"Essbase in the Cloud" an introduction to OAC

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Agenda

- What is Essbase
- Essbase's journey from IT owned analytics software to business analytics platform
- Oracle Analytics Cloud Service : OAC(S)
 - What is OAC
 - How does Essbase Cloud compare with Essbase On-premise
 - Enhanced Reporting features:
 - Data Visualization Cloud Service (DVCS)
 - Business Intelligence Cloud Service (BICS)
 - Sizing your OAC Environment
 - What's coming ? upcoming features update from Oracle
- Demonstration:
 - Navigation
 - we'll browse through OAC new features

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- OAC Cube Designer
 - We'll create an application & cube using from a random dataset, and we'll build powerful analytics, within minutes !

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What is Essbase?

- Essbase is a multidimensional database management system that provides a platform upon which to build analytic applications.
- Multidimensional databases use OLAP, a database technology optimized for processing queries and reports rather than transactions
- In August 2005, Information Age magazine named Essbase as one of the 10 most influential technology innovations of the previous 10 years, along with Netscape, the BlackBerry, Google, virtualization, Voice Over IP (VOIP), Linux, XML, the Pentium processor, and ADSL.
- Essbase has changed the landscape of data analytics, spurred the creation of scores of rival OLAP products and billions of OLAP cubes

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Hyperion Focus 17 Essbase: evolution over the

years



Client / Server era

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3 Tier (Web based) Architecture era

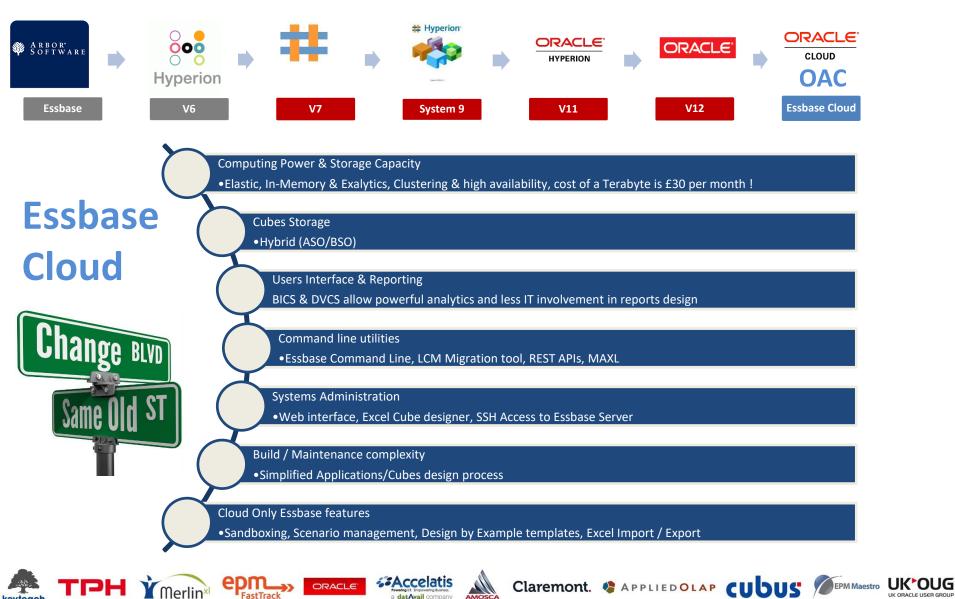
Cloud computing era

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- Essbase has been around for 28 years and has experienced countless facelifts & improvements
- In 2017, Essbase is still one of the most powerful analytics tool on the market

OAC highlights : a modern business analytics platform



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Essbase Cloud vs Essbase On-premise

Feature	Essbase Cloud	On-Premise Essbase
BSO, ASO, Hybrid	Y	Y
Load rules (Dimension & Data)	Y	Y
Calculations: formulas, calculations scripts, MDX scripts	Y	Y
Unicode supported	Y (Default)	Y
Locks (application, database, objects)	Y (Blocks, objects)	Y (database, objects)
Security filters	Y	Y
Migration of on-premises cubes (*)	Y (Export Utility, LCM utility, ESSCLI)	Υ
SmartView & Ad-hoc reporting	Y	Y
Attribute Dimensions, UDAs, Text, date and Boolean data	Y	Y
Duplicate member names and aliases	Υ	Y
Parent-Child and Generation dimension build methods	Υ	Y
On demand backups and patching/upgrades	Y (LCM Utility)	Y
SQL queries for Dimension/data loads	γ	Υ
Multiple Alias tables supported	Y (Alias default & Alias Long name)	Y
Substitutions variables (*)	Y (App and DB level)	Y
Implied Sharing	N	Y
Direct access to the server (FTP, Maxl, Patches, etc)	Y (SSH)	Y
Partitioning	N (upcoming feature)	Y
8 Characters naming(Over 8 digits limitation)	N	Y
Approvals	Y	N
Cube Designer	Y	Ν
Essbase Clients / Reporting Tools	SmartView, DVCS, DVD, BICS, Day by Day	SmartView, Financial reporting

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Hyperion Focus 17 Data Visualization CS & Business Intelligence CS

Complete: Everything You Need for Analytics

Oracle Analytics Cloud combines existing and new services to deliver the industry's most comprehensive analytics in the cloud, providing all the capabilities you expect as well as new ways to capitalize on your organization's collective intelligence:

- Everything you need for analytic agility, from fast, fluid self-service discovery to simple yet sophisticated data loading and blending, powerful inline data prep, automatic visualizations, data storytelling, instant mobile with full authoring, easy and extensible advanced analytics, and more. These capabilities are part of Oracle Data Visualization, which is delivered via Oracle Data Visualization Cloud Service (DVCS), Oracle Data Visualization Desktop (DVD), and integrated into Oracle Business Intelligence Cloud Service (BICS).
- A true governed self-service environment, created by combining the breadth of Data Visualization with the depth of Oracle's enterprise analytics, which includes well-established models for business definitions and security. This combination is delivered in BICS, helping to ensure appropriate access and drive accuracy across your entire organization without sacrificing agility.
- Cutting edge collaboration is driven via Oracle Day by Day, which extends mobile and social concepts to analytics to create a self-learning solution that provides proactive, contextual insights.
- Powerful, easy what-if analysis that allows you to capture the collective intelligence in your spreadsheets by empowering users to bring them together to quickly create and test scenario models in Oracle Essbase Cloud.

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World Class BI

A best-in-class analytics platform offering you the full array of intuitive BI tools you expect

Intuitive Cloud Experience

Friendly interactive interface has built-in guidance and tutorials to get users productive quickly

Advanced Analysis and Visualizations

Select interactive visualizations and easily create advanced calculations to reveal the insights in your data

Interactive Dashboards

Configurable dashboards enable you to quickly analyze and manage activity across the entire system



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Oracle Analytics Cloud (OAC)

- Oracle Analytics Cloud (OAC) is a single strategic platform designed for speed and scale.
- It offers easy access to any source so you make the best use of all your data no matter where it is.
- It provides a variety of options for intelligent analysis without being overwhelming to deploy and manage, using Oracle Data Visualization Cloud Service (DVCS), Oracle Data Visualization Desktop (DVD), and Oracle Business Intelligence Cloud Service (BICS)

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Hyperion Focus 17 Oracle Analytics Cloud (OAC) offering



Standard Edition is a bundle designed for agile analysis in workgroups and includes:

1. Oracle Data Visualization Cloud Service

2. Oracle Data Visualization Desktop (50 licenses per processor)

3. Oracle Essbase, Standard Edition

4. Oracle Smartview



ata Lake

Starter Environment for building and running Data Flows at scale, visualizing and analysing data using What-If and Scenario Modelling capabilities.

Data Lake was announced 2 weeks ago at Open World. The offering details are yet to be released, but the aim is to provide customers with a powerful data hub and enable reporting across subject areas

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Enterprise Edition is a bundle designed to span analytic needs across workgroups and the enterprise. It includes everything in Standard Edition and adds:

1. Oracle Business Intelligence Cloud Service & OBI Excel Plugin

2. Oracle Essbase, Enterprise Edition (adds the following features to Essbase Standard: Essbase sandboxing via a builtin sandbox dimension, scenario management, and the capability to connect to cubes on other instances via partitioning or XREF/XWRITE functions)

EPM Maestro UK OUG

3. Oracle Day by Day

Oracle Analytics Cloud leverages other Oracle cloud products for storage and infrastructure so must be purchased with:

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- Oracle Database Cloud Service, any edition
- Oracle Compute Cloud Service, Block Storage

Y Merlin²

Oracle Storage Cloud Service



Sizing your OAC environment: recommendations

- PaaS dependencies
 - Data Storage
 - Compute
 - Backup
- Key elements to consider
 - Universal Credits
 - Sizing metrics
 - Common Pitfalls

Pricing Highlights

- Pay per instance and usage per hours/day/month
- Compute: pay OCPU per hour (sizing metric)
- Storage pay per TB

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 Database Backup – Pay per request & storage capacity

Merlin

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OAC works together with Oracle's worldclass database, cloud storage, and other analytics services to ensure you have the best solution in the industry.

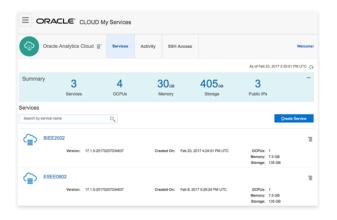
PREREQUISITES

Oracle Analytics Cloud leverages other Oracle cloud products for storage and infrastructure so must be purchased with:

- Oracle Database Cloud Service, any edition
- Oracle Compute Cloud Service, Block
 Storage

EPM Maestro UK OUG

Oracle Storage Cloud Service







What's coming? Upcoming OAC features

- Latest patch: OACS 17.4.1 ٠
 - Support for Oracle Planning and Budgeting Cloud service as a data source.
 - Enhancements to Essbase Cloud
 - Update to Data Visualization 3.0
 - New custom themes feature to allow customer to "brand" the user interface
 - In addition, the release is certified on Oracle Cloud Machine
 - Latest releases and patch updates:
 - http://docs.oracle.com/en/cloud/paas/analytics-cloud/acswn/index.html

As of October 2017, the following features are expected in upcoming releases:

- Custom Map layers (DV)
- IDCS integration
- Scale-out









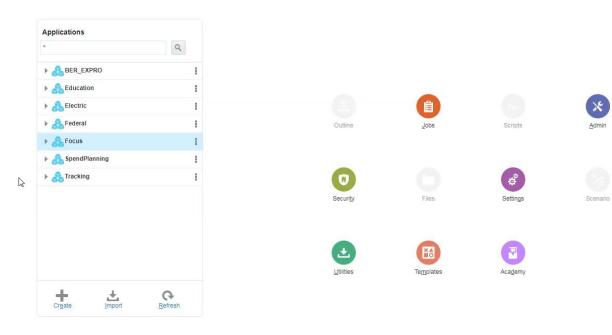


Demonstration:

Navigating through the new Essbase interface

ORACLE' Analytics Cloud - Essbase

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Demonstration

Let's create an Essbase cube in 5 minutes using a random data set (London visitors statistics 2002-2016)

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Comparisons of international lourist arrivals with other world cities are produced by Euromonitor and in Mastercard's Global Destination Cities Index of 2012, 2013, 2014, and 2015. © international visitos tourists oversees tourism visits opend trips toudey > Data & Resources > © international-visitors-london.xts (0.57 MB) © Image: International-visitors-london.raw (4.28 MB)	Some additional data on domestic tourism can be found on the Visit Britain website, and Visit England both overnight tourism and Day visits pages. Data on accomodation occupancy levels is also available from Visit England.
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Demonstration

We've created an OAC Essbase cube and accessed raw data through SmartView



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Australia	visits	436.891727	450.7136469		552.6481023				.1908 624.276							8681.03				
New Zealand	visits	82.67217579	100.5428158		121.74207				.8188 111.301						107.7007					
Inited Arab Emirates	visits	60.55888008	58.28502412				91.49002 12		1.427 107.223						185.3948					
Saudi Arabia	visits	42.84165688	34.14979388		36.98299377				58816 54.2115							968.1131				
Kuwait	visits	31.05902398	36.17274383				46.68941 35			1 52.78124				83.3674		818.2197				
Other Middle East	visits	80.63076374	66.86064006		77.7544701				.1255 97.3680						48.23688					
Egypt	visits	19.67617778	25.03316723						7256 31.0468						34.13123				😭 Add to Private connections	
Israel	visits	152.7075655 135.2455692	122.6738492 130.3682433				102.6993 12		.9305 122.843				147.5787 252.3192						3 Ad hoc analysis	
India	visits						219.6904 24		7.913 235.926										Bet Active Connection for this V	Vorks
Pakistan South Africa	visits	43.01746579 162.5305942	35.56323424 156.753932				55.53223 47.		.3764 32.4862 .5363 123.439										🌮 Create new Smart Slice	
Other Southern Africa	visits		156./53932																New Smart Query Sheet	

Now, let's get more insights using DVCS / BICS



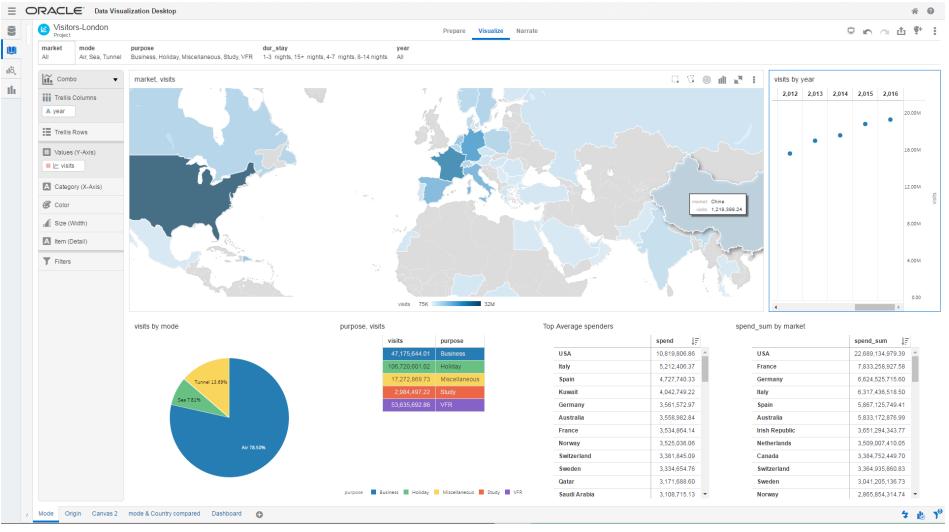








Data Visualization dashboard (created in 5 min)



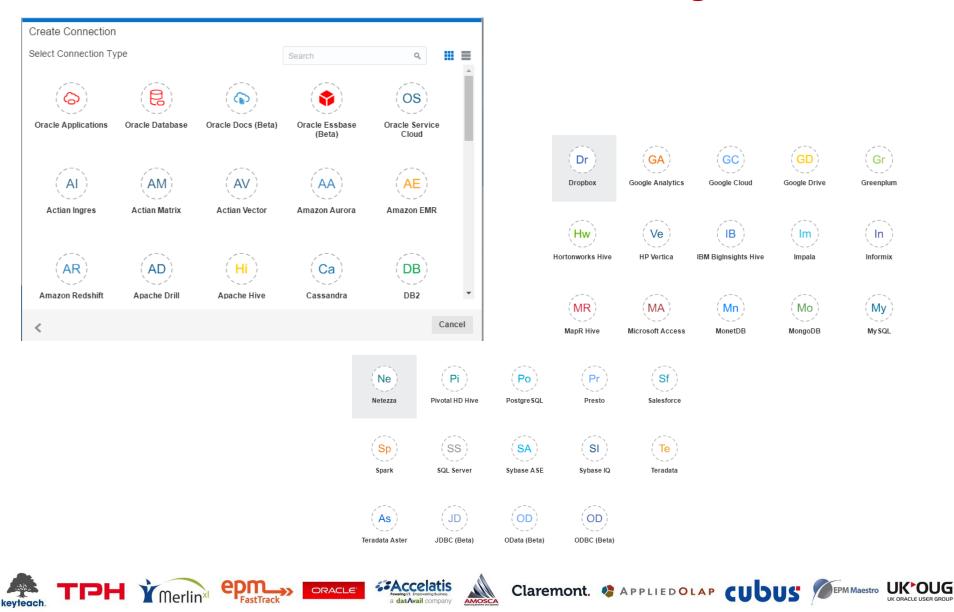




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Self Service data blending



Hyperion Focus 17 OAC offers two options for applications & cubes design

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										5 2002 6 2002	2 Q1 2 Q1	Belgium 1-3 nights Air Belgium 1-3 nights Sea				53874 0.0101 54867 0.01678		1		
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Version	1.0									9 2002	2 Q1	Belgium 1-3 nights Tunnel Belgium 1-3 nights Tunnel	el Busir	iness LONI	NDON 6.052	2632 1.44669	597 10.42855	16		
										10 2002		Belgium 1-3 nights Tunnel Belgium 1-3 nights Tunnel	el VFR	LONI	NDON 5.559	9403 0.4681 04948 0.46572	314 9.441416	13		
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