

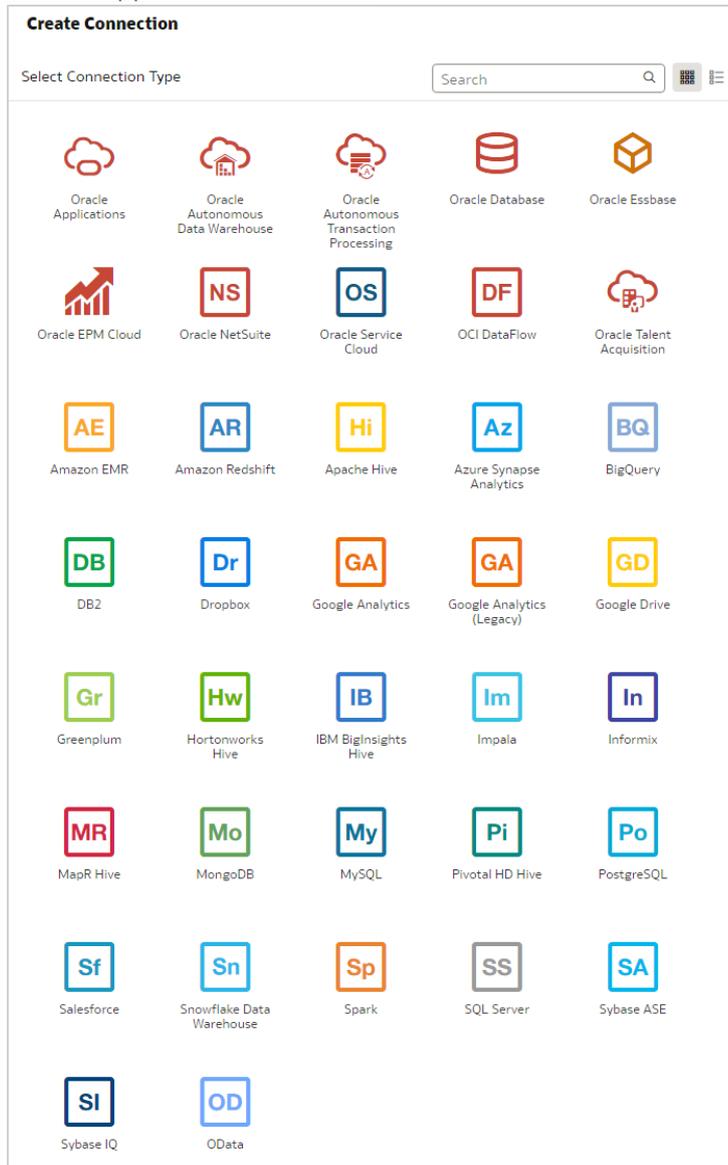
Connect

Oracle Analytics connects to many data sources, both Oracle and non-Oracle, including other cloud providers (e.g., Azure and Google), social feeds, IoT sources, data lakes, and more. Connected data sources can include cloud, on-premises, or self-service data sets. Use self-service to blend third party or personal sources for a complete business view.

Native connectors

Get started quickly with thirty-seven out of the box, native connectors, including [Oracle Autonomous Database](#), [Oracle EPM](#), Google Big Query, Salesforce, Amazon Redshift, Azure Synapse and Snowflake. In addition, connect to any Java Database Connectivity-based (JDBC) data source.

[See all supported data sources](#)



Oracle Analytics platform Capabilities Explorer



“We have a situation where our users can do their own analytics. And Oracle Analytics provides that capability”

Conny Björling
 Head of Enterprise Architecture
 Skanska

Related solutions

- [Fusion Analytics Warehouse](#)
- [Autonomous Data Warehouse](#)
- [Machine Learning](#)

Direct query and data caching

The Oracle Analytics platform provides both direct query and caching options. Direct query enables data to be ingested into the analytics layer directly from the data source itself at query time. Choose a custom balance between direct query and caching depending on the analytics use case. Analytics queries are automatically optimized for each data source for best performance. Oracle Analytics does not require any third party or proprietary data store to be preloaded with data before users' analytics activities can begin.

Direct or live connections

Direct query is an essential need as identified by [Gartner in their Critical Capabilities report 2021](#). This ensures the most accurate representation of the data in the visualization layer but can potentially place a lot of analytics compute load on the data source systems.

Data set caching

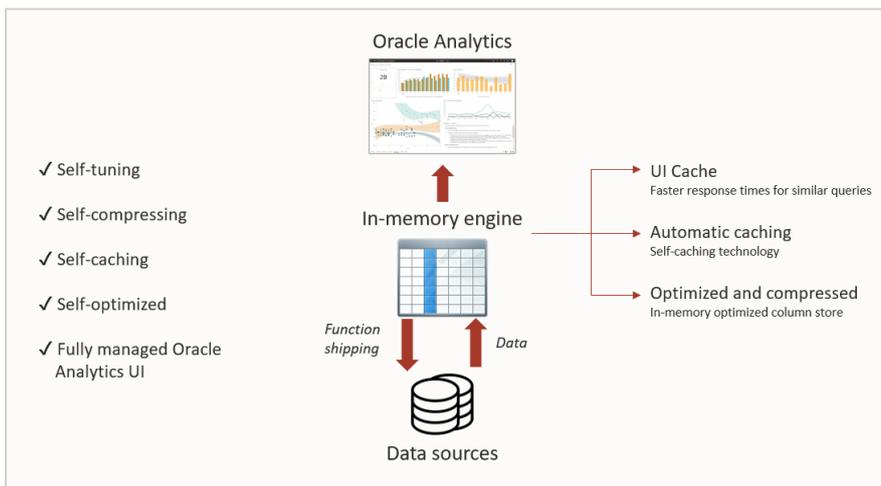
Frequently accessed query results can be optionally cached by Oracle Analytics (both OAC and OAS) to boost performance and reduce the analytics workloads on the source systems. Caching analytics data sets also helps to reduce data source processing loads.

[Learn more about OAC caching](#)

An in-memory engine is part of Oracle Analytics Cloud and it boosts the performance of slow, or legacy data sources. Boosting slow systems means frequently run query data is cached and optimized for analytics, which then provides high performance consistently to users. Once data is cached, modern analytics capabilities such as auto-insights and machine learning can easily be run on that cached data. This extends legacy data management systems with otherwise missing modern capabilities.

“We already have lower costs and a much better analysis of what we consume in terms of hardware resources. It’s also easy to scale the solution up and down. We shut our development platform down when it’s not being used, which saves us money”

Johan Holmström
IT Operations Manager
NilsonGroup



Oracle Analytics Cloud in-memory engine

[Read more about OAC's in-memory capabilities](#)

[Learn more about OAS performance tuning](#)

Local and third-party datasets

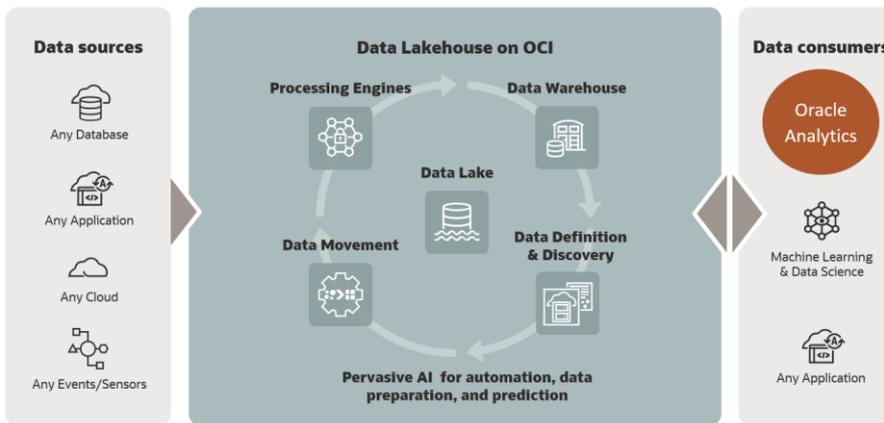
Upload local or personal datasets such as spreadsheets and comma separated value (CSV) files. Analyze these datasets alone or combine with any connector-based data source or governed enterprise data model.

Product Type	Product	Country Name	State Province	Time	Profit Ratio %	Profit Value	Total Costs	Variable Costs	Revenue	# of Customers
Smart Phones	Touch-Screen T5	Niger	Niamny	12/12/2013	-1.840879341379200	-98.97077999999999	1.7934207800000000	1.5613622100000000	1.69445	2
Portable	PocketFun ES	Japan	Aomori	05/15/2013	11.96466924987500	79.21217999999999	985.12942000000000	911.09770000000000	643.29	1
Camera	MREUSA Camcorder	United States	California	04/30/2013	55.168525516868700	2.1291391700000000	4.1281579400000000	3.4211709400000000	6.552177	4
Phones	CompCam R13	Australia	NSW	07/09/2012	10.290755521780900	169.44245999999999	1.4771207560000000	1.2504977300000000	1.646155	1
Camera	7 Megapixel Digital Camera	Greenland	Kommuneqarfi Sermersooq	12/05/2013	-0.7131973334906	-7.550129999999999	1.0394401300000000	906.84438000000000	1.05189	1
Portable	PocketFun ES	Hong Kong S.A.R.		01/23/2012	55.960278844473400	254.47711500000000	201.84285000000000	170.34149000000000		
Accessories	Bluetooth Adaptor	Chad	Haidar-Lamis	07/29/2013	80.842142460974600	527.73891000000000	129.85190000000000	74.94940000000000	634.42	1
Audio	MicroHD HDD	Peru	Lima	06/06/2013	12.266204243294100	558.94530000000000	2.6484957000000000	3.0021468400000000	4.206156	2
Camera	MREUSA Camcorder	United States	Mainland	05/15/2013	56.585272824885100	970.85614000000000	744.88584000000000	622.56853000000000	1.715174	1
Fixed	Game Station	China	Beijing	10/25/2012	-2.25612823951230	-2.8046900000000000	128.22449000000000	110.30591000000000	125.42	1
Smart Phones	Kayakix S-Phone	Lithuania	Å. Jauka	10/27/2013	-11.140979371320200	-47.80580000000000	477.89580000000000	415.11376000000000	429.99	1
Fixed	Game Station	India	Karnataka	12/05/2012	15.99126216464900	5.9265200000000000	31.1354600000000000	25.82529999999999	37.06	1
Smart Phones	Kayakix S-Phone	Nigeria	Lagos	12/12/2013	88.547849191912400	308.29530000000000	218.27842000000000	189.90700000000000	524.57	1
Accessories	Bluetooth Adaptor	Netherlands	Noord-Holland	11/08/2013	69.813056971254200	465.63590000000000	201.54691000000000	96.76146000000000	647.00	1
Camera	MREUSA Camcorder	Egypt	Al Qahirah	10/26/2013	69.294688780004700	2.1554559400000000	95.88406000000000	515.26499000000000	3.110134	2
Smart Phones	Touch-Screen T5	Iran	Teheran	11/11/2012	-42.078372764838100	-413.17346000000000	1.218.22546000000000	988.21591000000000	801.05	1

CSV upload data preview

Data lakehouse

The data required to make informed decisions comes from many data sources and includes a wide variety of different data types (i.e., structured, semi-structured and unstructured). Oracle Analytics integrates with the data lakehouse by connecting through OCI services such as the [Oracle Data Catalog](#) and/or the [Oracle Autonomous Database](#) to ensure all relevant data is available to users. Data does not need to be moved or replicated to support business analytics. Whenever possible functions are shipped to and processed by the data source servers.



Integrating analytics with the data lakehouse

Connect with us

Call +1.800.ORACLE1 or visit [oracle.com](https://www.oracle.com). Outside North America, find your local office at: [oracle.com/contact](https://www.oracle.com/contact).

 blogs.oracle.com

 facebook.com/oracle

 twitter.com/oracle

Copyright © 2022, Oracle and/or its affiliates. All rights reserved. This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

This device has not been authorized as required by the rules of the Federal Communications Commission. This device is not, and may not be, offered for sale or lease, or sold or leased, until authorization is obtained.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group. 0120