

# Oracle Capacity Planning Review and Recommendations

## ORACLE® Advanced Customer Services

### OPTIMIZE CAPACITY OF MISSION-CRITICAL IT ENVIRONMENTS

#### KEY FEATURES

- Reviews existing configuration, and establishes sizing and available capacity for the covered technologies
- Gathers data for key capacity and utilization metrics; including an analysis of peak period consumption
- Analyzes utilization and consumption trends using statistical model
- Projects future capacity risks and identifies potential mitigation actions

#### KEY BENEFITS

- Document current capacity and resource availability
- Understand resource consumption trends and identify future needs
- Determine peak load impact to resources
- Maximize return on investment by optimizing usage of current capacity
- Mitigate capacity related business disruptions

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 detailed knowledge of Oracle tools and recommended practices, Oracle Advanced Customer Services 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
- Work 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

**TECHNOLOGIES COVERED:****SOFTWARE:**

- Oracle Database

**OPERATING SYSTEM AND SYSTEMS SOFTWARE**

- Oracle Solaris
- Oracle Solaris Cluster
- Oracle Linux

**SYSTEMS**

- Oracle Engineered Systems
- Oracle SPARC
- Oracle Pillar Axiom
- Oracle ZFS Backup Appliance
- Oracle ZFS Storage Appliance

## Planning with Mathematical Modeling

Oracle Advanced Customer Services performs the capacity planning service utilizing a structured process that includes a team kickoff meeting, followed by a technical and process review. This 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 recommended practices to provide you with 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 Services delivers specialized knowledge, tools, and recommended 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](http://oracle.com/acs), email us at [acs\\_ww@oracle.com](mailto:acs_ww@oracle.com), or call +1.800.ORACLE1 to speak to an Oracle representative.

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## Integrated Cloud Applications & Platform Services

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