

OAC 105.4 New Features

Oracle Analytics Product Management
August 2019

OAC 105.4 Selected New Features

Self-Service Analytics

1. Unified Home page
2. Copy Vizs & Canvas across projects
3. DV fonts 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

Data Flows / Data Prep

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

OA Publisher

15. SSL for data sources
16. Scheduler REST APIs

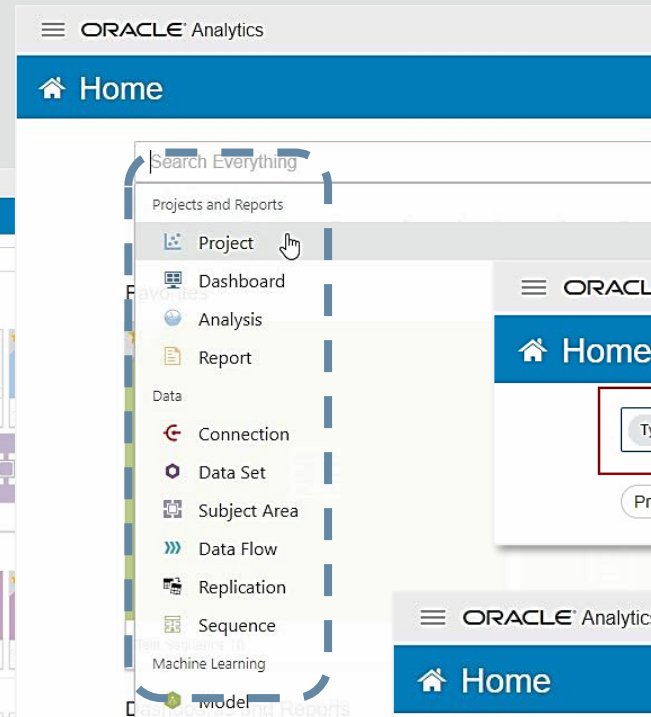
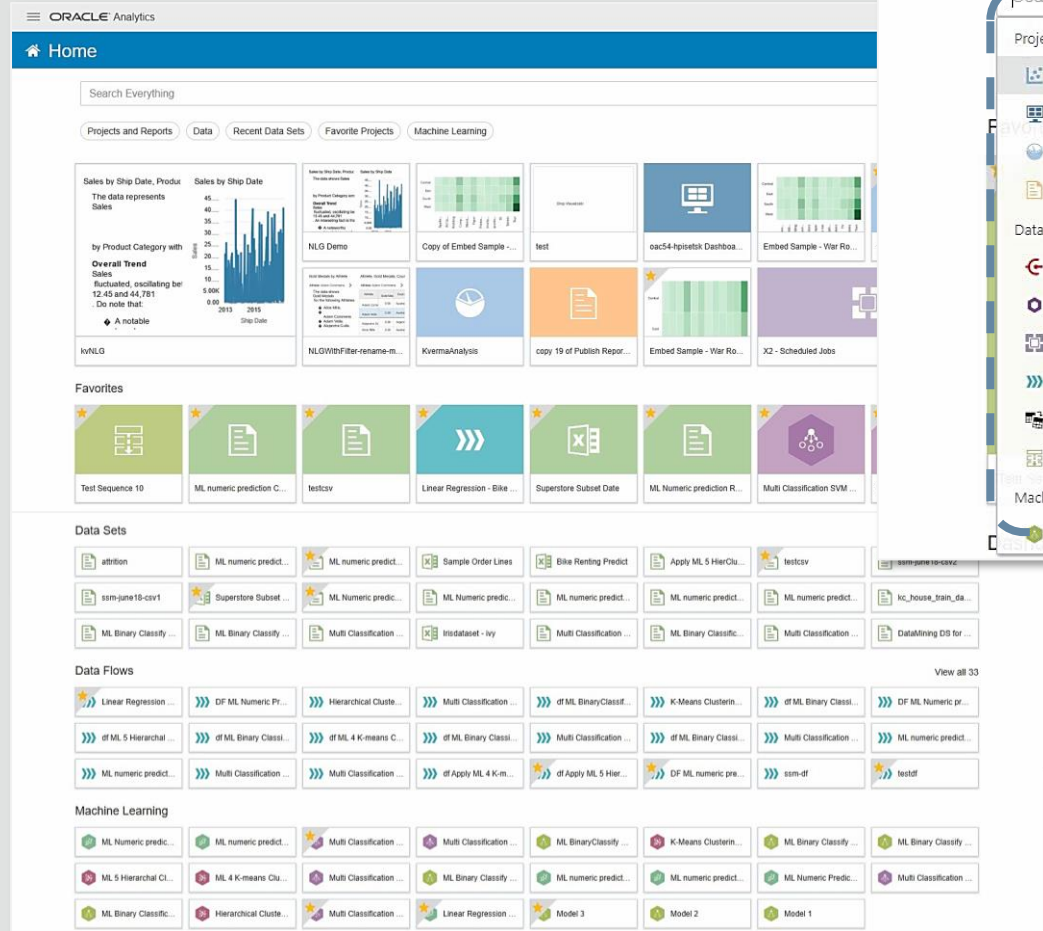
Data sources

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

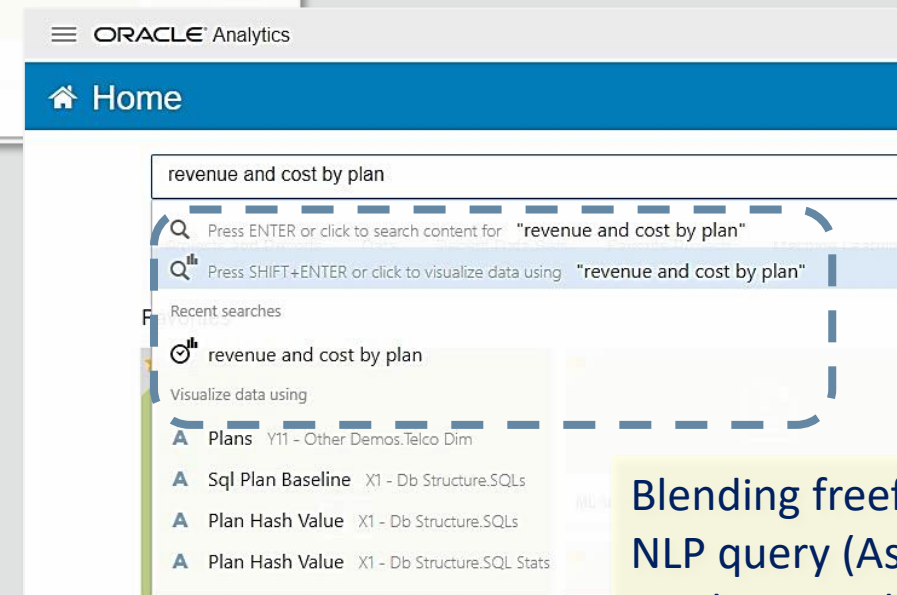
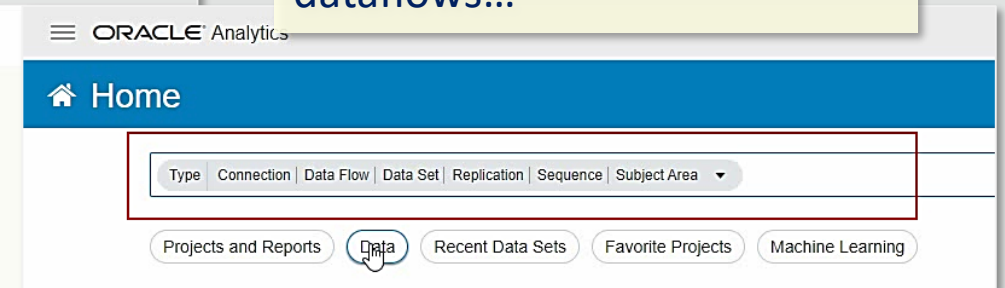
Security/Admin

22. Login check for embedded content
23. Kerberos authentication

Unified Home Page



Intuitive unique interface to search and filter for catalog content (DV and Dashboards), datasets connections, models, dataflows...



Blending freeform NLP query (Ask) with catalog search



Custom Fonts in Canvas

Custom

or Orders

Font Auto

Legend Auto

Title Auto

Labels Auto 12

Background

Fill Color

Transparency 0

Headers Values, Rows

Header Tahoma

Data Auto

Totals Auto

Labels Axis

Title Auto

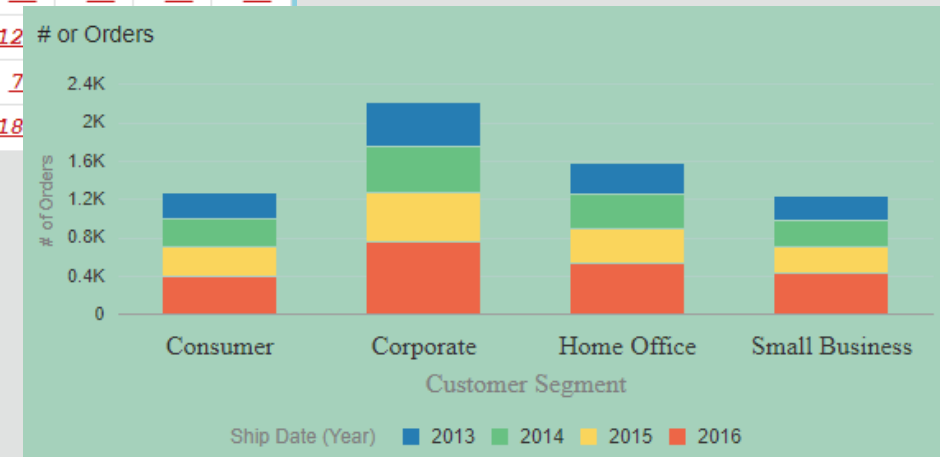
Font Times New Roman, 16

Labels On

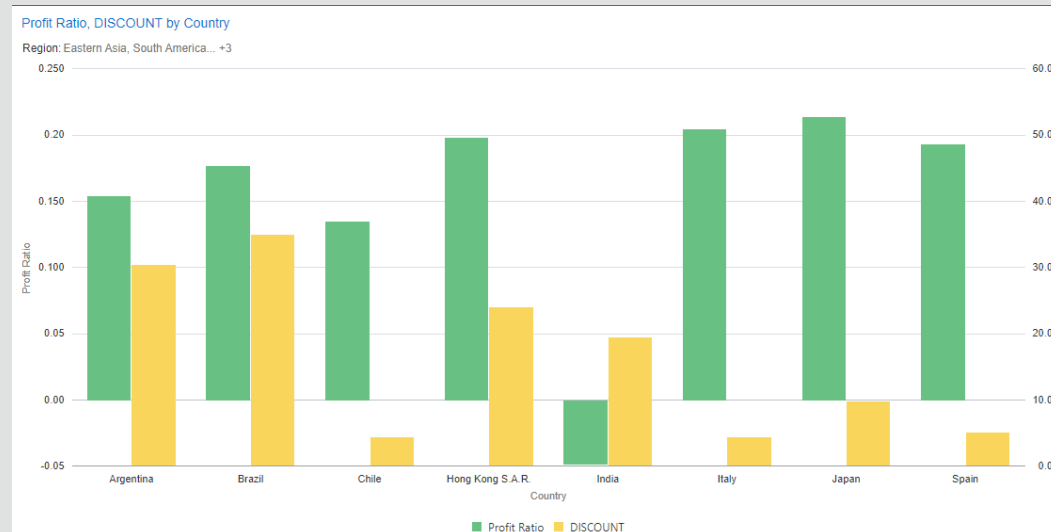
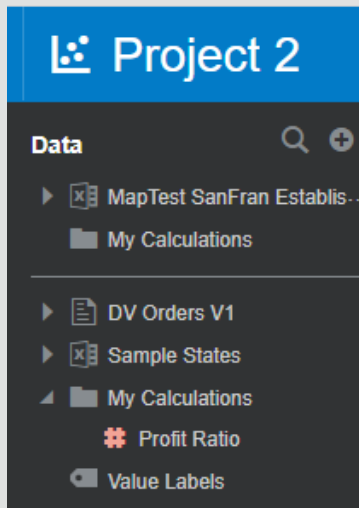
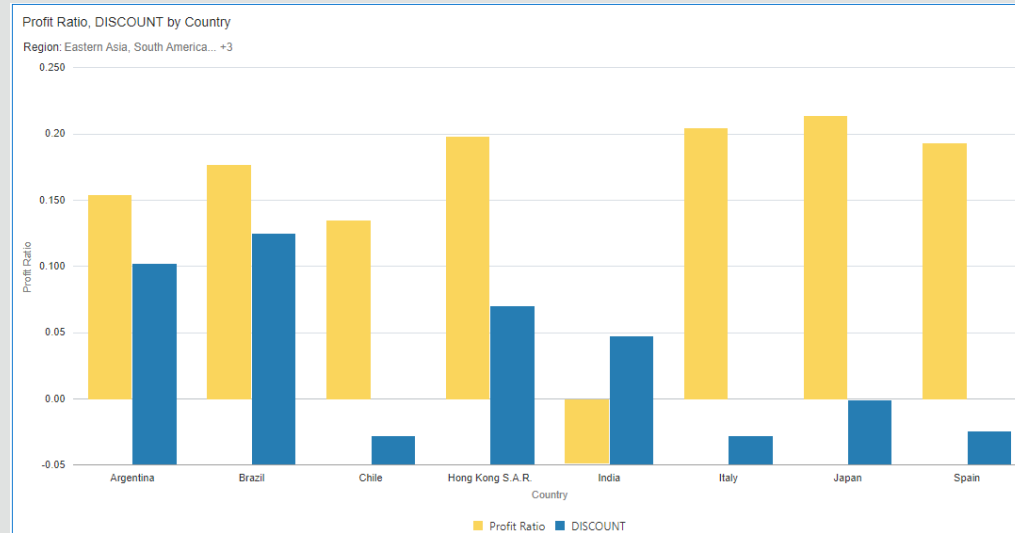
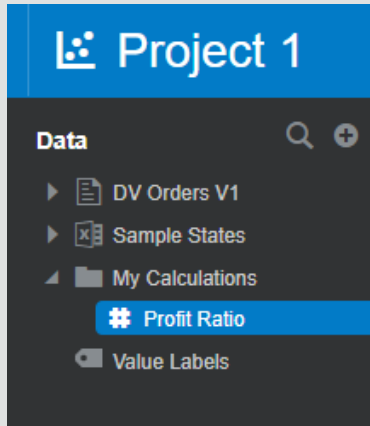
Font Times New Roman, 16

	2013	2014	2015	2016
Appliances	94	112	111	148
Binders and Binder Accessories	184	193	215	323
Bookcases	42	60	38	62
Chairs & Chairmats	89	92	113	130
Computer Peripherals	171	196	181	252
Copiers and Fax	17	25	22	
Envelopes	50	62	52	
Labels	58	59	69	
Office Furnishings	168	183	196	
Office Machines	91	77	71	
Paper	256	301	299	370
Pens & Art Supplies	140	137	154	196
Rubber Bands	30	34	41	50
Scissors, Rulers and Trimmers	34	27	39	45
Storage & Organization	12			
Tables	7			
Telephones and Communication	18			

Customize fonts formats for each text labels (Title, legends, axis, values...), customize viz backgrounds...

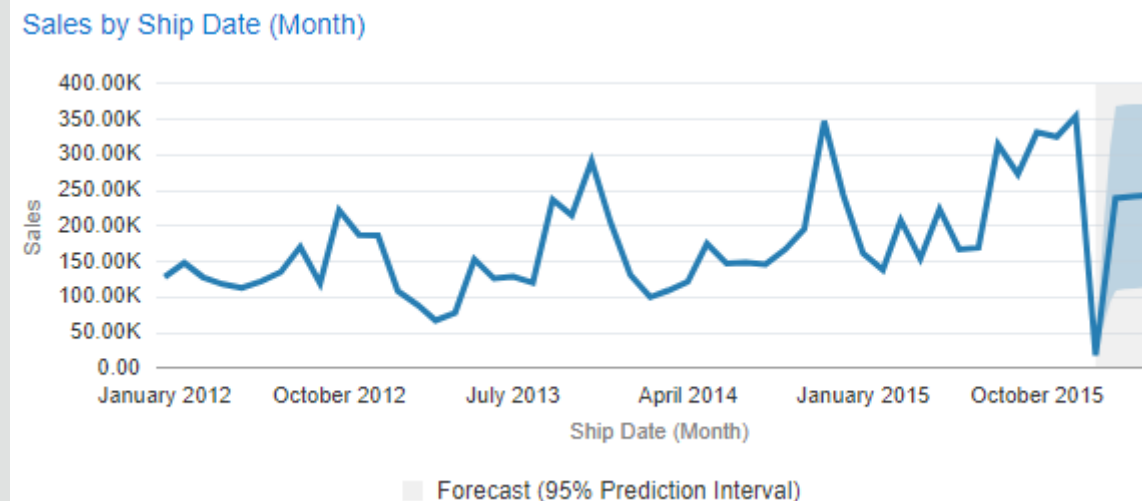
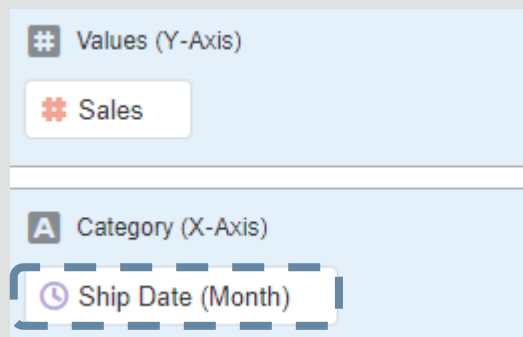
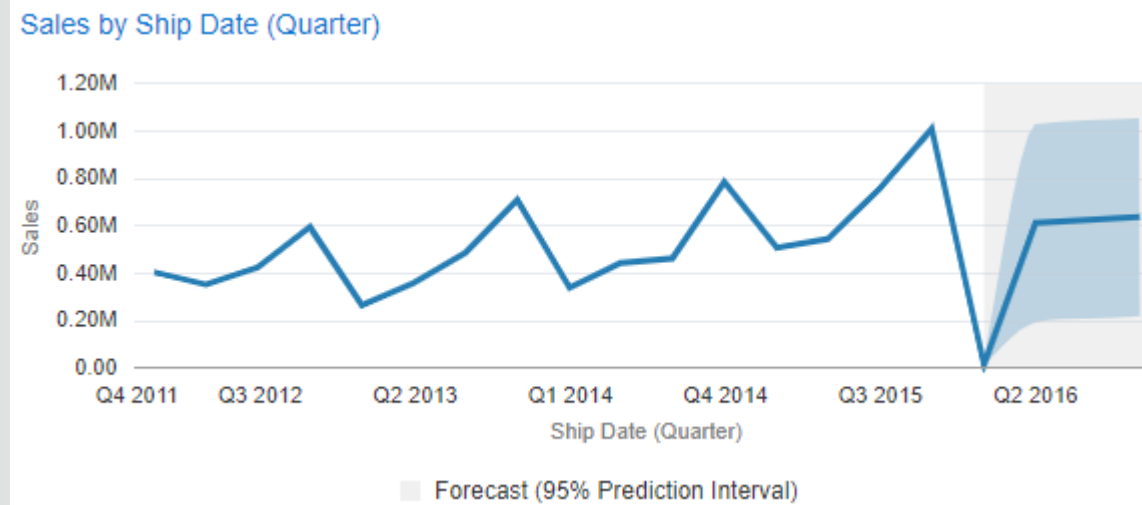
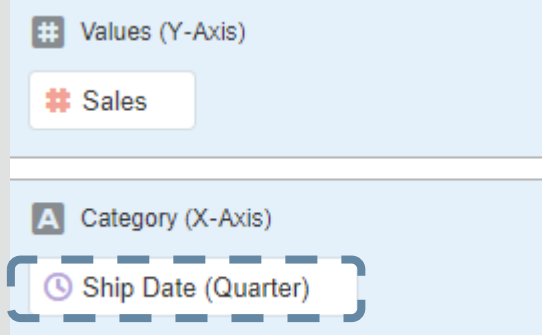


Copy and Paste Viz and Canvas across Projects



Datasets with join, calculations, filters etc are copied during copy/paste operation

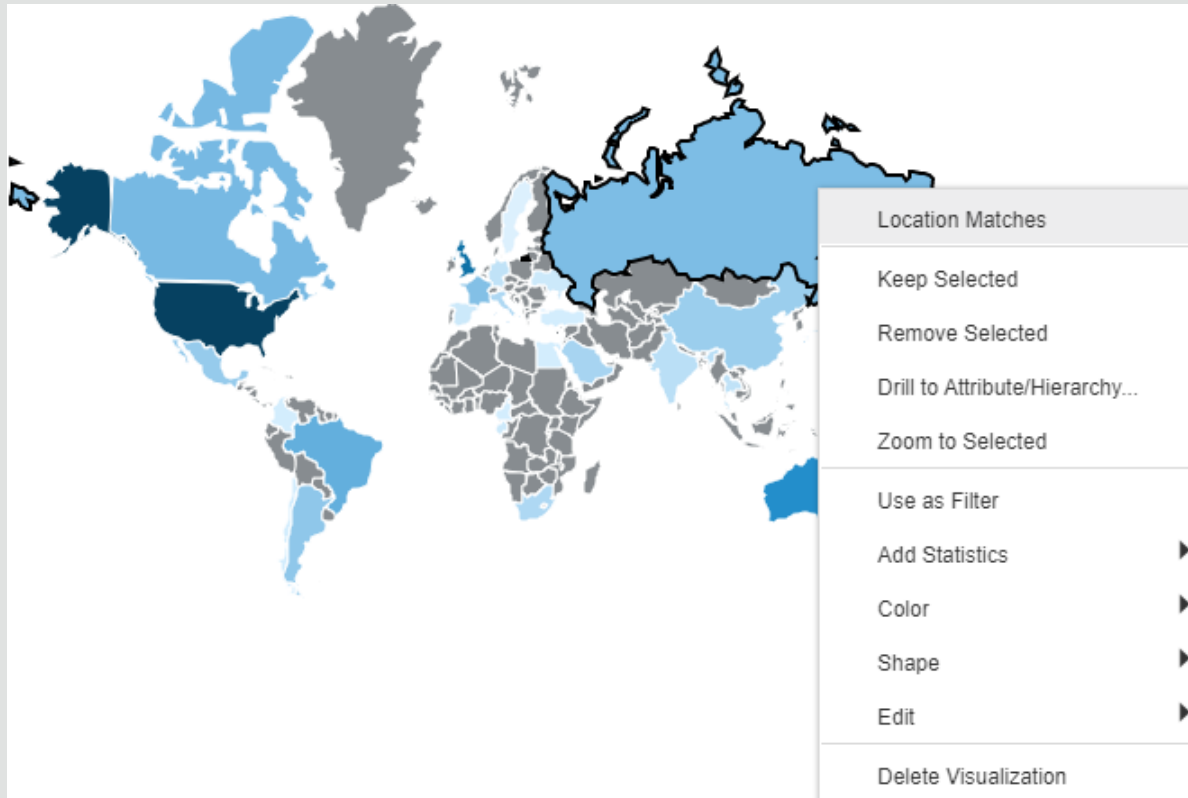
Right Click Forecast on all levels of time hierarchy



Run right click forecast on charts using any generic level of time columns hierarchies (month, week, quarters, etc)

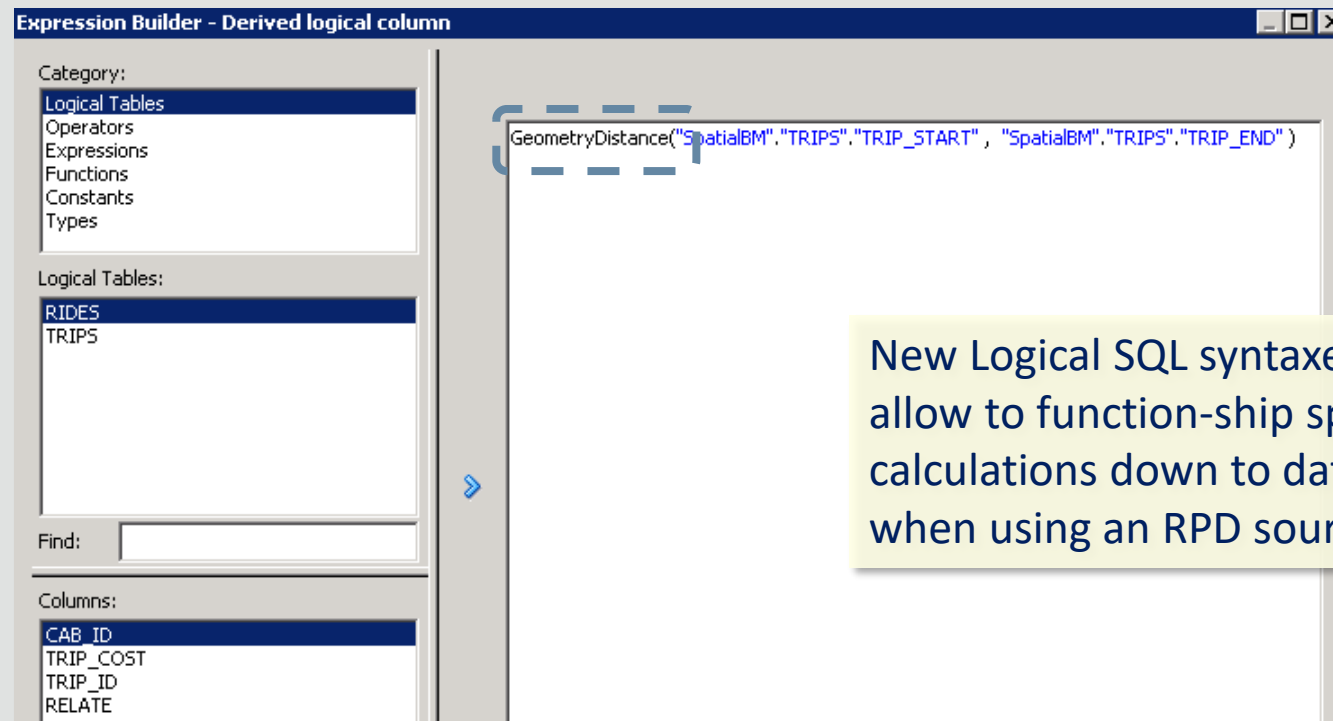
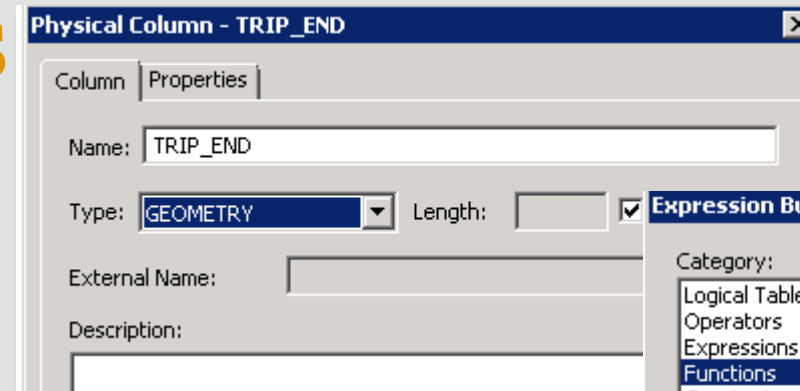
Maps: Location Matches Reporting

OAC automatically reports on data records that did not match any map layers metadata (ie not represented on the map visualization)

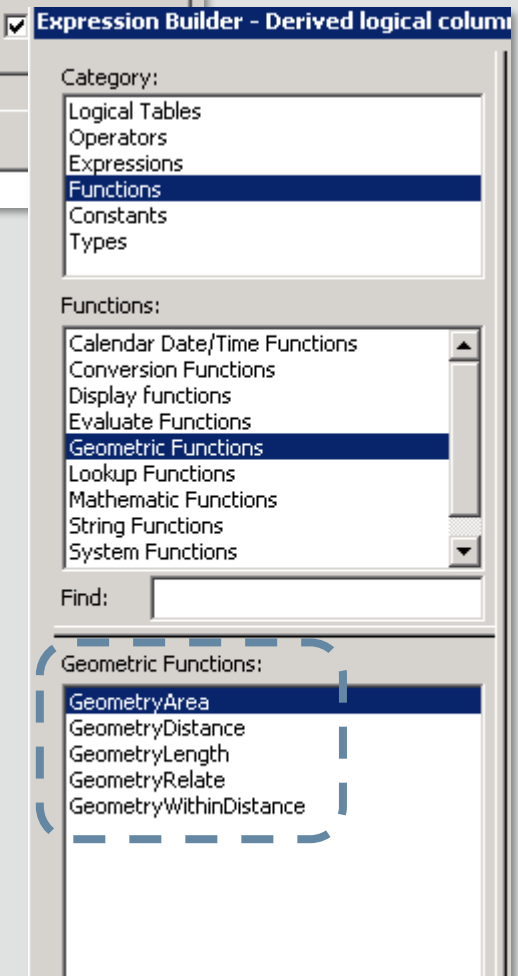


Location Matches			
Country			
Map Layer	Auto (world countries)		30 Locations (2 Issues)
Your Data	Match	Match Quality	Remove
	! No Match	No Match	<input type="checkbox"/>
Hong Kong S.A.R.	! HONG KONG	56% Confidence	<input type="checkbox"/>
Argentina	ARGENTINA	100% Confidence	<input type="checkbox"/>
Australia	AUSTRALIA	100% Confidence	<input type="checkbox"/>
Brazil	BRAZIL	100% Confidence	<input type="checkbox"/>
Cameroon	CAMEROON	100% Confidence	<input type="checkbox"/>
Canada	CANADA	100% Confidence	<input type="checkbox"/>
Chile	CHILE	100% Confidence	<input type="checkbox"/>
China	CHINA	100% Confidence	<input type="checkbox"/>
Colombia	COLOMBIA	100% Confidence	<input type="checkbox"/>
Favnt	EGYPT	100% Confidence	<input type="checkbox"/>

Geometry as a datatype & Logical Spatial functions



New Logical SQL syntaxes
allow to function-ship spatial
calculations down to database
when using an RPD source



Explore as Project in Dashboard Reports Links

Avg Bed Revenue

● \$34,962

Bed Utilization

● 85.0%

Labor Cost per Patient Day

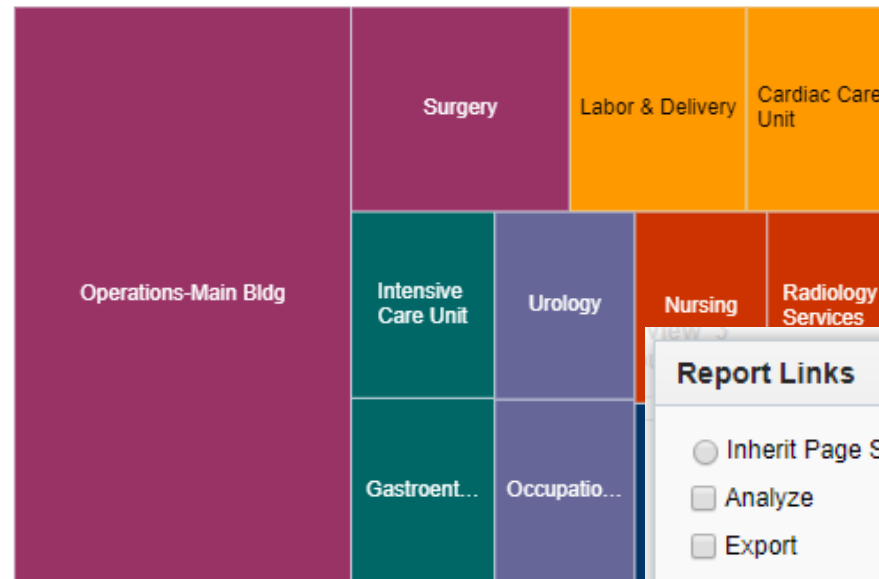
● \$1,209

RVUs per Clinical FTE

● 70.5

Expenses by Department

Department	2014	
	Actual	% of Total
Cardiac Care Unit	\$19,075,470	6.1%
Gastroenterology	\$16,240,133	5.2%
Intensive Care Unit	\$16,341,475	5.2%
Labor & Delivery	\$22,133,114	7.1%
Neurology	\$14,956,677	4.8%
Nursing	\$15,497,758	5.0%
Occupational Therapy	\$15,719,429	5.0%
Operations-Main Bldg	\$118,758,671	38.1%
Orthopedics	\$14,027,293	4.5%
Radiology Services	\$15,381,391	4.9%
Surgery	\$27,396,252	8.8%
Urology	\$16,065,716	5.2%
Grand Total	\$311,593,379	100.0%



Analyze - [Explore In DV](#) - Print - Add to Briefing Book

Dashboard report links allows to click on a dashboard report and immediately export it into DV for further self service analysis

Report Links

☐ Inherit Page Settings ☒ Customize

☐ Analyze ☐ Edit

☐ Export ☐ Refresh

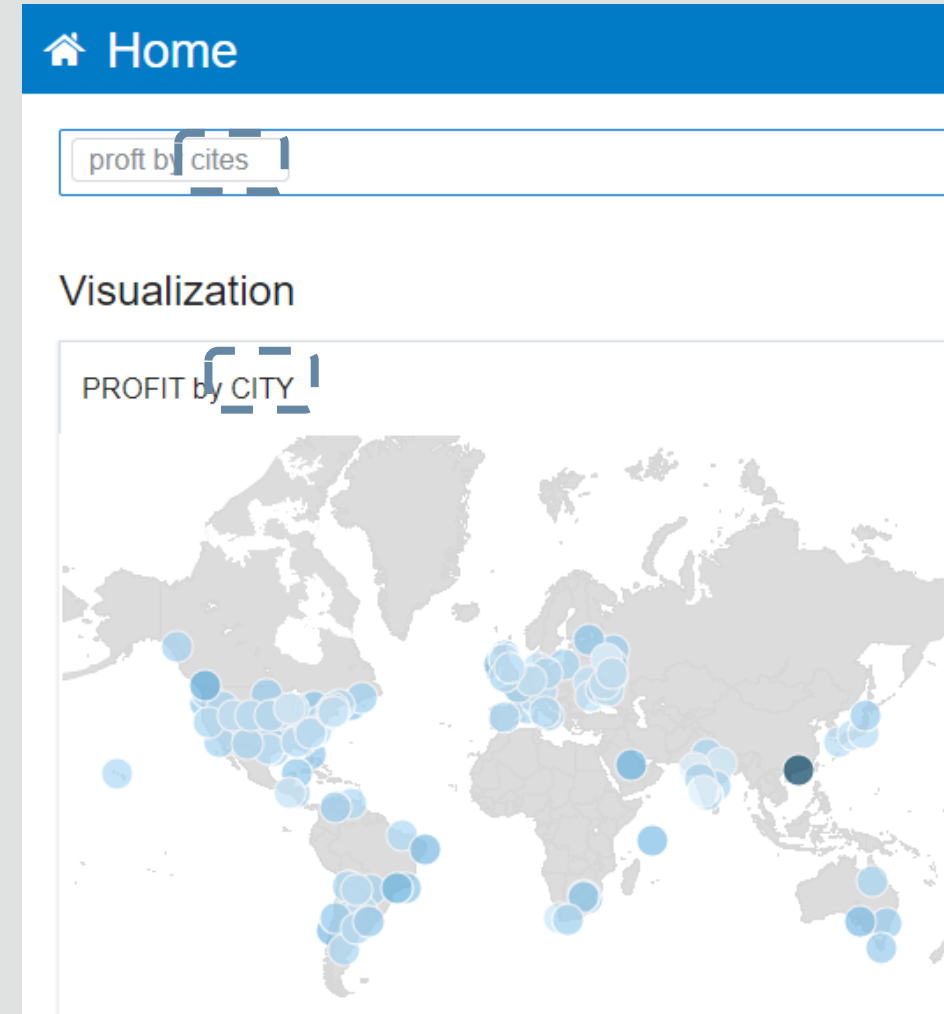
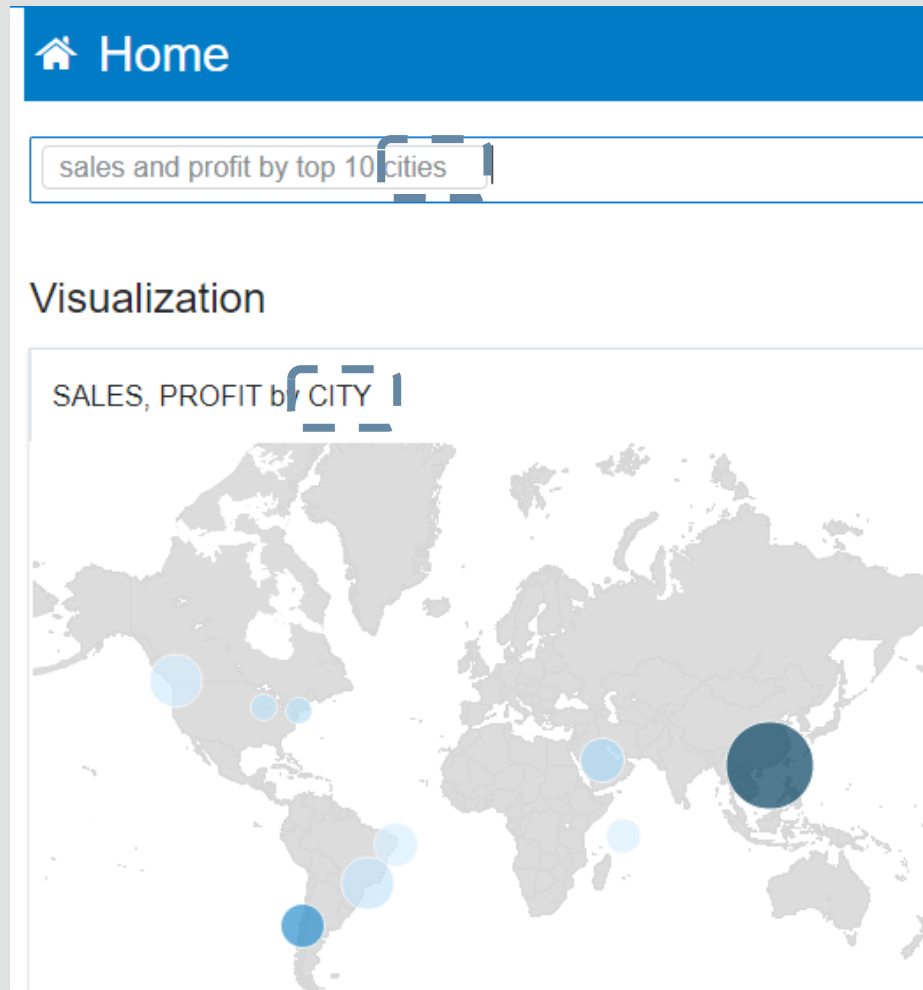
☐ Add to Briefing Book ☐ Print

☒ Explore As Project ☐ Copy

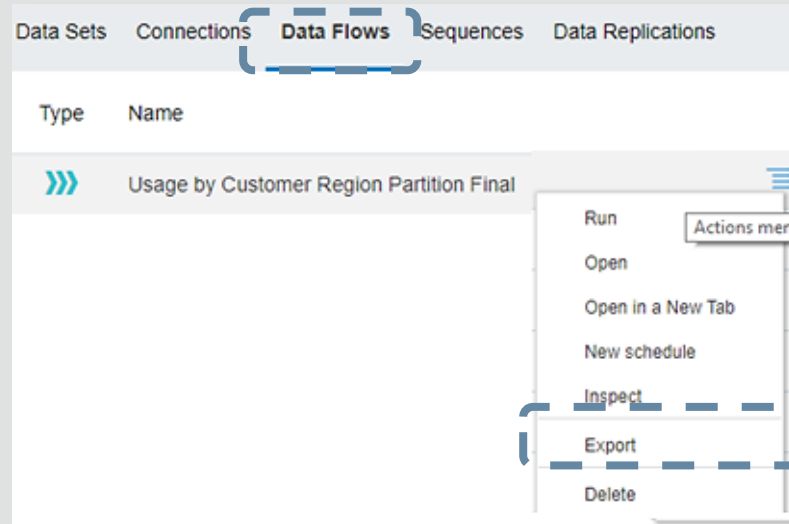
OK

Cancel

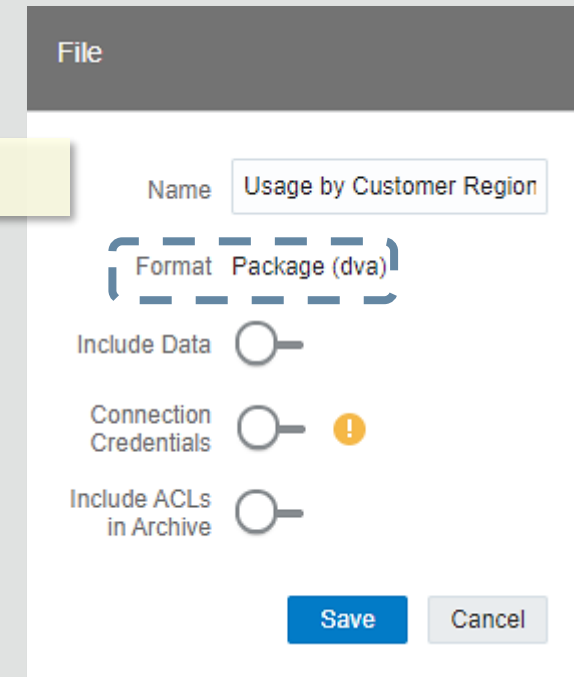
Recognize Plurals and Auto-Correct Searches (& more)



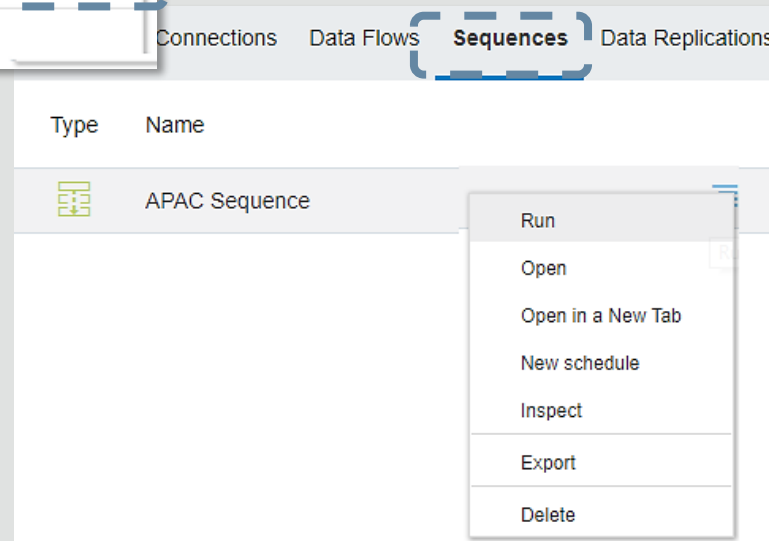
Export/Import Data Flow



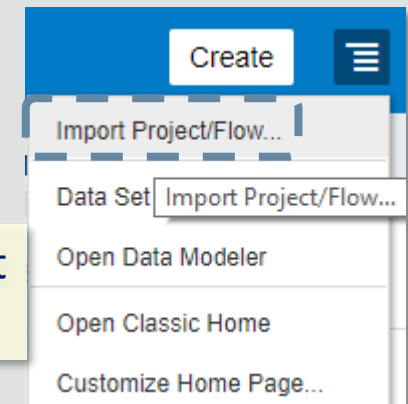
As DVA files



Export Data Flows
or Sequences

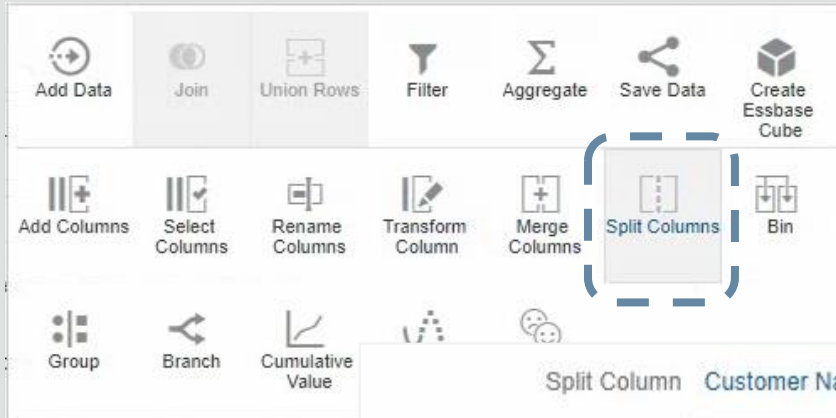


Import in different
OAC Instances



Split Column – In Data Flow and Data Prepare

Split Node in Data Flows



Split Column Wizard for Customer Name

On: Delimiter

Delimiter: Space ()

* Occurrence: 1

* Number of parts to create: 2

New column 1 name: First Name ☒

New column 2 name: Last Name ☒

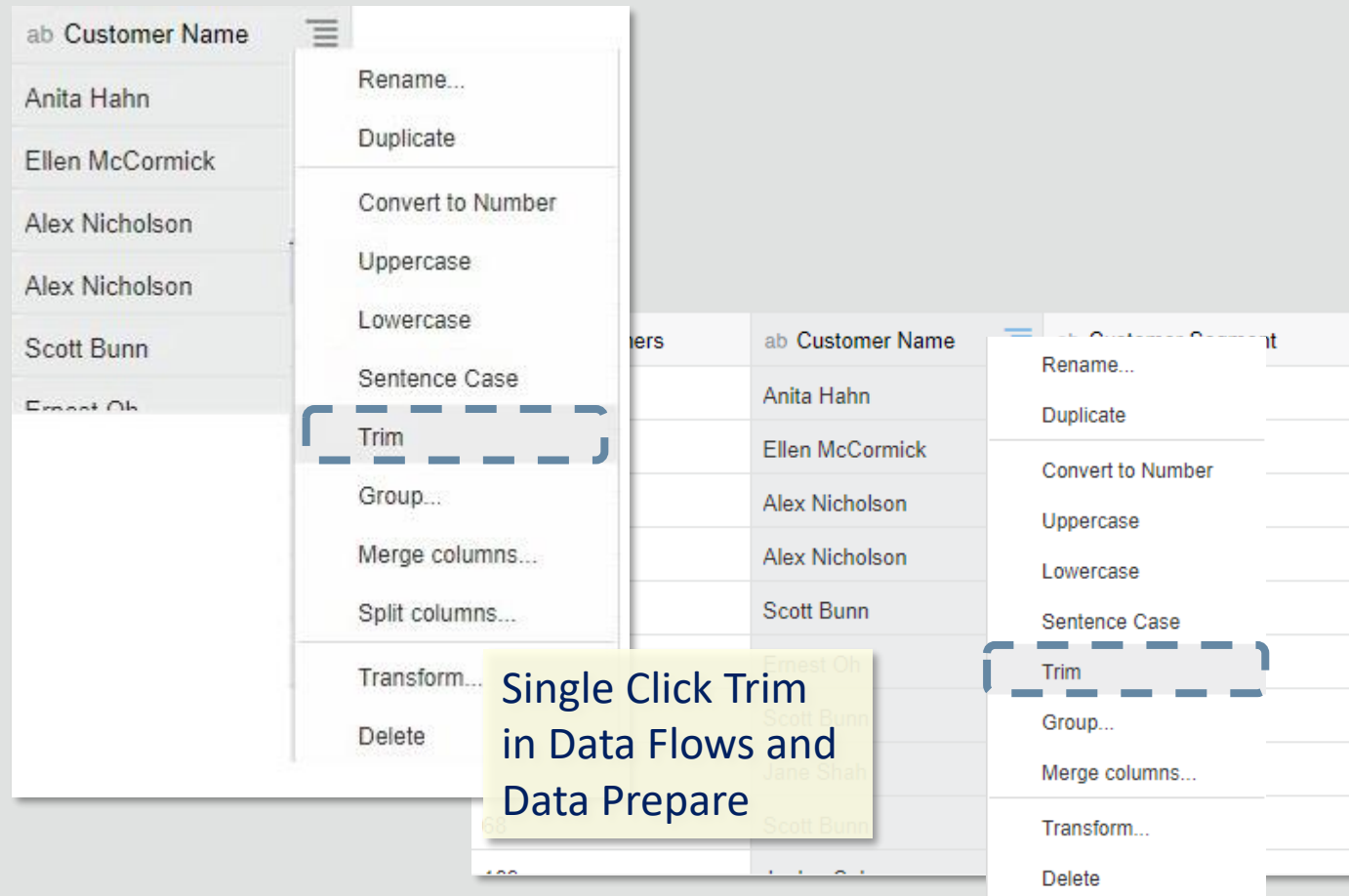
Options for Delimiter:

- Space ()
- Comma (,)
- Dot (.)
- Dash (-)
- Custom

Split Wizard in Data Prepare

Customer Name	Customer Segment
Ellen McCormick	Rename...
Sue Boykin	Duplicate
Marian Alexander	Convert to Number
Marilyn Bishop	Convert to Date...
Lynda Banks	Group...
Yvonne Faircloth	Split...
Edna Pierce	Concatenate...
Penny Kaufman	Replace...
Janice Cole	Uppercase
	Lowercase
	Sentence Case

Trim Spaces and Tool Tips in Data Flows



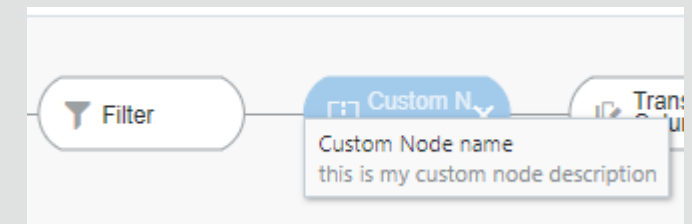
The screenshot shows a data table with the following content:

ab Customer Name
Anita Hahn
Ellen McCormick
Alex Nicholson
Alex Nicholson
Scott Bunn
Ernest Oh

A context menu is open over the table, listing the following actions: Rename..., Duplicate, Convert to Number, Uppercase, Lowercase, Sentence Case, **Trim** (highlighted with a dashed blue box), Group..., Merge columns..., Split columns..., Transform..., and Delete.

**Single Click Trim
in Data Flows and
Data Prepare**

Tooltips in Dataflow



More encrypted Data sources

Apache Hive

DB2

Hortonworks Hive




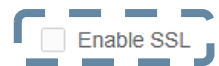
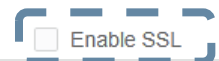
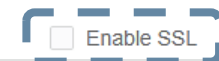
IBM BigInsights Hive

MapR Hive

Pivotal HD Hive

Spark

SQL Server

 Apache Hive Database	 DB2 Database	 SQL Server Database
* Connection Name <input type="text"/>	* Connection Name <input type="text"/>	* Connection Name <input type="text"/>
Description <input type="text"/>	Description <input type="text"/>	Description <input type="text"/>
* Host <input type="text"/>	* Host <input type="text"/>	* Host <input type="text"/>
* Port <input type="text"/>	* Port <input type="text"/>	* Port <input type="text"/>
* Username <input type="text" value="admin"/>	* Username <input type="text" value="admin"/>	* Username <input type="text" value="admin"/>
* Password <input type="password" value="....."/>	* Password <input type="password" value="....."/>	* Password <input type="password" value="....."/>
<input type="checkbox"/> Use Remote Data Connectivity	<input type="checkbox"/> Use Remote Data Connectivity	<input type="checkbox"/> Use Remote Data Connectivity
 <input type="checkbox"/> Enable SSL	 <input type="checkbox"/> Enable SSL	 <input type="checkbox"/> Enable SSL

Kerberos Authentication on Various Connections

Create Connection

AE

Amazon EMR Database

* Connection Name

Description

* Host

* Port

Authentication

Use Basic Authentication

Use Basic Authentication

Use Kerberos

* Username

* Password

Create Connection

AE

Amazon EMR Database

* Connection Name

Description

* Host

* Port

Authentication

Use Kerberos

* Principle Name

* Config File

Drop file here

Select...

Create Connection

AE

Amazon EMR Database

* Connection Name

Description

* Host

* Port

Authentication

Use Kerberos

* Principle Name

* Config File

****.conf

Select...

* Keytab

Drop file here

Select...

Create Connection

AE

Amazon EMR Database

* Connection Name

Description

* Host

* Port

Authentication

Use Kerberos

* Principle Name

* Config File

****.zip

Select...

* ZIP Password

Select "User Kerberos" from dropdown list

Select .conf file

Select encrypted .zip file

Init screen of connections that support Kerberos auth type.



Remote Data Gateway for Tier 2 sources

AR

Amazon Redshift Database

* Connection Name

Description

* Host

* Port

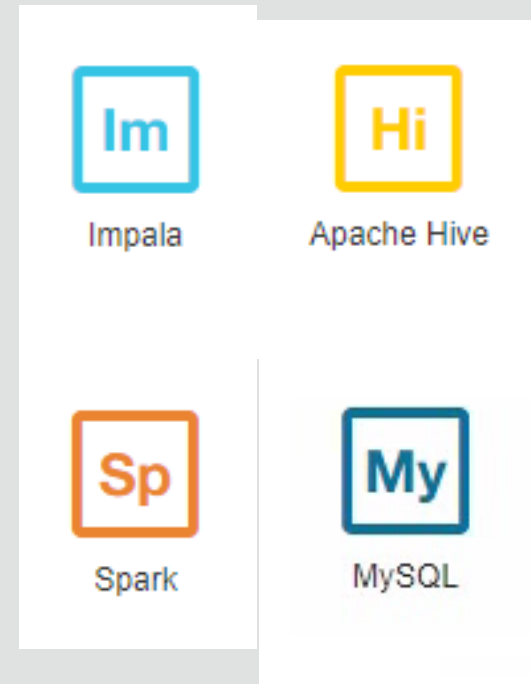
* Username

* Password

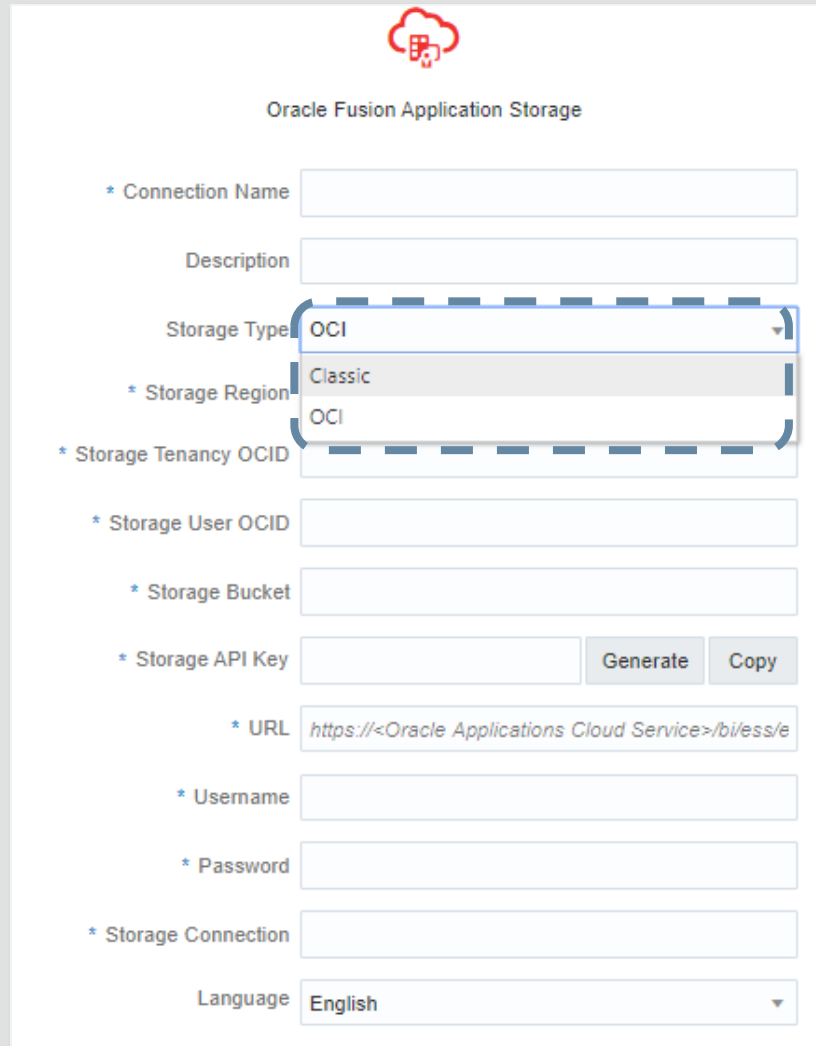
* Database Name

☒ Use Remote Data Connectivity

☒ Enable SSL



OCI Storage for Replication



Oracle Fusion Application Storage

* Connection Name

Description

Storage Type

* Storage Region

* Storage Tenancy OCID

* Storage User OCID

* Storage Bucket

* Storage API Key

* URL

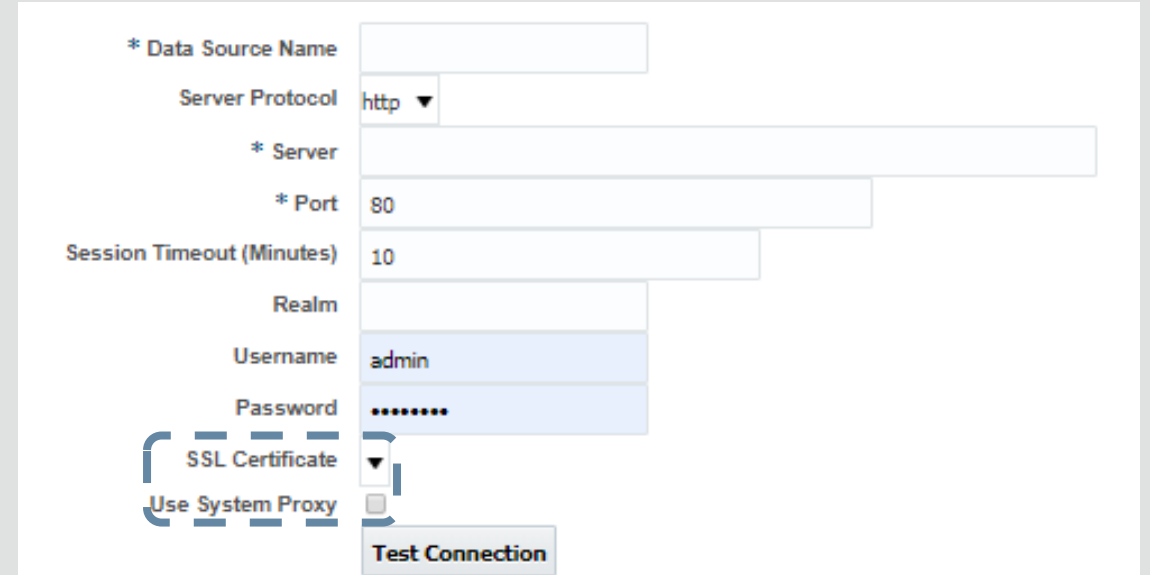
* Username

* Password

* Storage Connection

Language

BI Publisher – SSL for Datasources



* Data Source Name

Server Protocol

* Server

* Port

Session Timeout (Minutes)

Realm

Username

Password

SSL Certificate

Use System Proxy ☐

PBCS Connector (RPD) Enhancements

1. Support for additional properties/columns on dimensions :
Generation number, leaf indicator, member path, and alias path columns
2. Support for attribute dimensions
3. Performance improvements
4. Latest Planning ADM driver is pre-installed with OAC

All of these enhancements are enabled only when sourcing from Oracle EPM Cloud Planning 19.08 and Later