



Oracle Management Cloud

Automated Monitoring, Management and Analytics Solutions for IT Operations

Cloud **Essentials**

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Cloud

Oracle Management Cloud represents a new generation of systems management tools designed for today's agile IT organizations. It's the culmination of Oracle's autonomous cloud vision to provide customers with a complete solution for managing and securing heterogeneous environments with minimal effort.

With a unified big data platform, powered by trained machine learning capabilities, Oracle Management Cloud provides a comprehensive and intelligent management platform that delivers zero-effort operational insights and automated preventive and corrective actions. IT operations and DevOps professionals automatically benefit from anomaly detection, clustering, correlation, forecasting, and other big data techniques to isolate and resolve issues across the entire operational and security data set—eliminating the limitations imposed by traditional management tools.

This comprehensive management environment increases DevOps agility and IT stability, minimizes outages, and eliminates disruption during periods of growth and change.

Oracle Management Cloud applies Oracle's autonomous database vision to systems management.”

- Comprehensive, intelligent platform that harnesses the power of machine learning for IT operations
- Zero-effort operational insights that help operations teams to stay on top of rapidly changing environments
- Automated preventive and corrective actions for rapid remediation to avoid emergencies and proactively manage changing workloads



Smarter Insight. Swifter Action.

Today's businesses rely on loosely coupled combinations of on-premises software and hardware as well as cloud services, making systems management more complicated than ever. To exacerbate matters, many of these organizations must maintain high service levels across a wide application portfolio that spans traditional systems of record, evolving systems of differentiation, and fast-moving systems of innovation—each of which operates at its own unique cadence. The current generation of management tools operates on metric-based instrumentation that requires manual customizations or custom-developed machine learning; tasks that rely on expensive and hard-to-find data-science expertise. These solutions also have other limitations. Machine learning, if used at all, is applied only to subsets of operational data (such as data from a single cloud provider or simply log data), or is optimized for one specific type of

application or technology. These solutions are neither comprehensive nor agile enough to cope with today's enterprise application portfolio.

Combining massive compute capacity with out-of-the-box advanced machine learning that's specifically designed for IT and DevOps problem-solving, Oracle Management Cloud enables a more intelligent and efficient management experience than any of the competing options. It automatically collects and analyzes all operational and security metrics and machine data, resulting in insights that are instantly available via dashboards that streamline real-time diagnostics, capacity planning, operational forecasting, and business analytics. Armed with a comprehensive understanding of how your applications are performing and automated remediation capabilities, your team can expedite preventive and corrective actions.

Automated management maximizes speed and minimizes costs.

Oracle Management Cloud doesn't just automate your manual tasks; it helps you to eliminate many of the manual processes that slow you down.

- Zero effort to manage upgrades, patches, and setup, as well as data encryption and application configuration
- Zero effort to set baselines and thresholds, discover and maintain topologies, and apply machine-learning-based insights without coding
- No data-science expertise required to analyze and report on tasks such as correlation and clustering, behavior analytics, anomaly detection, and forecasting
- No effort to integrate orchestration capabilities for preventive and corrective actions

Manage Today's Complex Environments

Oracle Management Cloud lets you manage any technology, anywhere. It gives you greater control over IT assets, ensures higher stability for your on-premises applications (both custom and packaged), and makes it easier to maintain optimum service levels.

- Maintain visibility across cloud-native microservices and cross-cloud integrations
- Prevent outages across a multifaceted application portfolio
- Collect and analyze data from end-user devices and browsers; through application, middleware, and database services; and all the way down to hardware, hosts, virtual machines, containers, and clouds

Source data can include structured and unstructured machine data such as metrics and logs, as well as data generated by user interactions with critical IT systems. And because Oracle Management Cloud is a self-learning environment, the more data you supply, the more value you can derive from it.

As an essential component of Oracle's expanding cloud platform services (PaaS) portfolio, Oracle Management Cloud is designed for any IT organization—not just for Oracle shops. If you need to manage a complex or rapidly changing application portfolio, you will find Oracle Management Cloud's services to be broadly applicable.

Harness the power of machine learning.

Oracle Management Cloud uses a broad array of machine learning techniques, including the following:

- **Anomaly detection:** Flags unusual resource usage and identifies configuration changes
- **Clustering:** Filters out signal from noise; aggregates topology-based data
- **Correlation:** Groups alerts on related symptoms; discovers dependencies
- **Forecasting:** Forecasts outages before they happen; plans capacity and resources





A Complete Suite of Systems Management Solutions

Oracle Management Cloud provides a unified platform of preintegrated services that can be consumed independently, but become exponentially more powerful when used together. These services include the following:

- **Oracle Application Performance Monitoring Cloud Service.**

This service integrates user experience monitoring and application metrics with log data analytics, enabling you to rapidly isolate, triage, and diagnose issues from a single user interface—often before customers are aware of those issues.

- **Oracle Log Analytics Cloud Service.**

This service stores and correlates machine data, allowing you to quickly and intuitively analyze billions of log entries using machine learning.

- **Oracle IT Analytics Cloud Service.**

This service allows you to conduct data-driven capacity planning and assess the performance of your applications and infrastructure using a year of historical data.

- **Oracle Infrastructure Monitoring Cloud Service.**

This service allows you to monitor IT infrastructures your applications depend on (such as hosts, servers, storage, networks, and other devices) from a unified platform.

- **Oracle Compliance Cloud Service.**

This service allows you to manage changes and control configurations (including industry-standard and custom compliance evaluations and reports).

- **Oracle Orchestration Cloud Service.**

This service allows you to orchestrate any IT task (such as patching) and enables automated actions based on intelligent findings. These include remediating an anticipated future event to avoid service disruption.

- **Oracle Security Monitoring and Analytics Cloud Service.**

This service leverages the full array of Oracle Management Cloud data and threat feeds in order to detect anomalies and identify weaknesses with policy-based remediation.

In addition, Oracle Management Cloud is the foundation of Oracle Identity Security Operations Center (Oracle Identity SOC) through out-of-the-box integrations with other security cloud service products such as Oracle Identity Cloud Service and Oracle Cloud Access Security Broker Cloud Service (Oracle CASB Cloud Service).

Instant Value from a Cloud-Native Solution

Valuable as it is, customer- and machine-generated operational data is also incredibly voluminous, repetitive, and difficult to cope with. Combine that with today's rapid pace of application and infrastructure changes and you have a very reactive and hectic operational environment, fraught with lengthy war-room debates and firefighting. Important anomalies may go undetected, and the result is perpetual chaos. With Oracle Management Cloud, the hard work of collecting, storing, and processing operational and security data is offloaded to Oracle Cloud so your team can focus on optimizing their critical business applications.

You will obtain insight from Oracle Management Cloud within minutes. There's no need to modify applications or infrastructure to work with Oracle Management Cloud. It learns about your application topology and automatically adapts to changes, simplifying ongoing maintenance.

A unified platform for conventional and cloud environments.

Contending with today's diverse technology environments makes it difficult to optimize performance and plan for future growth. As organizations rely more heavily on cloud applications and infrastructure, they need management tools that offer the power of cloud delivery coupled with modern capabilities to address issues that arise in complex IT environments. Oracle has the solution with Oracle Management Cloud.

Transform your IT team into a strategic business partner.

- Improve current resource utilization and plan accurately for future business growth across hybrid-cloud environments
- Improve agility through automated preventive and corrective responses and remediation for all your operational tasks
- Easily migrate workloads to Oracle Autonomous Database through automated workflow



Oracle Cloud Platform

- ✓ **Complete:** Best-of-breed, integrated solutions in every cloud category (DaaS, SaaS, PaaS, and IaaS)
- ✓ **Open:** Standards-based platform supports all workloads, apps, languages, open source, and data types
- ✓ **Secure:** Automated, always-on protection pushed down the entire cloud stack to the silicon layer
- ✓ **Choice:** Flexible cloud deployment options in public, private, hybrid, and Oracle Cloud at Customer
- ✓ **Intelligent:** AI and machine learning built into every layer of data, software, platform, and infrastructure

Cloud Essentials

[Click here](#) to learn more about Oracle Management Cloud, or try it free for 30 days by visiting oracle.com/EasyStart

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