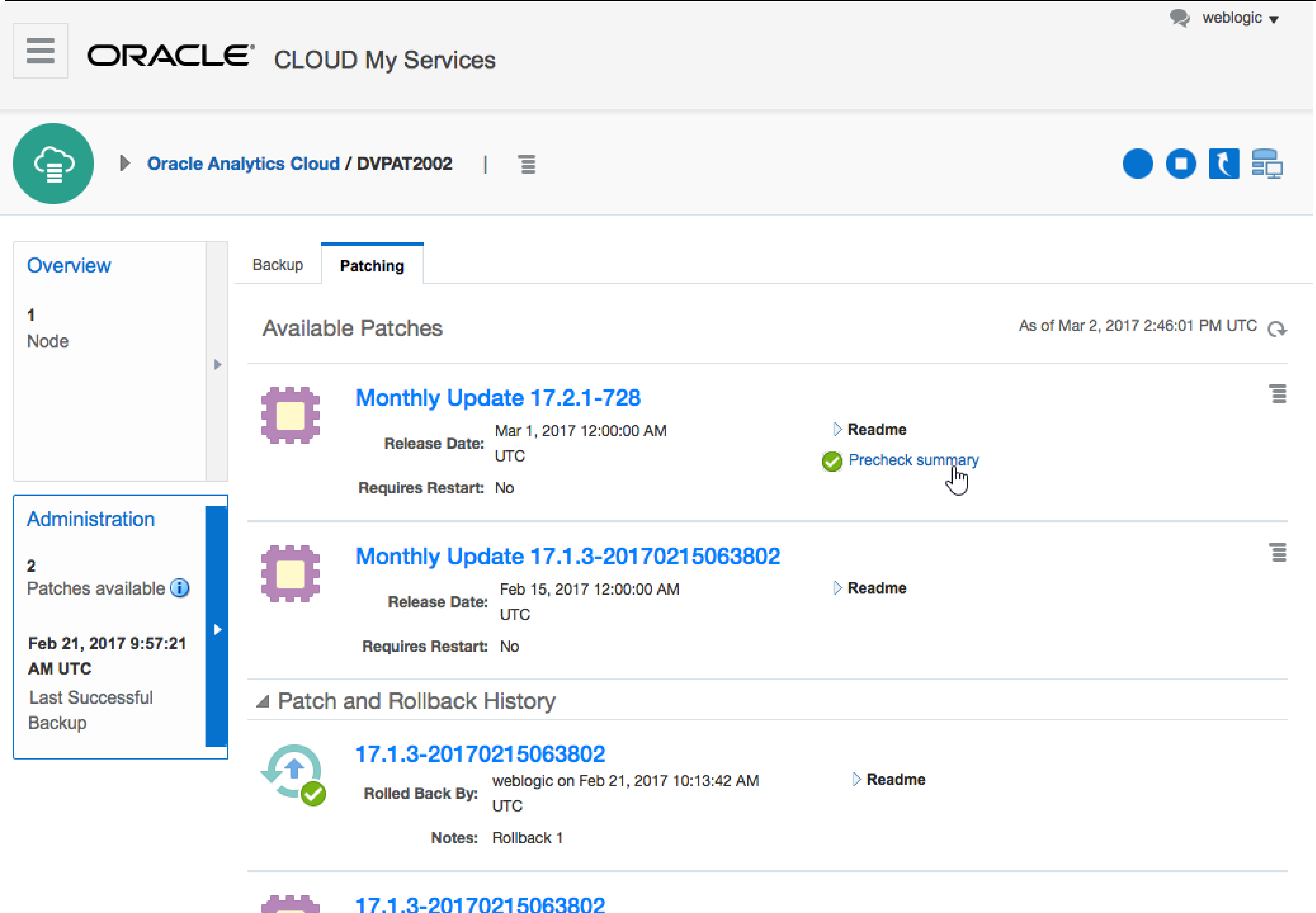
ESEE0802

Version: 17.1.5-20170207034637
Created On: Feb 8, 2017 5:29:24 PM UTC
OCPUs: 1
Memory: 7.5 GB
Storage: 135 GB

Last Activity SYSTEM_UPDATE Feb 23, 2017 4:53:58 AM UTC failed. See Activity Log for Details

DVPAT2002

One or more patch(es) available



weblogic
ORACLE CLOUD My Services
Oracle Analytics Cloud / DVPAT2002
Overview

1
Node

Administration

2
Patches available

Feb 21, 2017 9:57:21 AM UTC
Last Successful Backup

Backup
Patching

Available Patches

As of Mar 2, 2017 2:46:01 PM UTC

Monthly Update 17.2.1-728

Release Date: Mar 1, 2017 12:00:00 AM UTC

Requires Restart: No

Readme
Precheck summary

Monthly Update 17.1.3-20170215063802

Release Date: Feb 15, 2017 12:00:00 AM UTC

Requires Restart: No

Readme

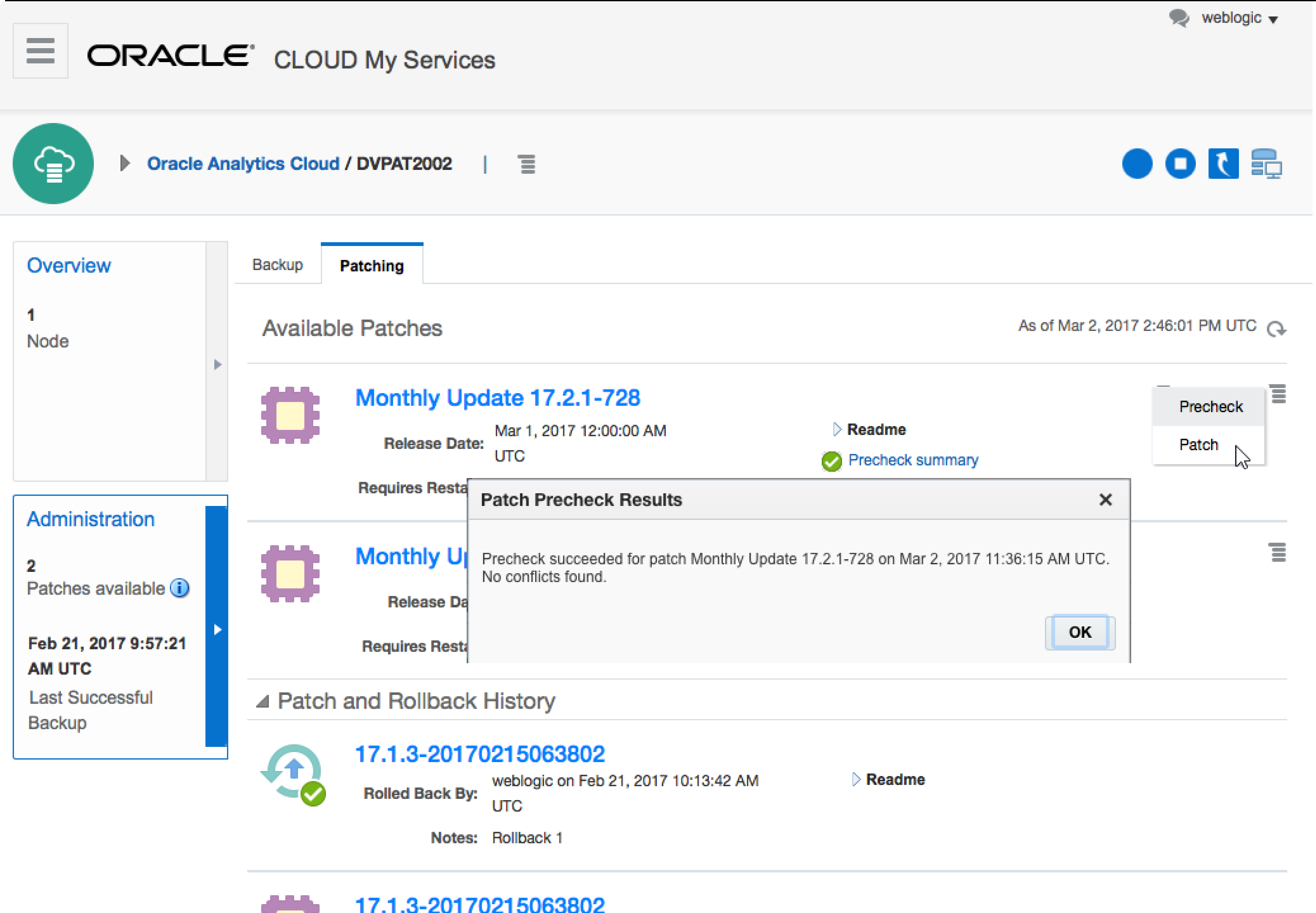
Patch and Rollback History

17.1.3-20170215063802

Rolled Back By: weblogic on Feb 21, 2017 10:13:42 AM UTC

Notes: Rollback 1

17.1.3-20170215063802



weblogic
ORACLE CLOUD My Services
Oracle Analytics Cloud / DVPAT2002
Overview
1
Node
Administration
2
Patches available
Backup
Patching
Available Patches
As of Mar 2, 2017 2:46:01 PM UTC
Precheck
Patch
Readme
Precheck summary
Patch and Rollback History
Readme
OK

Monthly Update 17.2.1-728

Release Date: Mar 1, 2017 12:00:00 AM UTC

Patch Precheck Results

Precheck succeeded for patch Monthly Update 17.2.1-728 on Mar 2, 2017 11:36:15 AM UTC. No conflicts found.

Feb 21, 2017 9:57:21 AM UTC

Last Successful Backup

17.1.3-20170215063802

Rolled Back By: weblogic on Feb 21, 2017 10:13:42 AM UTC

Notes: Rollback 1