Gain a full-stack view

Monitor and manage assets across your entire cloud and data center with a single view
The IT challenge: limited observability

As application architectures and infrastructure stacks evolve, the complexity of accurately identifying and troubleshooting issues also increases. Oracle’s own surveys show that 80% of IT issues are first reported by users, not IT monitoring tools and the trend is worsening. Why? DevOps engineers, site reliability engineers (SREs), IT administrators, cloud administrators, and cloud engineers in their roles as troubleshooters face many problems including:

**Finding expertise**
Without the right talent and skillsets, instrumenting and diagnosing issues with heterogeneous and polyglot application stacks is not easy.

**Isolated views**
Troubleshooting and triaging problems is difficult when observability solutions lack visibility across the mix of technologies.

**Disparate tools**
Point-solutions result in log, metric, and trace data silos. With data silos, problem solving becomes a challenging task.

Oracle Cloud Observability and Management Platform breaks down the silos between different types of telemetry to enable full-stack visibility rather than just tier-specific views. Organizations are able to move all operational data including metrics, logs, traces, and configuration data, to one tool for analysis as well as consolidate operational best practices and teams to support all technologies whether they are brand-new, born on the cloud or legacy.
Oracle Cloud Observability and Management Platform makes it 50% easier to prevent and solve IT problems. The solution consists of several cloud services (see Figure 1) that provide visibility and control across the entire IT estate to support transformational use cases including:

- **An integrated platform** with a single view for all customer cloud asset and data center monitoring and management enabling analysis across all types of data.

- **Multi-cloud monitoring** across Oracle Cloud Infrastructure, Amazon AWS, and Microsoft Azure as well as customer data centers.

- **Automating full-stack migrations** of applications and databases from on-premises to Oracle Cloud Infrastructure (OCI).

- **Reducing the need for dedicated expertise** with built-in machine learning (ML) for automated troubleshooting.

The introduction of the Oracle Cloud Observability and Management Platform demonstrates the company’s recognition that Enterprises are committed to connected cloud architectures that span multiple vendors, physical locations and infrastructure architectures.”

Mary Johnston Turner
Research VP for Cloud Management, IDC

See IDC’s point of view about Oracle’s unique infrastructure observability.
Oracle Cloud Observability and Management Platform services for IT and DevOps

Figure 1:
Oracle Cloud Observability and Management Platform services

**Monitoring**
End-user and server monitoring, including synthetic monitoring and standards-based distributed transaction tracing.

**Management**
Fleet monitoring and management with unified views for managing Oracle Databases across cloud and on premises.

**Logfile storage and search**
Centralized log management solution with intuitive rules-based actions and extensive standards-based interoperability including CNCF CloudEvents 1.0.

**Rapid troubleshooting**
Business-centric data analytics and exploration with curated ML-based algorithms pre-tuned for IT use cases.

**Performance analytics**
Capacity forecasting and planning including real-time, historical analysis of database, infrastructure performance, and resource utilization.

**Seamless integration**
Integration with industry tools including PagerDuty, Twilio, and Grafana for easy and free movement of log files and monitoring data.
Oracle Cloud Observability and Management Platform is delivered as a set of cloud services deployed on Oracle Cloud Infrastructure. It supports monitoring and management of applications and infrastructure, running anywhere, whether on-premises, on Oracle Cloud or any other 3rd party cloud. This enables organizations to select the software deployment model and platform that best suits customer needs. With Oracle’s solution pre-built in the cloud, benefits can be achieved in minutes after setting up versus months for an on-premises solution.

Explore how the Oracle Cloud Observability and Management Platform solution improves observability, increases IT efficiency, and reduces complexity and costs.

“"We are using machine learning to cut troubleshooting times and the risk of application downtime by 50%.”"

Michael Wolf
Managing Director, Promata