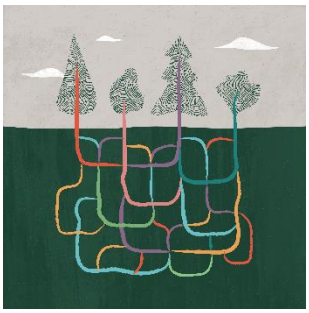
Connect

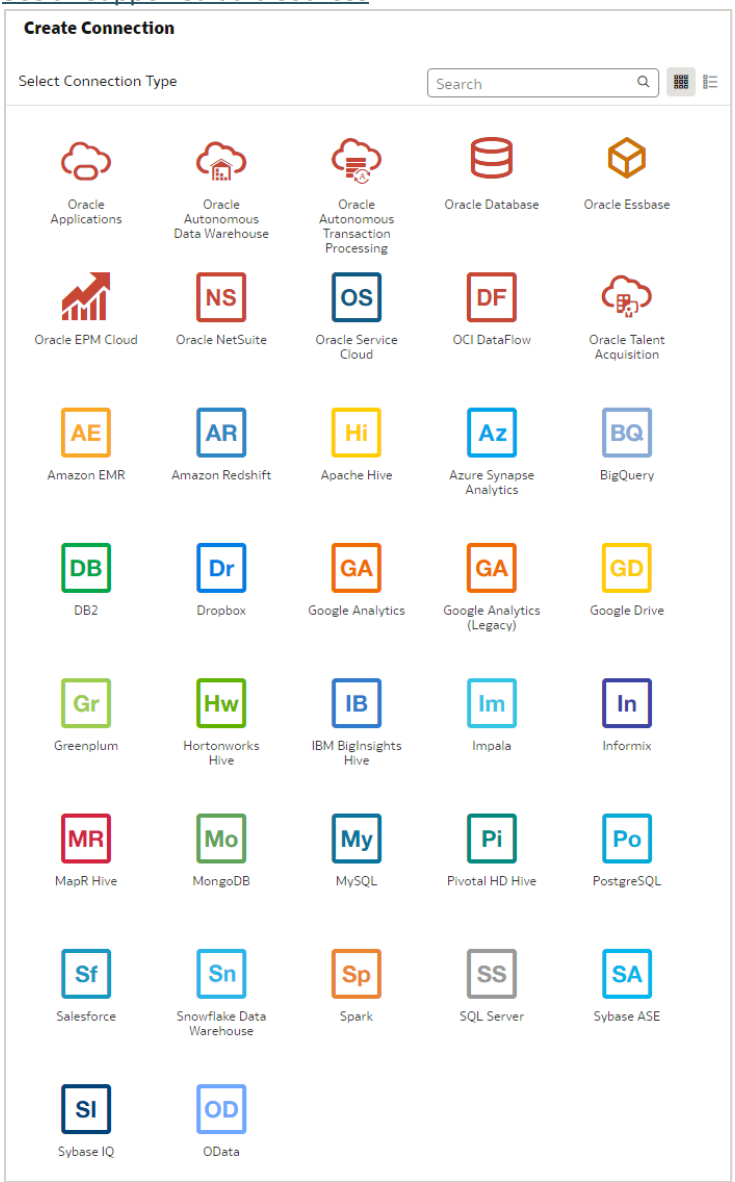


Oracle Analytics connects to many data sources, both Oracle and non-Oracle, including other cloud providers (e.g., Azure and Google), social feeds, IoT sources, data lakes, and more. Connected data sources can include cloud, on-premises, or self-service data sets. Use self-service to blend third party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



"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

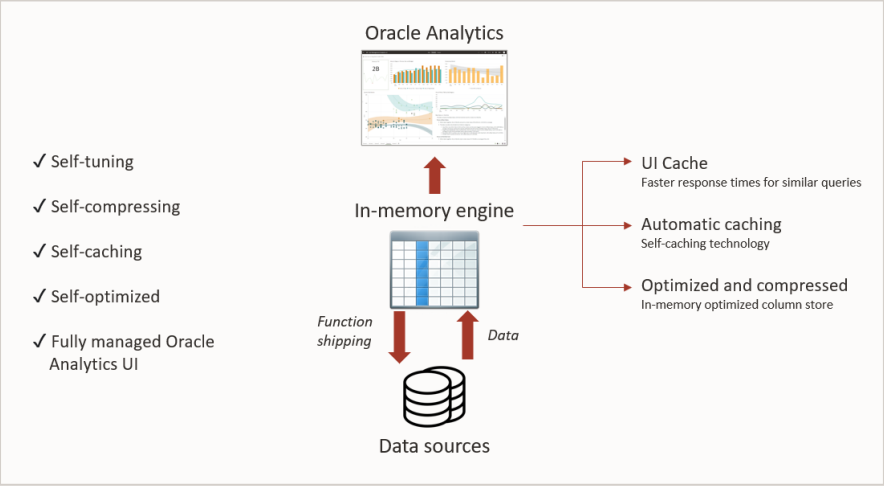
Direct query is an essential need as identified by Gartner in their Critical Capabilities report 2021. This ensures the most accurate representation of the data in the visualization layer but can potentially place a lot of analytics compute load on the data source systems.

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.



Oracle Analytics Cloud in-memory engine

Read more about OAC's in-memory capabilities

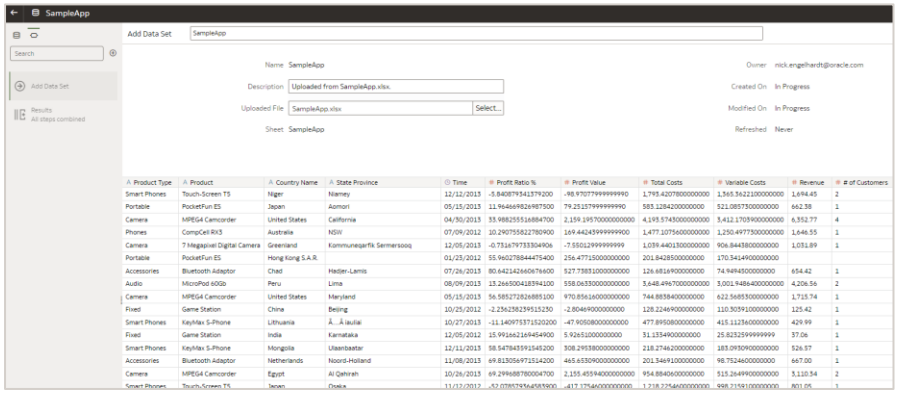
Learn more about OAS performance tuning

"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

Local and third-party datasets

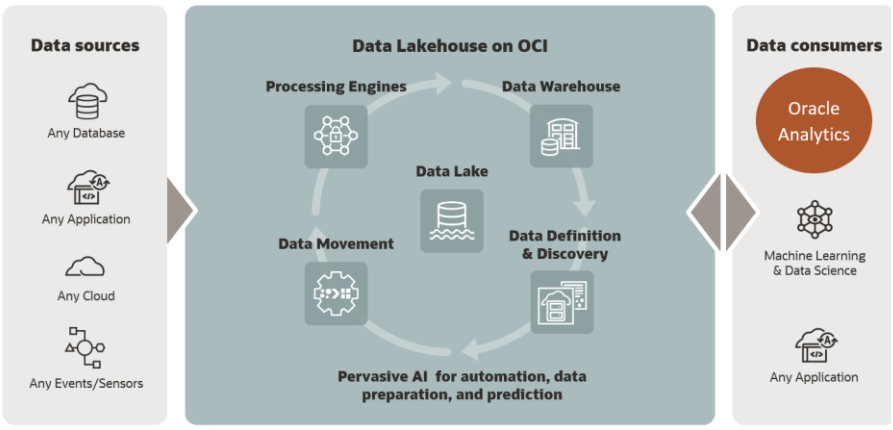
Upload local or personal datasets such as spreadsheets and comma separated value (CSV) files. Analyze these datasets alone or combine with any connector-based data source or governed enterprise data model.



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

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