Oracle Capacity Planning
Review and Recommendations

When running mission critical IT environments, you need to ensure that performance is not inhibited by capacity limitations. Having a data-driven analysis and strategy for capacity planning is critical to meeting both the peak and long-term capacity needs of your organization.

With intimate knowledge of Oracle tools and best practices, Oracle Advanced Customer Support reviews your current available capacity, analyzes consumption trends, and delivers capacity planning recommendations that help optimize current capacity and mitigate risk of capacity related outages.

Value of Capacity Planning

When not monitored properly, the capacity of your IT infrastructure can negatively affect system reliability and underlying business performance. Furthermore, not understanding capacity thresholds may impact your ability to scale and expand IT service capacity in a timely manner. This can also drive up infrastructure costs if ad hoc capacity needs to be acquired.

When properly evaluating and planning for the capacity needs of your organization, you can ensure a more scalable and reliable environment. And with the proper consumption data and forecasts, you can keep the cost of IT operations in line with business growth.

Rigorous Processes Ensures Optimal Planning

Oracle Capacity Planning Review and Recommendations provides your IT team with external validation of your IT capacity thresholds, and helps ensure you properly plan for a scalable environment. Oracle engineers perform a rigorous capacity planning analysis that includes evaluation of your architecture – including the database layer, operating system, virtual machines, servers and storage technologies. Oracle reviews business processes and existing benchmarks, and then performs mathematical modeling and regression analysis based on your internal metrics.

Key activities include:
- Review existing configuration, and establish sizing and available capacity for the covered technologies
- Working with the customer to gather data for key capacity and utilization metrics; including an analysis of peak period consumption
- Analyze utilization and consumption trends using statistical model
- Project future capacity risks and identify potential mitigation actions
- Deliver final report and recommendations
Planning with Mathematical Modeling

Oracle Advanced Customer Support performs the capacity planning service utilizing a structured process that includes a team kick off meeting followed by a technical and process review. The service then continues with metrics gathering from a representative 90-day window, to include in the data analysis and capacity modeling. Oracle engineers complete the service by delivering a detailed report and recommendations.

Oracle Capacity Planning Review and Recommendations starts with assessing your current architecture and capacity. Engineers collect data on the growth rate of your existing systems and then extrapolate the data using a statistical model and existing data to validate assumptions. Oracle engineers leverage this data driven approach in conjunction with their real world field experience and Oracle best practices to provide you the deep analysis and recommendations needed to properly plan for your capacity needs. Oracle’s final report and recommendations will include:

- Review of systems/technology
- Architecture and configuration validation
- Review of the results/validation
- Infrastructure sizing validation
- Identification of future roadmaps for expansion
- Risk assessment/mitigation
- Key recommendations

With this report, you will have the data and justification to appropriately size your environment and better plan for future expansion. Oracle’s use of rigorous modeling techniques helps ensure optimal capacity choices and with this data, allowing you to better justify budgeting and growth requirements.

Build a Foundation for Enhanced Performance

Oracle Advanced Customer Support delivers specialized knowledge, tools & best practices to ensure that your Oracle technology is implemented properly and configured for optimal performance in your mission critical IT environment. Let Oracle help you accelerate technology adoption, maximize availability and performance, and reduce overall risk.

CONTACT US
For more information about Oracle Capacity Planning Review and Recommendations, visit oracle.com/acs, e-mail us at acsdirect_us@oracle.com, or call +1.800.ORACLE1 to speak to an Oracle representative.

Copyright © 2014, Oracle and/or its affiliates. All rights reserved. This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group. 1014