

# Deploy and administer

The Oracle Analytics platform is available in the cloud with Oracle Analytics Cloud (OAC), on-premises with Oracle Analytics Server (OAS), or in a hybrid deployment using both.

## Cloud compute size

**OAC** is built on [Oracle's next generation cloud infrastructure \(OCI\)](#) and is a native cloud service that can be deployed with a compute size of between 2 and 52 OCPUs depending on the analytic workloads. It also offers the flexibility to scale up and scale down OAC environments, with the ability to shift between 2 to 8 OCPUs and between 10 and 12 OCPU's in increments of +/-2. When there is no need to access a specific OAC instance, it can simply be paused to reduce costs.

[Deploy a service, OCPU options](#)

[Scale a service](#)

## Hybrid deployment options

There are two hybrid deployment configurations;

**Data hybrid** – All data is retained on-premises while the analytics capabilities delivered with OAC are run in the cloud. It's a performance choice to enable caching of some data or certain types of data, or to ensure no data is ever persisted in the cloud layer.

[Learn more](#)

**Development hybrid** – In this configuration both OAC and OAS are deployed. The production analytics environment remains on-premises, with OAS, to ensure that no data is sent to or persisted in the cloud layer. The development analytics environment, with OAC, containing non-sensitive test data, remains in the cloud for cost savings. Reports built in the cloud are promoted to the on-premises production environment when ready.

## Supported on-premises operating systems

**OAS:** Supported operating systems for OAS are 64 bit: Oracle Linux, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Microsoft Windows x64 and Oracle Exalytics Machine.

[Refer to the official certification matrix for specific versions and dependencies](#)

## Login security

**Cloud** authentication provided by [Oracle Identity Cloud Service \(IDCS\)](#). If single sign-on (SSO) is required, OAC can federate with other identity providers such as Microsoft Active Directory.



“Things that were taking us hours, now we can finish in a minute or two. It's so easy to visualize the payments -- so easy.”

**Yavor Ivanov**  
Global Head of Database  
Administration  
Paysafe

## Related solutions

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

**On-premises**-supported identity servers are Microsoft Active Directory, Microsoft Active Directory Lightweight Directory Services, Open LDAP, Oracle Access Manager, Oracle Access Manger Single Sign-on, Oracle Directory Server Enterprise Edition, Oracle Internet Directory and Oracle Unified Directory.

[Refer to the certification matrix for specific versions and dependencies.](#)

## Roles and permissions

[Oracle Analytics](#) provides role-based security. Role-based security can be specified at the user, group and role level. Use existing roles such as “DV Content Author” and “BI Service Administrator,” or create custom organizational roles.

[Learn more about configuring users and groups](#)

“We have a 90% reduction of time spent accessing the right data. It took about 10 minutes before and now it’s about 1 minute.”

**Federico Perrero**  
Quality and Business Processes Director  
Bitron Electronics

The screenshot shows the 'Application Role Management' interface with the 'Application Roles' tab selected. An 'Add' button is visible at the top left. Below it, a list of predefined application roles is displayed, each with a user icon, a name, a description, and a type. The roles listed are:

- BI Consumer**  
Name: BIConsumer  
Description: Users granted this role can consume content but are restricted in what they can create.  
Type: Predefined Application Role
- BI Content Author**  
Name: BIContentAuthor  
Description: Users with this role can create most types of content.  
Type: Predefined Application Role
- BI Dataload Author**  
Name: BIDataLoadAuthor  
Description: Users with this role can authorize data loads.  
Type: Predefined Application Role
- BI Data Model Author**  
Name: BIDataModelAuthor  
Description: Users with this role can authorize data models.  
Type: Predefined Application Role
- BI Service Administrator**  
Name: BIServiceAdministrator  
Description: This role confers privileges required to administer the sample application.  
Type: Predefined Application Role
- DV Consumer**  
Name: DVConsumer  
Description: Users granted this role can consume content but are restricted in what they can create.  
Type: Predefined Application Role
- DV Content Author**  
Name: DVContentAuthor  
Description: Users with this role can create most types of content.  
Type: Predefined Application Role

Available application roles

## Data permissions

Specify what and who can access data, reports, and projects with exact permissions on all OAC artifacts. Map read/write/full control permissions

to individuals, roles, and groups. Every user has their own private folder. Share projects via shared folders and the content catalog.

Sales History Data Set		Add <input type="text" value="Search By Name"/>		
General	All	Users	Roles	
Data Elements	Name	Full Control	Read-Write	Read-Only
Search	nick.engelhardt@oracle.com	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Access	DV Content Author	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
	barry mostert	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Assigning object-based access permissions

## Runtime optimizations

Optimize runtime operations by designating connected data sets as live or cached. Use direct query technology to function ship data requests to their native sources. Schedule data flows to run at predetermined intervals. Configure projects to refresh on open and at prescribed intervals to ensure the latest data is always available.

## Legacy OBIEE migration options

Existing Oracle Business Intelligence Enterprise Edition (OBIEE) customers have a choice to either upgrade their deployment and remain on-premises with Oracle Analytics Server (OAS), or migrate their content to the cloud with Oracle Analytics Cloud (OAC). Staying on-premises and upgrading to OAS is included with currently active support agreements. If a move to cloud is preferred, existing OBIEE content can be migrated to a new OAC instance. For more information about migrating OBIEE to OAS read [the OBIEE destination guide](#).

Read more [technical migration information](#)

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