PERFORMANCE AND SCALABILITY BENCHMARKING SERVICE

The Performance and Scalability Benchmarking Service is a series of lab tests that will provide the customer with the scaling and performance empirical data needed to make business capacity decisions, changes or additions to the network with predictable results.

Overview

Oracle will develop a test plan for customer review. Once the customer has reviewed and approved the test plan, Oracle Communications consultants will execute the test plan and provide a complete performance report to the customer.

Using advanced test devices and proven test cases, the consultants will simulate the customer’s current network environment and generate steady state and/or peak traffic volumes. Once the current network performance measures have been determined, consultants will apply network change conditions to the test environment, execute test cases and record results.

Prerequisites

A customer or reseller that owns an Oracle Communications Session Border Controller (SBC) that was purchased directly from Oracle or from an authorized reseller, and is under warranty or a current maintenance service agreement. A customer that purchases the Performance and Scalability Benchmarking Service will provide the requested configuration information.

Features and Key Deliverables

Oracle will use internal lab capabilities, SBC hardware and system configurations to simulate the customer’s deployment in their production network. Software revisions will be exactly the same as the customer’s production image or a general availability release that the customer requested the testing be performed against. In addition, Oracle reserves the right to recommend and provide test results on a different software image that may provide performance enhancements beyond those in the exact match or proposed later stream image. Oracle will build a customized test environment to simulate the customer’s live deployment.

Typical data gathered for a hosted access application (all values are current deployed or projected targets) is listed below.

- Maximum number of endpoints
- Busy hour call attempts
- Percent of hosted NAT traversal (HNT) endpoints (plus average re-registration refresh period)
- Percent of non-HNT endpoints
- Registration signaling messages model based on customer-supplied network traces (standard four-message registration sequence will be used if customer network traces are unavailable)
- Invite signaling messages model based on customer supplied network traces (standard
seven-message invite sequence will be used if customer network traces are unavailable)

- Call flows, either on-net to on-net (hairpin) or on-net to off-net

Typical data gathered for an interconnect peering or SIP trunking application (all values are current deployed or projected targets) is listed below.

- Description of PBX behavior
- Number of peering partner devices
- Average signaling rate from peering partner devices
- Invite signaling messages model based on customer supplied network traces (standard seven-message invite sequence will be used if customer network traces are unavailable)
- DTMF method of transport

To simulate the network loading, Oracle will use advanced test equipment from respected test vendors, internal Oracle-developed test environments and widely used open source tools.

Test result documentation will be provided to the customer by Oracle and will clearly state goals and objectives for the exercise, as well as the test methodologies followed during the testing.

Test results will be documented both in tabular and graphical format as applicable. All assumptions made during testing will be documented. Oracle will review the testing results with the customer in a technical conference call and will provide any supporting data that the customer may want from the testing effort. Any identified defects on Oracle hardware or software that block successful execution of this exercise will be logged and worked through to completion.

**Customer Responsibilities**

- The customer will provide all necessary configurations and interconnect information to Oracle.
- The customer will identify a technical contact that will participate in the information gathering phase, will be the point of contact for all information requests or technical questions and will provide sign-off for completed work.

**Ordering**

This service must be ordered by the customer or a reseller directly from Oracle.

**Assumptions**

- Service cannot begin prior to receipt of a valid order from the customer and before acceptance of the order by Oracle
- Customer will be able and willing to provide requested information
- The customer will make Oracle aware if a government security clearance is required by the Oracle Communications Consulting team prior to sending any information to Oracle
- Service start and completion date will be mutually agreed upon by Oracle and the customer

**Contact Us**

For more information about the Performance and Scalability Benchmarking Service, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.