



Migrating from OBIEE to OAS

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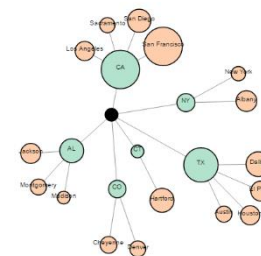
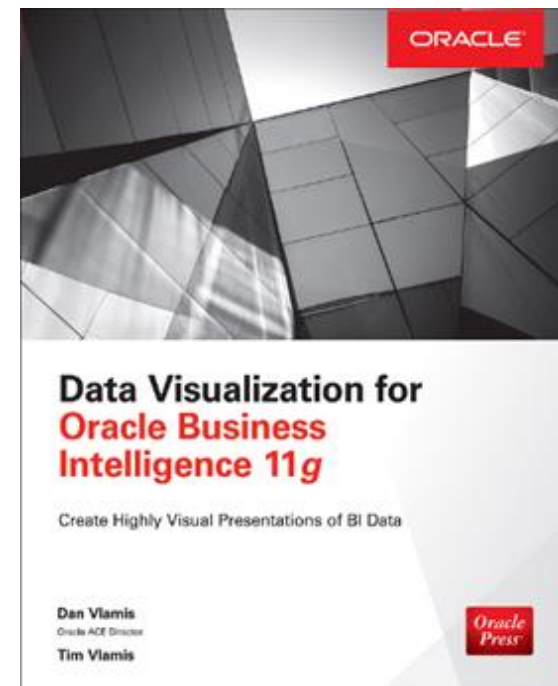
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Vlamiis Software Solutions

- Founded in 1992 in Kansas City, Missouri
- 400+ Enterprise Clients
- Consults in :
 - Enterprise Business Intelligence & Analytics
 - Analytic Warehousing
 - Machine Learning and Predictive Analytics
 - Data Visualization
 - ETL and data integration
- Multiple Oracle ACEs, consultants average 15+ years
- Creators of the [Force Directed Graph Plugin](#) on [Oracle Analytics Library](#)
- www.vlamiis.com (blog, papers, newsletters, services)
- Co-authors of book “Data Visualization for OBI 11g”





Use Questions or Chat or Questions to communicate

Oracle Analytics Webinars — Vlami

www.vlami.com/oaweinars

Getting Started OAC Partner Dev Portal Bing Maps - Direction... Flight Status | San Fran... Speaker Stats Dashboa...

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Presentations

Presentations 2020

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Presentations 2018

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Presentations 2002

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Oracle Analytics Webinars

Oracle Analytics Webinars 2020

- What's New in Oracle Analytics 5.5
 - [Webcast March 5, 2020 - Register now!](#)
- Migrating from OBIEE to Oracle Analytics Server (OAS)
 - [Webcast March 11, 2020 - Register now!](#)

2019

- Analytics and Data TechCast - What's New in OAC 105.4
 - [Webcast November 7, 2019](#)
- New Features in Oracle Analytics Cloud 105.4.0
 - [Webcast November 5, 2019](#)
- New Features in Oracle Analytics Cloud 105.3.0
 - [Webcast July 25, 2019](#)
- New Features in Oracle Analytics Cloud 105.3.0
 - [Webcast July 10, 2019](#)

Chat Raise Hand Q&A



Agenda

- Introduction - Overview
- OAS catches up to OAC – May 2018 through Feb 2020
- What's new since OBIEE 12.2.1.4?
- OAS vs OAC – what's the difference?
- What is involved in upgrading OBIEE to OAS?
- Demo a few OAS new features



Oracle Analytics New Features Webcasts

- 11.1.1.3 (August 2010)
 - Huge release with major new functionality
- 11.1.1.5 (May 2011)
 - BIWA TechCast May 25: [Oracle BI 11.1.1.5 - New Features](#)
- 11.1.1.6 (February 2012)
 - BIWA TechCast Feb 29: [Oracle BI 11.1.1.6 New Features](#)
- 11.1.1.6.2 and 11.1.1.6.2 BP1 (May 2012 and June 2012)
 - BIWA TechCast Aug 1: [Oracle BI 11.1.1.6.2 BP1 New Features](#)
- 11.1.1.7 (April 2013)
 - BIWA TechCast Apr 5 [Oracle BI 11.1.1.7 New Features](#)
- 11.1.1.9 (May 2015)
 - BIWA TechCast Jun 4, 2015 [Oracle BI 11.1.1.9 New Features](#)
- 12.2.1 (October 2015)
 - BIWA TechCast Nov 19, 2015 [Oracle BI 12.2.1 New Features](#)
- BICS March 2016 (March 2016)
 - Webcast Apr 5, 2016 BICS [BICS March 2016 New Features](#)
- 12.2.1.1 (June 2016)
 - BIWA TechCast Jul 19, 2016 [Oracle BI 12.2.1.1 New Features](#)
- 12.2.1.2 and DVD 2.0 (October 2016)
 - Webcast Nov 22, 2016 [DVD 12.2.2 and OBIEE 12.2.1.2. New Features](#)
- DVD 3.0 (June 2017)
 - Webcast Aug 29, 2017 [DVD 3.0 New Features](#)
- DVD 4 (October 2017)
 - Webcast Nov 9, 2017 [DVD 4 New Features](#)
- OAC 4 (December 2017)
 - Webcast Dec 19, 2017 [OAC 4 New Features](#)
 - Webcast Apr 4, 2018 [Migration from OBIEE to OAC Webinar](#)
- 12.2.1.4 (June 2018)
 - Webcast Jun 19, 2018 [Oracle BI 12.2.1.4 New Features](#)
- OAC 18.3.3 (September 2018)
 - Webcast Sep 19, 2018 [OAC 18.3.3 New Features](#)
- OAC 19.1.1 (January 2019)
 - Webcast Jan 19, 2019 [OAC 19.1.1 New Features](#)
- OAC 19.1.1 (January 2019)
 - Webcast Jan 19, 2019 [Intro to OAC Running on ADW](#)
- OAC 105.2 (April 2019)
 - Webcast Apr 23, 2019 [OAC 105.2 New Features](#)
- OAC 105.3 (June 2019)
 - Webcast Jul 25, 2019 [OAC 105.3 New Features](#)
- OAC 105.4 (October 2019)
 - Webcast Nov 5, 2019 [OAC 105.4 New Features](#)
- OAC 5.5 (February 2019)
 - Webcast Mar 5, 2020 [OAC 5.5 New Features](#)

[Migrating From OBIEE to OAS](#)
Webcast March 11, 2020

All listed on website at <http://www.vlamiS.com/oaweinars/>

New analytics products



Oracle
Analytics
Cloud
(OAC)



Oracle
Analytics
Server
(OAS)



Oracle
Analytics for
Applications
(OAX)



OAS 5.5 Catches Up to OAC 5.5

OBIEE 12.2.1.4	OAC 4	May 2018
	OAC 5	Sep 2018
	OAC 19.1.1	Jan 2019
	OAC 105.2	Feb 2019
	OAC 105.3	Jun 2019
	OAC 105.4	Oct 2019
OAS 5.5	OAC 5.5	Feb 2020

OAC 18.3.3 (DV 5) Selected New Features Overview

A. Data Preparation

1. Recommendations – Transformations & Enrichments
2. Data Preparation Scripts

B. Data Flows & Data Sources

3. Incremental Processing
4. Parameterized Sources & Output
5. Dataflow Branching Node
6. Function Shipping Calculations to BDC
7. Output Data Set Aggregation Control
8. Dataflow Status Inspector
9. Data Replication (New Sources & Targets)
10. Local Subject Area Data Set
11. Multiple ADWC Connections with dialog box

C. Data Visualizations

12. New Visualizations :
Grid Heatmap, Correlation Matrix, Picto Charts, 100% Stacked Bar, Area
13. Maps - Multiple Data Layers
14. Maps - Dynamic Heatmap
15. Maps – Google & Baidu base maps
16. Tool Tip Grammar Support
17. Experience Enhancements
 - Value as % for Treemap & Sunburst
 - Auto Save
 - Zoom to Value range for Axis
 - Copy Data to Clipboard
18. Publish Event Action to External Portal

D. Other

19. Data Set Replace

20. Explain Enhancements

21. Object Inspectors Consistency
22. Data Sets Permission-ing
23. Console Menu Reorganized
24. User Profile
25. Tableless Navigation
26. Data Set Storage Management
27. Search/Ask Improvements
28. Day by Day Improvements

D. BI Publisher

29. BIP Improvements

E. Essbase

30. Essbase Improvements

To be demoed in OAC 18.3.3 What's New Webcast

OAC 19.1.1 (DV 5.1) Selected New Features Overview

A. Admin

1. Choose Objects to Migrate Between OAC Instances
2. Console Allows Config Changes & Restart Services
3. Catalog Manager
4. DSS/Data Prep Public Rest APIs
5. Quick Start Templates – Easier to Create Instances

B. Data Sources & Data Viz

6. Easier to Create ADW and ATP DB Connections
7. Suppress row on/off, show duplicates

C. BI Publisher

8. Bar File inclusion
9. Essbase POV Parameter Support

D. Essbase

12. Oracle Autonomous Database support
13. Multi-cell Drill Through
14. Calc Tuple Support
15. Outline Support for Alias Tables in Web UI
16. Smart View support for Ancestor On Top
17. Auto Generation of Aggregate Views
18. Named Queries and Layouts
19. Other New Features
20. New Gallery Templates

To be demoed in OAC 19.1.1 What's New Webcast

OAC 105.2.0 Selected New Features Overview

A. Close OCI Admin Gaps

1. ~~Start/Stop, Scale up~~
2. Additional Configure System Settings
3. Increased System Limits
4. Usage Tracking
5. Java-script enablement
6. Light Write back (Answers)

B. Enhance Viz Experience

7. General UI Enhancements
8. Improved Auto-Chart & Chart Selector
9. Enhanced Chart-Vizs Properties
10. Pivot Table Interactive Formatting
11. Pivot Table Asymmetric selections

12. Viz data-copy enhancements
13. Relative Time filtering
14. OSM Map Background
15. Points cluster layer
16. Size-by on line layers
17. Shapes edge & Map Dist. Selection

C. Collaborative & Actionable

18. Data point linked-annotations
19. Project Read only Mode
20. Sharing improvements
21. ~~Custom Actions plugins for DV~~
22. BIP sourcing from Data Flows

D. Deeper Data Flows

23. Undo/redo, zoom, show labels
24. New Branch Aggregate/Transform steps
25. Single click rename/delete
26. Customize Essbase cube outline
27. DF Inspect details, Hourly Schedules
28. Enhanced Job monitoring

E. Enterprise Data Sources

29. Snowflake Connector
30. RDC Installer, Direct XSA Connector
31. RDC New Datasources
32. Data Prep Experience Enhancements
33. SSO pass-on for OTBI Datasources

OAC 105.3.0 Selected New Features Overview

A. Admin / OCI (Oracle Cloud Infrastructure)

1. Pause/Resume services
2. Scale up/down for Subscription SKUs
3. Enhanced Service Admin Console

B. Data Sources

4. Data Gateway (Source from On Prem)
5. RDC for Teradata data-sources
6. SSL for Redshift
7. Essbase Alias in DV sources

C. Data Visualization

8. NLG – Language Narrative
9. Pivot Tables enhancements
10. Viz tooltips on/off toggle
11. ETS (Error, Trend, Seasonal) Forecast
12. Canvas Experience enhancements
 - Rename and copy
 - Enable/Disable Brushing
 - Single Refresh Data
13. Recommendation Enhancements

D. BI Publisher

14. Audit Feature Support
15. Auto Scaling

OAC 105.4 Selected New Features

Self-Service Analytics

1. Unified Home page
2. Copy Vizs & Canvas across projects
3. DV fonts and color customization
4. Right-click-forecast on all Time levels
5. Maps ambiguous location-matches
6. Spatial-functions in RPD models
7. Improving dashboard "Explore in DV"

Search/Ask

8. Recognize plurals & autocorrect for searches
9. BI searching catalog content
10. DxD SSO Setup

DataFlows / DataPrep

11. Export/Import data-flows
12. Additional Nodes & Wizards : Split column, trim spaces
13. Data Flow Tool tips
14. OCI Storage for FA data replication

OA Publisher

15. SSL for datasources
16. Scheduler REST APIs
17. Hiding mandatory parameters

Data Sources

18. More support for SSL Encrypted datasources
19. SSL & RDG for Big Data providers & Support for Oracle Big Data SQL
20. RDG for Tier2 sources (Spark,Hive, Redshift...)
21. PBCS Enhancements
22. Thousand/Decimal separator pick in CSV imports

Security/Admin

23. Top level URL changes
24. Login check for embedded content
25. Kerberos authentication

Internal Playlists bit.ly/OAC54Features

OAC 5.5 Selected New Features

Self-Service Analytics

1. New Butterfly visualization
2. Maps : auto-assign layer to data column
3. Maps : auto focus property for maps
4. Grand/Sub total control parameters in pivot/table
5. Canvas/Project background setting options
6. Empty spacer visualization
7. Explain - Categorical drivers reference line
8. Hierarchical Coloring option

YouTube Playlist bit.ly/OAC55Features

Data Sources

9. NetSuite connection type
10. Data Gateway support for Essbase, ADW, ATP and Oracle Apps
11. BIP Data Gateway interface
12. Oracle DB – Advanced connection options

Security/Admin

13. Cascading folders on catalog folders
14. Setting Session Defaults via System Settings

To be demoed live in OAC 5.5 webinar





OBIEE vs OAS (What got left behind?)

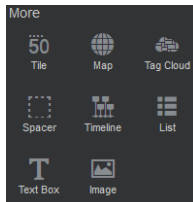
- Scorecard and Strategy Management
- Oracle Marketing Segmentation
- Flash templates
- BI Composer
- BI Scheduler Job Manager
- XML and flat file data sources via RPD
- Thin client modeler
- Act as another user
- Session Personalization using System Session Variables

For more information, see <https://docs.oracle.com/en/middleware/bi/analytics-server/whats-different-oas/index.html#OASWD-GUID-C907A4B0-FAFD-4F54-905C-D6FCA519C262>

OAS & OAC Differences

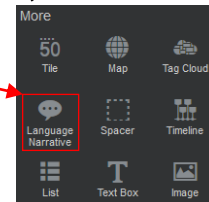
OAS

- Runs on premise
 - Run in data center or “in the cloud”
 - Customer administers
- ~~Pay extra for~~ includes DV interface
- Data modeling same (RPD, XSA)
- Pay for license and support
- Sold by license sales force
- Annual releases
- Can change configuration files



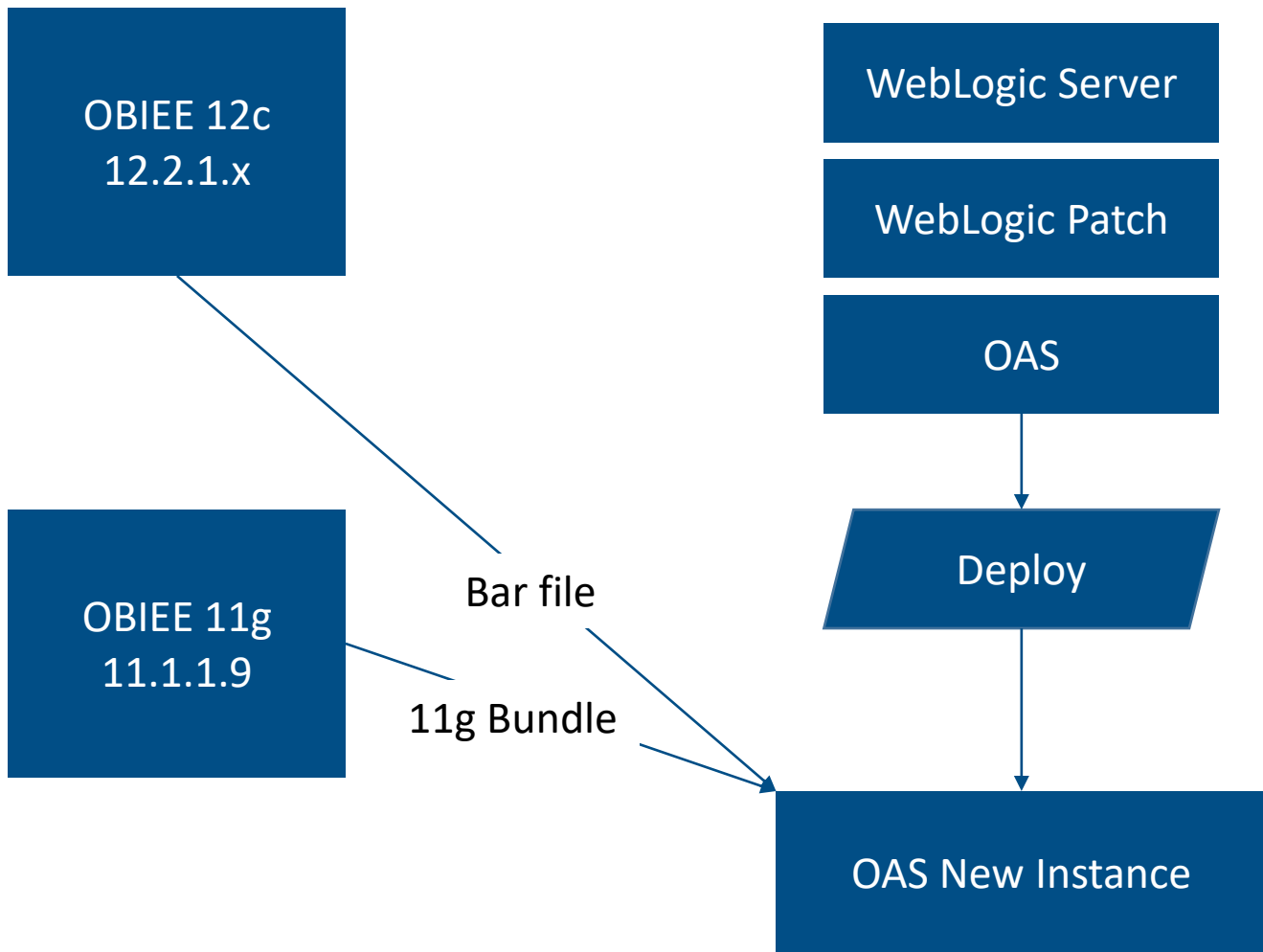
OAC

- Runs on Oracle Cloud
 - Can run on “cloud at customer”
 - Have private instance (unlike BICS)
- Includes DV interface
- Data modeling same (RPD, XSA)
- Pay by the hour or month
- Sold by cloud sales force
- Monthly/Quarterly releases
- Includes Day by Day for mobile, Language Narrative Viz
- Data Replication





Migration Process Overview



Installation Prerequisites

- Review Installation and Upgrade documentation
- Verify system information
 - OAS 5.5 is only supported on Linux 6 and 7
 - Only Oracle DB is supported for the RCU DB for OAS 5.5
- Obtain software distributions
 - FMW 12.2.1.4 Infrastructure and required patches
 - Requires JDK 8 (u191 and above)
 - OAS 5.5
- Determine upgrade path
 - In-place upgrade is supported only from OBIEE 12.2.1.4
 - Out of place upgrade is supported for OBIEE 11.1.1.9 and 12.2.1.x
- Backup existing systems as required

Upgrade Options

- In-Place Upgrade
 - Supported from OBIEE 12.2.1.4 Only
 - Allows installation on a pre-existing OBIEE host
 - Binaries are written to a new Oracle home
 - Domain is over-written
 - System schemas upgraded
- Out of Place Migration
 - Supported for OBIEE 11.1.1.9 and 12.2.1.x
 - New installation on “fresh hardware”
 - Migrate metadata and configurations from source environment to OAS
 - For 11g, export bundle
 - For 12c, bar file

In-Place Upgrade

- Upgrades a pre-existing OBIEE 12.2.1.4 installation
 - Binaries are written to a new Oracle home
 - Existing domain is over-written
 - System schemas upgraded
- Upgrade steps
 - Ensure system is backed up
 - Install product distributions
 - Run pre-upgrade check
 - Upgrade system schemas
 - Reconfigure domain
 - Upgrade domain configuration

Out-of-Place Install and Upgrade

- Install product distributions
- Create system schemas
- Configure domain
- Create metadata export from source environment
 - For 11.1.1.9, use migration utility to create the export bundle
 - For 12.2.1.x, create bar file
- Migrate metadata to new environment

Post Migration Configuration

- Migrate Catalog Groups (11g) as applicable
- Migrate system configuration: Weblogic security, Enterprise manager security, EM managed BI config settings, EM managed log configurations,
- Configure ODBC.INI, DSNs for reporting datasources
- Migrate BI Server, BI Presentation Server, BI Publisher, Mapviewer, Javahost configurations
- Configure Usage Tracking
- Re-implement customizations: e,g, writeback templates, custom skins, custom scripts etc

OAS 5.5 Selected Features Demo

Self-Service Analytics

1. New visualizations
Grid Heatmap, Correlation Matrix, Picto Charts, 100% Stacked Bar, Area, Butterfly, Language Narrative, Spacer
2. Maps : Multiple layers, Heatmap
3. Color and font control

UI in General

4. New DV home page
5. Explore in DV in Dashboards area
6. Ask/search improvements
7. Copy vizes and canvases between projects
8. Data Set Replace

Data Preparation & Data Flows

9. ML Recommendations, data prep scripts
10. Split / Trim, undo, lots more

Data Sources

11. Lots new data sources
12. Remote Data Gateway replacing RDC

Security/Admin

14. Cascading folders on catalog folders
15. Admin console
16. Migrate objects
17. Usage tracking
18. Setting Session Defaults via System Settings



Oracle Analytics Library

Data Visualization Cloud x


Secure | https://www.oracle.com/solutions/business-analytics/data-visualization/library.html

Overview Library Gallery

Overview **Plug-ins** Sample Projects Maps & Spatial Machine Learning Essbase Samples

Search

How to deploy Analytic Samples sort by Last Updated ▾




+ Presentation Variable Prompts

Oracle
April 18, 2018

Use this custom plugin to set the value of any presentation variable from within a DV canvas. Presentation variables allow to make dynamic columns or dynamic constants in any Oracle DV custom calculation

[Download](#)




+ Custom Tiles

Oracle
April 05, 2018

The Custom Tile plugin allows users to frame rules for performing conditional formatting on a performance tile. The layout of the tile is highly flexible with large number of formatting options which makes it better for representing KPIs.

[Download](#)




+ InfoGraphic Sample Plugin

Peak Indicators
Mar 15, 2018

This Info Graphic sample plugin developed by PEAK indicators enables you to display nice info graphic visuals within Oracle DV. It supports the use of your own custom images. A number of properties that allow you to specify the icon to use, font size, look at icons only for a specific population etc make this a very compelling visualization.

[Download](#)




+ Mobile Grid Bars Plug-in

Oracle
Feb 05, 2018


Designed specifically for mobile devices highlighting the use of a variety of bar charts.

[Download](#)




+ Image Gallery Plug-in

Oracle



+ DV Governance



+ Force Directed Graph Plugin

Vlamis
Jan 18, 2018

The Force Directed Graph plugin allows you to easily visualize hierarchical data. Each

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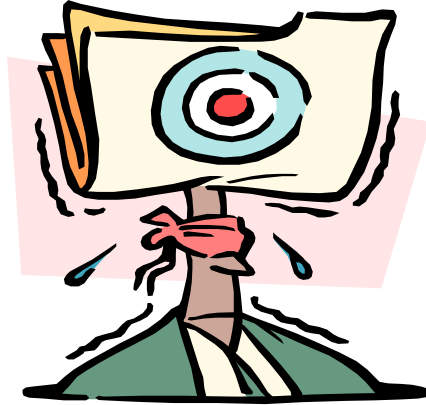
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Chat



Resources and Questions?



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Vlami Home www.vlami.com Blog www.vlami.com/blog Prior OBIEE releases www.vlami.com/oawebinars

Blog article with links on Getting Started with Oracle Analytics <http://www.vlami.com/blog/2019/7/11/getting-started-with-oracle-analytics>

OAC What's New Documentation <https://docs.oracle.com/en/cloud/paas/analytics-cloud/acswn/index.html#ACSWN-GUID-CFF90F44-BCEB-49EE-B40B-8D040F02D476>

OAS Documentation <https://docs.oracle.com/en/middleware/bi/analytics-server/>

OBIEE vs OAS: <https://docs.oracle.com/en/middleware/bi/analytics-server/whats-different-oas/index.html#OASWD-GUID-C907A4B0-FAFD-4F54-905C-D6FCA519C262>

Oracle Analytics Library with plugins <http://bit.ly/OAClibrary> and demos <http://bit.ly/OACLIVE>

YouTube channel Oracle Analytics from SampleApp Team <https://www.youtube.com/user/EvolvingBI/videos>

YouTube video playlist on OAC 5.5 new features bit.ly/OAC55Features

Course on Oracle Analytics <https://www.udemy.com/course/augmented-analytics/>