

Oracle Load Testing and Analysis Service

ORACLE® Advanced Customer Services

COMPREHENSIVE TESTING SOLUTION FOR ORACLE DATABASE ENVIRONMENTS

KEY BENEFITS

- Increase uptime
- Reduce cost and risk
- Raise quality of production

KEY SERVICE FEATURES

- Comprehensive testing
- Detailed analysis reports with findings and recommendations from load testing experts
- SQL analysis and Oracle database load analysis to evaluate performance before and after a change

Oracle Database helps lower IT costs and delivers a higher quality service by enabling consolidation onto database clouds and Engineered Systems, such as Oracle Exadata. Since technology changes are common in today's competitive environment, Oracle Advanced Customer Services delivers the Oracle Load Testing and Analysis Service to help customers evaluate the impact of a planned change to a database environment for increased performance and higher availability.

Oracle Load Testing and Analysis Service

Delivered through the Oracle Advanced Support Platform, Oracle Load Testing and Analysis Service combines the latest automated technology, interactive tools, and advanced support expertise to deliver a well-defined outcome for a customer's unique Oracle goals.

Oracle Load Testing and Analysis Service helps customers increase uptime, lower cost, and reduce risk by providing a comprehensive testing solution to evaluate the impact of a planned technology change on database performance, and to identify and address issues before go-live. The service includes:

- Comprehensive testing for database issues
- Detailed analysis reports with findings and recommendations from load testing experts
- Reports include a SQL Analysis and Oracle database workload analysis to evaluate performance before and after a change

The results for your environment include:

- Increase uptime, reduce risks, and lower costs by proactively identifying and remediating potential issues prior to production rollout
- Enable business agility through significantly reduced risks and costs
- Gain unique, comprehensive testing using real-life workloads
- Raise quality of production with secure testing solution

Load Testing and Analysis Tools

Oracle Advanced Support Platform

Oracle Load Testing and Analysis Service uses the Oracle Advanced Support Platform to deliver this unique service. The gateway is a secure connection between you and Oracle designed to securely handle transmission of events and telemetry to Oracle. No customer

data is sent back to Oracle. The gateway provides delivery automation and efficiencies that help drive faster deployment and execution of the Load Testing and Analysis Service.

Oracle Advanced Support Portal

The portal helps keeps you updated every step of the way on your testing process. It also shows the outputs of your testing, including analysis, executions, and validations.

Flexible Delivery Models

There are 2 delivery models for the Oracle Load Testing and Analysis Service. Both models require the Oracle Advanced Support Platform, which resides at the customer site, and has all the tools and technology needed for service delivery.

Model 1: Local/Remote—The Advanced Support Engineer is staffed out of remote expertise centers and the Technical Account Manager is local (region/country of the customer). This model requires connection back to Oracle for service delivery. No customer data is transported back.

Model 2: All Local—Both the Advanced Support Engineer and Technical Account Manager are local to customer's country. This model has 2 options: Connected (similar to the one from Model 1) and disconnected (there is no connection back to Oracle).

Testing Process

Below is the testing process after the Oracle Advanced Support Platform has been setup:

Oracle Load Testing and Analysis Service Process Load

Load Testing Project Plan

Discussion with you and Oracle about the database and application workload profile to set service expectation, outcome, and success criteria

Review any patches required for the service in the production and test systems

Review of your database's historical data or monitor database for a period of time to identify peak load times

Define project plan that covers load testing plan, timelines, and service outcome

Test System Readiness

Implement the delivery checklist to ensure the test system is ready for the load test service to begin

SQL Analysis

Setup workflow to capture SQL statements in production (SQL Set) and move to test

Run SQL baselines on test before and after the change

Analyze outcome and upload reports/recommendations to the Oracle Advanced Support Portal

Load Testing

Setup workflow to capture production workload during the peak load times identified

Pre-process and move workload to test

Replay workload baselines on test before and after change

Analyze outcome and upload reports/recommendations to the Oracle Advanced Support Portal

Present/Web Conference

Web conference between you and Oracle to review reports and recommendations

Use Cases for Oracle Testing and Analysis Service

There are several use cases and examples of environments which would benefit from leveraging this comprehensive testing solution for Oracle Database environments:

Use Cases

Consolidation and platform migrations (moving from legacy to Oracle Exadata technology refresh)

Database upgrades (Oracle Database 10g to Oracle Database 11g, Oracle Database 12c)

Patches, initialization parameter changes, schema changes such as adding new indexes, partitioning, or materialized views

Configuration changes to the operating system, hardware, database (moving from single instance to RAC/ASM), storage, network, interconnect

Comparing SQL performance between two different systems

Oracle Exadata simulation for DW/DSS workloads

Workload stress testing, capacity planning, and scale-up testing

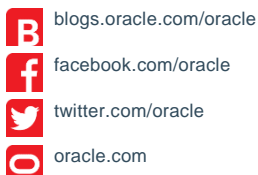
Lifecycle Services customers who have purchased the Consolidation Planning/Migration Services and need to validate the outcome of the changes made using those services

CONTACT US

For more information about Oracle Load Testing and Analysis Service, visit oracle.com/acs, email us at acs_ww@oracle.com, or call +1.800.ORACLE1 to speak to an Oracle representative.



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