

# MODERNIZE YOUR SAS ON ORACLE ENVIRONMENT



Leverage Oracle and SAS Joint Partner Expertise to Solve the Challenge of Modernizing and Optimizing SAS Oracle Environments

Businesses derive benefits from SAS solutions by integrating processes and data across the entire organization. Optimal SAS deployments provide agility, interoperability, and growth to meet changing business needs while minimizing the impact on IT.

## Highlights

- Explore opportunities for maximizing SAS environments through architectural analysis and assessment
- Leverage Oracle and SAS joint expertise to select and implement an optimal hardware and software infrastructure
- Learn the pros and cons of different technology advances and the environments for which they are best suited
- Benefit from an examination of real-world scenarios

## Leverage Oracle and SAS Expertise

SAS advanced analytical software is vital for thousands of organizations, providing mission-critical intelligence and enabling faster and more accurate business decisions. Oracle and SAS partner to provide companies with a highly integrated and optimized environment running SAS software on Oracle platforms. To accomplish this mission, Oracle and SAS invest in joint development and technical resources. They also leverage more than 25 years of experience in Oracle and SAS environments, taking a best practices approach to customer requirements. Once engaged, Oracle and SAS teams work jointly to help customers analyze and assess their environments and ascertain the best options for moving forward.

## Determine the Best Architecture and SAS Configuration

Customers can benefit from Oracle and SAS expertise, learning how best to take advantage of modern advances in efficient server designs, innovative data and storage management technologies, and resource management capabilities to accomplish more with less in SAS environments. The experienced Oracle and SAS joint partner team can help evaluate a wide variety of options that include:

- Scaling and refreshing departmental SAS environments by adding more resources within the server, moving to larger servers, or moving to a SAS grid
- Consolidating SAS installations on standalone PCs onto a server or grid environment
- Moving off legacy monolithic systems by upgrading to new and faster high-end servers or deploying a grid model
- Consolidating data warehouses while optimizing SAS environments with grid, network-attached storage (NAS), storage area network (SAN), and advanced in-database technologies

Running SAS software in a grid environment provides powerful capabilities, including high availability, extensive scalability, and load balancing. However, the complexities of designing and implementing a grid architecture can be challenging and costly. By deploying



SAS software on Oracle's optimized, pre-engineered, and pre-tested hardware and software platforms — Oracle Exadata Database Machine, Oracle Exalogic Elastic Cloud and Oracle SPARC SuperCluster T4-4 system — enterprises can greatly reduce this complexity.

In addition, companies must decide whether to consolidate or migrate older versions of SAS software to the current 9.x versions. Oracle and SAS teams have the experience and can provide answers to questions while helping customers weigh the pros and cons of various upgrade paths. They can ensure that security and availability concerns are addressed as part of the solution and advise on the relative ease of installing, configuring, managing, and maintaining the different environments.

### Look at How Oracle and SAS Solved These Challenges

The following scenarios illustrate just a few of the wide variety of solutions available for modernizing and optimizing SAS software deployments. In each case, Oracle and SAS subject matter experts analyzed the available options and helped customers to select the one best suited to user, IT, and business priorities.

#### A Leading Online University

The University of Phoenix has more than 200 worldwide campus locations, with over 360,000 students enrolled globally. Huge volumes of data generated by geographically-dispersed students with the need to perform sophisticated analyses led Oracle and SAS staff to recommend a grid as the best and most cost-effective solution. SAS Grid computing allows large jobs to be spread across multiple low-cost Oracle server nodes for faster execution.

#### A Large Global Leisure Travel Services Provider

A large global leisure travel services provider runs a huge nightly batch job that generates thousands of reports. Existing Sun Fire E6900 servers were encountering I/O and computing bottlenecks and would soon exceed the allotted window for batch processing.

Oracle and SAS proposed running SAS grid software on four clustered Oracle SPARC Enterprise servers connected to a Sun ZFS Storage Appliance from Oracle that is capable of handling the data sharing. The result is a lower-cost, high-performance solution that provides outstanding server and grid scalability.

#### A Large Healthcare Insurance Provider

A long-time user of SAS, a large healthcare insurance provider outgrew their existing departmental servers and wanted to add new SAS functionality and users. They decided to consolidate onto a large Oracle SPARC Enterprise server for massive scalability. As a result, they can maintain their existing architecture and simplify the migration process while providing flexible resource allocation by utilizing the virtualization power of Oracle Solaris Zones.

#### A Large SAS Solutions Hosting Service

A very large hosting service providing mission-critical, highly-regulated SAS solutions for some of the largest pharmaceutical, financial, retail, and government organizations wanted to consolidate their data warehouses onto two Oracle Exadata Database Machines. After an in-depth assessment, the stringent requirements for security, scalability, backup, and data management, coupled with a need to streamline operations, improve performance, and cut associated operational costs, made running SAS software running on Oracle platforms an obvious choice.

#### A Large Government Financial Regulatory Agency

Faced with IT budget reductions, rapidly increasing and fluctuating capacity demands, and legislative scrutiny, a major regulatory agency knew there was little room for error in determining a new deployment architecture. Consequently, the ability to drive higher resource utilization and reduce associated operating costs resulted in a decision to consolidate and virtualize their computing environment on Oracle's Exalogic Elastic Cloud.

### CONTACT US

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