Vlamis Software founded in 1992 in Kansas City, Missouri
Developed 200+ Oracle BI and analytics systems
Specializes in Oracle-based:
- Enterprise Business Intelligence & Analytics
- Analytic Warehousing
- Data Mining and Predictive Analytics
- Data Visualization
Multiple Oracle ACEs, consultants average 15+ years
www.vlamis.com (blog, papers, newsletters, services)
Authored book “Data Visualization for Oracle BI”
Co-authors of book “Oracle Essbase & Oracle OLAP”
Oracle University Partner
Oracle Gold Partner
OBIEE and BICS 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](#)
  - New features mostly for Exalytics

- **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](#)
  - BI Mobile rewrite
  - Trellis Views

- **11.1.1.7 (April 2013)**
  - BIWA TechCast Apr 5 [Oracle BI 11.1.1.7 New Features](#)
  - Freeze headers/scroll bars for tables and pivot tables
  - View content in SmartView in Excel and enhanced export
  - New Oracle R Enterprise (ORE) integration and capabilities

- **11.1.1.9 (May 2015)**
  - BIWA TechCast Jun 4, 2015 [Oracle BI 11.1.1.9 New Features](#)
  - Search in Subject Areas pane
  - New Treemap view
  - Global variables and Save Column As choice in Criteria tab

- **12.2.1 (October 2015)**
  - BIWA TechCast Nov 19, 2015 [Oracle BI 12.2.1 New Features](#)
  - Alta UI Skin, new home page
  - Visual Analyzer and Data Mashup

- **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](#)
  - New Visualizations in VA
  - Dashboard Subpages
  - New Data Wrangling features
  - BI Publisher and MapViewer enhancements

All listed on website at [http://www.vlamis.com/obiwebinars/](http://www.vlamis.com/obiwebinars/)
Use Questions or Chat or Questions to communicate
High Level List of New Features

- OBIEE 12.2.1.2
  - SSO for Visual Analyzer
  - Import / Export DVA files
  - Bug fixes

- DVD 2.0 (internally 12.2.2)
  - More Data sources and Data flows, profiling
  - BI Ask
  - Filtering options
  - Multiple Canvases
  - Export & Printing
  - New Visualizations and SDK for build your own
Import and Export of .dva files in OBIEE

Import

Select a File

Select a .dva file to import or drag one onto this window

Export Application

Include Data

Enter a password that will be required to retrieve this data.

Confirm Password

Save Cancel

If you currently have a project open, you can see the latest changes after importing by clicking on 'Revert to Saved' in the gear menu.

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DVD 12.2.2 (called DVD 2.0) New Features

- Additional data sources
- Filter on data sources to cut down on data volume
- Data Flows allow for manipulation of data on server; download to PC
- Data Profiling – get histogram of data by row count or measure
- Control types of columns – measure vs attribute
- BI Ask – type “State Revenue Bar Chart United States”
- Delay applying filters (lightning bolt at bottom)
- Apply filters to individual visualizations
- Use Master visualization to filter Detail visualization
- Multiple canvases and list visualization – like dashboard prompts
Choose visualization by objective

New Visualizations
- Chord
- Network
- Sankey
- Tree
- Timeline
- Parallel Coordinates

SDK to create visualizations (code yourself)
- For example, Boxplot
- Others shared at BI Public Store

Control over color palette
- Highlight specific value
- Make areas visually distinct

Print, Export to PDF and PPT
- Select pages to include
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JUNE 25-29

"Great event, great content #Kscope16 many thanks #ocapex #letswreckthisparty!"
- Simon Greenwood @APEXORADEV

"Kscope16 was a blast. On the way to the airport with a heavy heart... Thanks @odtug for making this event what it is the best!"
- Christian Berg @Nephefur

www.kscope17.com
Resources and Questions?

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Test Drive www.vlamis.com/td Prior OBIEE releases www.vlamis.com/papers
Oracle BI SampleApp v607 and Resources (August 16, 2016!) http://www.vlamis.com/papers2016/#aug16
BI Public Store with plugins https://sites.google.com/site/oraclebipublicstore/downloads
YouTube channel BI Tech Demo from SampleApp Team https://www.youtube.com/user/OracleBITechDemos
BICS Demo as part of OTN Summit http://www.vlamis.com/papers2016/#jul12
BIWA Summit 2017 Conference http://www.biwasummit.org
ODTUG Kscope 2016 Conference http://www.kscope17.com
Data Flows

• You can use data flows to produce curated data sources that you can use to create visualizations.

Improve All Data with Powerful Data Prep
New Data Sources page

The data sources page was redesigned to be more user friendly. The Display pane contains categories that you can click to see data sources by type, the connections that you built, and the data flows that you built. The Create pane contains links that you can click to quickly begin creating data sources, connections, and data flows.
New Authentication option for Oracle Applications connections

**Personalized Connections**

You can specify if you want users to enter their own credentials to access the Oracle applications data that they have the permissions to see.
Create New Data Source Page

New Query Builder

The Create New Data Source page is easier to use and includes functionality such as the option to add filters when building database data sources.
New Data Sources

The following databases have been promoted from Beta to Full Support:

• Greenplum
• RightNow (renamed Oracle Service Cloud)

.DCSV files as data sources.

Databases added with Beta support:

• Actian Ingres, Actian Matrix, Actian Vector, Amazon Aurora, Amazon EMR, Apache Drill, Cassandra, Dropbox, Google Analytics, Google Cloud, Google Drive, Hortonworks Hive, HP Vertica, IBM BigInsights, Informix, MapR Hive, Microsoft Access, MonetDB, Netezza, Pivotal HD, Postgre SQL, Presto, Sybase ASE, and Teradata Aster.
Data Flows

• You can use data flows to produce curated data sources that you can use to create visualizations.
Automatic detection of data patterns

- The smart insights feature helps you better understand the data in your data source and how to best visualize it in a project.
New Visualizations

8 New Visualizations

• List
• Parallel Coordinates
• Timeline
• Chord Diagram
• Circular Network
• Network
• Sankey
• Tree Diagram
Powerful, intuitive keyword search

- 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
Multi-Canvas Projects

Multiple Canvases
- A project can have multiple canvases.

Easier switching between Prepare, Visualize and Narrate
- New menu options for switching between canvas and insights

Download more Oracle DV examples online [here](#)
New Output and Sharing Options

**Print options**
- Print all canvases and insight pages or selected pages from a project
- Print an individual visualization

**Export options**
- Export all canvases and insights or selected pages to PDF or PowerPoint
- Attach the output to an email
SDK for Developers

**Visualization SDK**

- Develop custom visualizations
- 100% functional, LCM parity with native visualizations
Following are Exported from DVD
Sample Project - Overview

Key Sales and Profit Metrics by Product Categories

Profit

Sales

1,300,000

8,500,000.00

Sales Trend by Product Category

Product Sales by Customer Segment

Download more Oracle DV examples online here
Sample Project - Customer Profitability

Profitability by Customer Segment

Customer Profit Bins

Key Metrics by Customer Profit Bins

<table>
<thead>
<tr>
<th>Profit up to</th>
<th>Average Profit by Customer</th>
<th>Sum # of Customers</th>
<th>Sales</th>
<th>Profit</th>
</tr>
</thead>
<tbody>
<tr>
<td>-800.00</td>
<td>-1,827.52</td>
<td>134</td>
<td>687,515.67</td>
<td>-244,88</td>
</tr>
<tr>
<td>-400.00</td>
<td>-571.93</td>
<td>137</td>
<td>492,709.15</td>
<td>-78,34</td>
</tr>
<tr>
<td>0.00</td>
<td>-117.69</td>
<td>792</td>
<td>1,034,085.00</td>
<td>-93,21</td>
</tr>
<tr>
<td>400.00</td>
<td>140.31</td>
<td>786</td>
<td>1,243,046.01</td>
<td>110,28</td>
</tr>
<tr>
<td>800.00</td>
<td>575.07</td>
<td>228</td>
<td>703,923.88</td>
<td>131,34</td>
</tr>
<tr>
<td>1,200.00</td>
<td>979.84</td>
<td>166</td>
<td>793,606.89</td>
<td>162,65</td>
</tr>
<tr>
<td>1,600.00</td>
<td>1,350.75</td>
<td>116</td>
<td>570,006.93</td>
<td>181,32</td>
</tr>
<tr>
<td>2,000.00</td>
<td>1,800.09</td>
<td>53</td>
<td>335,144.69</td>
<td>95,40</td>
</tr>
<tr>
<td>2,400.00</td>
<td>2,205.38</td>
<td>62</td>
<td>423,931.33</td>
<td>130,73</td>
</tr>
</tbody>
</table>
Sample Project - Performance by Office

Sales x Profit by Cities (Size = # of Customers)

Sales by Region

Sales by Continent

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Sample Project - Top Countries
Sample Project - Revenue Trend

Sales by Order Year, Order Month, Product Category, Continent

America, Asia, Europe

<table>
<thead>
<tr>
<th>Order Year</th>
<th>Product Category</th>
<th>Customer Segment</th>
<th>Continent</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>All</td>
<td>All</td>
<td>All</td>
</tr>
</tbody>
</table>
Sample Project - Chord Diagram

Order Year: All
Product Category: All
Customer Segment: All
Continent: All

Product Category x Geo hierarchy Sales Network
All Continent

Product Category to Container Chord Diagram
## Sample Project - Sankey

<table>
<thead>
<tr>
<th>Order Year</th>
<th>Product Category</th>
<th>Customer Segment</th>
<th>Continent</th>
</tr>
</thead>
<tbody>
<tr>
<td>All</td>
<td>All</td>
<td>All</td>
<td>All</td>
</tr>
</tbody>
</table>

### Region x Sub Categories Sales Sankey Diagram

- **Australia and New Zealand**
- **Central America**
- **Eastern Asia**
- **Eastern Europe**
- **Middle Africa**
- **Northern Africa**
- **Northern America**
- **Northern Europe**
- **South America**
- **South-Eastern Asia**
- **Southern Africa**
- **Southern Asia**
- **Southern Europe**
- **Western Asia**
- **Western Europe**

### Product Hierarchy Sales Tree Diagram

- **Furniture, Office Supplies**
  - **Chairs & Chairmats**
  - **Office Furniture**
  - **Tables**
  - **Applications**
  - **Storage & Organization**
  - **Reception**
  - **Waste Collection & Stationery**
  - **Office Supplies**
  - **Other Supplies**
  - **Dry-Erase Boards**
  - **Posters & Displays**
  - **Rubber Bands**
  - **Business Supplies**
  - **Exam Rooms & Workstations**

---

Profit Value:
- **$721**
- **$64K**
- **$873K**

Sales:
- **$8K**

---

Profit Value:
- **-$54K**
- **$287K**

Sales:
- **$8K**
- **$3M**
Sample Project - Timeline