HUNKLER
GmbH & Co. KG

ORACLE ORCHESTRATION CLOUD SERVICE

ORACLE®

Oracle Orchestration Cloud Service

Oracle Orchestration Cloud Service is a software-as-a-service solution that lets you schedule and track workflows that execute scripts on hosts or invoke web service endpoints all from a single location. It's ideal for administrators looking to schedule recurring maintenance tasks across their on-premises and cloud infrastructure as well as developers looking to integrate a scheduler into their applications. For IT Managers looking to start or migrate an existing DevOps project to the cloud, Oracle Orchestration Cloud Service provides simple REST APIs that can be easily integrated with existing tools and scripts to provision new environments and applications.

KEY BUSINESS BENEFITS

• Single solution for on-premises and cloud

• Centralized operations

• Reduced complexity

• Lower investment

• Predict and plan future capacity

• Gain insight through custom analysis

KEY FEATURES

• Topology-aware workflow execution

• Dashboards

• Workflow log retention and analytics with Log Analytics integration

• Automated anomaly detection and alerting

• Both on-premises(agent) and cloud(REST) endpoint support

• Immediate and recurring execution

• Hyper cloud scale

Schedule, Track and Report on Tasks at Hyper Cloud Scale

Whether you need to run your task now or on a recurring basis, Oracle Orchestration Cloud Service will reliably initiate your workflow on one or thousands of entities or endpoints on time. Workflows can execute scripts on hosts having an Oracle Management Cloud agent or invoke web service endpoints over HTTP or HTTPS. For endpoints requiring authentication, Oracle Orchestration supports basic, Oracle Public Cloud, Amazon Web Service and Microsoft Azure authentication providing flexibility and cloud heterogeneity.

Users can track the status and progress of their workflows using either the REST API or the pre-built dashboards. Alerts can be sent upon successful completion or failure of the workflow via email or any notification channel supported by the Oracle Management Cloud platform.

Oracle Orchestration can also automatically detect and alert on anomalies in workflow execution time and failure rate enabling users to take proactive steps to triage and remediate issues as they are occurring.

Topology-Aware Workflow Execution

Modern applications are complex, elastic and typically have a dynamic topology. This can make it difficult for administrators to automate tasks that need to run across all members of an application topology. For example, say an administrator wants to update an OS package on hosts supporting a particular application. Typically this would require the administrator to figure out the current list of members each time they wish to perform this operation. With Oracle Orchestration, workflows initiated against an application

entity is automatically run on each current member of the application topology at the time of execution. Any changes to the application topology automatically discovered by other Oracle Management Cloud services are instantly made available to Oracle Orchestration and used during the next run of the application level workflow.

Workflow Log Retention and Log Analytics Integration

Workflow executions produce logs and these logs provide valuable information for understanding failures and forecasting execution times. Oracle Orchestration automatically retains workflow logs and generated output for 7 days. For additional retention and analysis, logs can optionally be sent directly to Oracle Log Analytics where they are automatically parsed and efficiently stored. Users can view Oracle Orchestration workflow logs alongside other log sources to understand and correlate outside factors causing changes in execution time, failures, etc.
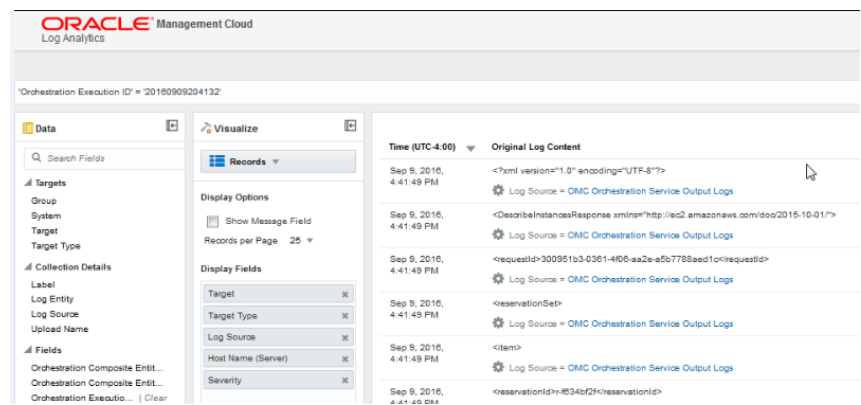

Figure 1. View of Oracle Orchestration Execution logs (REST response) in Log Analytics.

Dashboards

Dashboards provide operational insight for both IT and Business. Stakeholders can get visibility into the status and results of their workflows from one central place using out-of-box and custom dashboards. The rich set of predefined widgets, charts and controls enable extraction of critical operational information from the workflows including failed steps, errors and execution time. The big data platform common to all Oracle Management Cloud services enables aggregation of widgets from across services to get a 360-degree view of end-user experience, events, critical errors, business metrics and resource/capacity availability across all your applications and services.
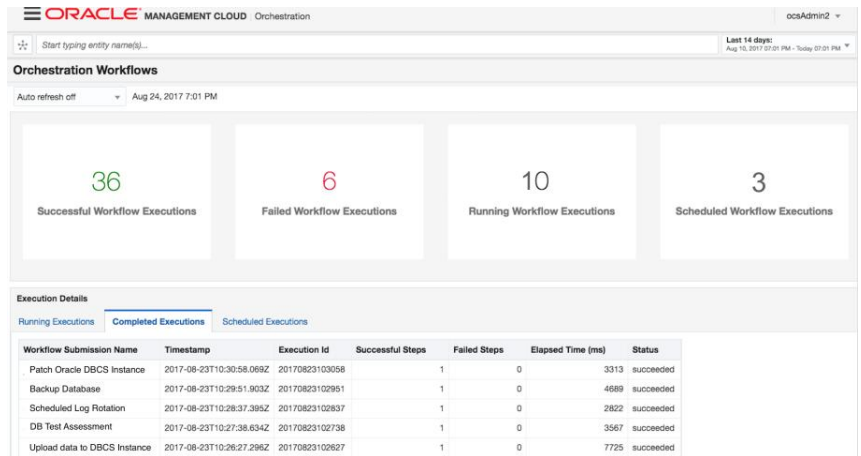
Figure 2. Workflow Submission Dashboard showing submissions over time based on Execution status.

CONNECT WITH US

blogs.oracle.com/oracle

facebook.com/oracle

twitter.com/oracle

oracle.com

Integrated Cloud Applications & Platform Services

Oracle is committed to developing practices and products that help protect the environment

ÜBER HUNKLER

Das Karlsruher Systemhaus HUNKLER wurde 1988 erster offizieller Partner von Oracle in Deutschland. Ein Team von rund 20 Mitarbeitern unterstützt Kunden aus Industrie, öffentlicher Verwaltung, Gesundheits- und Finanzwesen mit Beratung, Lösungsentwicklung und Managed Services.

Im Fokus von HUNKLER stehen leistungsfähige, wirtschaftliche Infrastrukturen für Oracle-datenbanken mit den Schwerpunkten Hochverfügbarkeit, Ausfallsicherheit und Zero Downtime Migration. Die integrierten Komplettlösungen der Produktfamilie Oracle Engineered Systems sowie der Datenbank-/Anwendungsbetrieb in der Oracle Cloud sind weitere Themenfelder, die das Unternehmen umfassend abdeckt.

HUNKLER
GmbH & Co. KG

Hauptsitz Karlsruhe
Bannwaldallee 32, 76185 Karlsruhe
Tel. 0721-490 16-0, Fax 0721-490 16-29
Geschäftsstelle Bodensee
Fritz-Reichle-Ring 6a
78315 Radolfzell
Tel. 07732-939 14-00, Fax 07732-939 14-04
 info@hunkler.de, www.hunkler.de