

Maximise Your Oracle Cloud Advantage

With the Full Orbit OCI Cost Manager



Full Orbit
DRIVE VALUE WITH DATA

PRODUCT SHEET

Oracle Cloud Infrastructure

Congratulations! You have chosen Oracle's cloud solution, which lets you enjoy flexibility in your IT environment.

Instead of having an oversized server for peak moments, you can now anticipate actual demand, and only activate the required services when you truly need them.

This new flexibility brings other challenges in terms of cost management, such as:

- How can we keep costs under control?
- Is it possible to optimise costs?

In addition, there are also questions about flexible scaling up and down. Unlike before, you can now do this based on actual demand. To optimise this process, it is important to gain insight into the behaviour and demand of your IT environment(s).

OCI Threshold management

Oracle Cloud offers the option to set alerts when a certain cost limit, the threshold, is exceeded. The disadvantage of threshold management is that, by that point, no further action can be taken. It is then, in effect, already too late. The alert is mainly intended to enable timely intervention and prevent further escalation, but this requires further analysis. Especially in complex environments, it can be difficult to link cost and actual usage of the environment together.

Introducing the Full Orbit OCI Cost Manager

Full Orbit's OCI Cost Manager solution establishes a secure connection with your environment and analyses the usage and behaviour of your OCI environment in real time. You automatically receive proactive alerts when usage and behaviour deviate from the norm. The OCI Cost Manager also allows you to create schedules for scaling logical environments rather than individual products. With the OCI Cost Manager, you can manage costs at a logical level based on the use of the Cloud services.

Full Orbit OCI Cost Manager: The Benefits

- (Near) real-time insight into the consumption and behaviour of your OCI environment.
- The ability to create schedules for scaling logical environments rather than individual products.
- Management of Cloud services usage costs at a logical level.
- Set schedules for each logical environment using the Full Orbit OCI Cost Manager App, and activate a complete development environment with just one swipe whenever you need environments active outside the schedule.
- Automatically receive proactive alerts when usage and behaviour deviate from the predictions generated by Machine Learning.
- Track metadata analyses in near real-time in modern dashboards, and carry out your own analyses as well.
- Link specific data to your own systems via the OCI Cost Manager API gateway.



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Insight and Control with the OCI Cost Manager App

Oracle Cloud offers the option to switch services on and off, and partly makes use of automatic scaling up and down. The OCI Cost Manager adds an extra layer to this by grouping individual services into logical environments, such as “development” or “production”. Using the OCI Cost Manager App, administrators can then set schedules for each logical environment. With just a few clicks, for example, a development environment can be made active on working days only, directly resulting in cost savings. Developers who have access to the App can activate a complete development environment with a single simple swipe whenever it is necessary to have environments active outside the schedule.

Machine Learning

The OCI Cost Manager solution is based on advanced computational models that continuously monitor the behaviour of your environment. The generated data is automatically analysed using machine learning. The behaviour of your environment is translated into a computational model, which can be used to predict usage. If this prediction deviates from the historical baseline, you will receive an alert.

Advanced Analytics

In addition to monitoring the availability of services, other metadata is also collected. This data can be tracked historically and in near real-time (with a five-minute delay) in modern dashboards, where users can carry out their own analyses. These dashboards also provide insight into the cost forecast calculated by the machine learning models. Using the OCI Cost Manager's API gateway, it is also possible to link specific data to your own systems.

Getting Started with the OCI Cost Manager

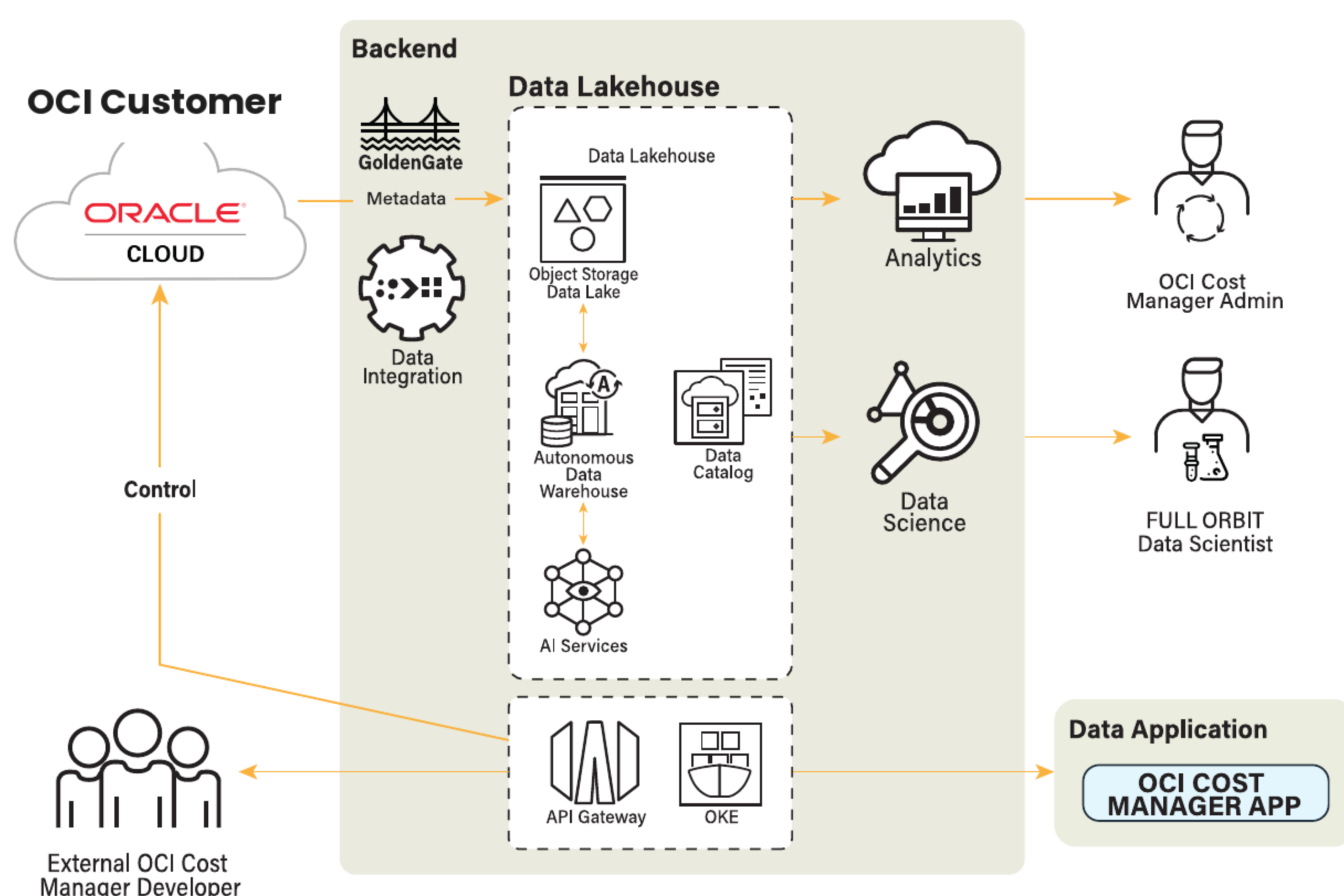
To use the OCI Cost Manager, a user with sufficient permissions is required to read metadata and switch services on and off. Full Orbit does not have access to business data and safeguards the customer's privacy. The OCI Cost Manager requires a 12-month subscription, which can be cancelled monthly thereafter. The subscription costs for the OCI Cost Manager amount to 5% of the managed monthly OCI costs, with a minimum of 250 euros. This includes use of the analytics environment, the OCI Cost Manager App, and the API gateway.

Full Orbit OCI Cost Manager: Technical Overview

The schematic overview below shows how the OCI Cost Manager functions and which components it comprises. Via a secure connection, metadata is extracted from an OCI environment using advanced software and sent to our Data Lakehouse.

On one hand, the Data Lakehouse consolidates the raw metadata to a level that can easily be analysed in a modern analytics environment with user-friendly dashboards and reports. On the other hand, the detailed level serves as input for the machine learning models developed and maintained by Full Orbit's Data Scientist.

Interaction with the Data Lakehouse is made possible by an API Gateway implemented in a managed container environment (k8s) to guarantee scalability. The customer's OCI Cost Manager App uses this gateway to control their own OCI environment. In addition, external developers can also use the gateway to develop their own applications.



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