



SAS Grid Appliance Powered by D4t4 Solutions

Solution Overview

SAS simplifies the complexities of consolidating, upgrading and modernizing your infrastructure through a rapid deployment SAS Grid Appliance powered by D4t4 Solutions.

SAS Grid Appliance is creating cost and technology efficiencies, transforming the way businesses manage their data and disrupting established thinking on the deployment of SAS across an organization.

SAS Grid Appliance is perfectly suited to advanced analytics, data visualization, complex data modeling and real-time, data-driven decisioning applications.

High-performance, Flexible, Scalable

SAS Grid Appliance gives you workload balancing, high availability, scalability and faster processing in a centrally managed high performance grid computing environment.

Clients are using the opportunity to revisit their SAS infrastructure and migrate rapidly to a SAS Grid Appliance environment, revolutionizing their SAS estate and realizing fast, often instant, ROI. SAS Grid Appliance allows deployment in the most efficient way possible, optimizing an organization's SAS investment and freeing up IT resources to work on more productive tasks that deliver innovation and benefit to the business.

Designed for SAS Workloads

SAS Grid Appliance delivers a platform which has been expertly architected to support new software functionality and future growth. Likewise, it meets performance expectations now as well as continuing to deliver consistent performance against projected usage.

The deployment of SAS Grid Appliance also overcomes additional issues inherent in running a mission-critical SAS estate. It negates the issue of finding suitably skilled SAS and IT administrators to run a SAS infrastructure and bridges the project delivery gap between SAS Grid Appliance readiness and internal IT resource availability.

Finally, SAS Grid Appliance removes software compliance issues by providing a clear roadmap for ongoing software support. Non-supported software is a potential compliance breach attracting substantial regulatory penalties but SAS Grid Appliance improves governance and reduces risk by uninterrupted running of software versions for which support remains available.

Fully Configured, Integrated and Supported

SAS Grid Appliance is typically delivered by SAS Solutions OnDemand within a three month timeframe ready for deployment:

- ❑ Delivered fully built, configured and tested.
- ❑ Implemented and installed with full integration to required systems.
- ❑ All legacy applications migrated to the new SAS Grid Appliance.
- ❑ Fully supported through remote management for complete peace of mind and without any impact on existing security protocols.

Why SAS Grid Appliance Powered by D4t4 Solutions?

- ❑ Reduced total cost of ownership:
 - Significant savings in year 1, typically accelerating in successive years.
- ❑ Reduced time to deliver:
 - From contract signature, SAS Grid Appliance operationally available for migration within three months.
- ❑ Significant performance improvements, with faster processing typically measured in orders of magnitude.
- ❑ Addresses compliance issues and removes the unquantifiable cost of regulatory fines for non-compliant platforms.
- ❑ Addresses SAS and IT skills availability as well as challenges in retaining analyst and data science experts.
- ❑ Flexibility in finance with both Opex (off balance sheet) and Capex (on balance sheet) options available.
- ❑ Frees up IT to work on more productive tasks, increasing innovation and competitiveness to the benefit of the business.
- ❑ Security assured with ISO27001 and PCI DSS implementation and support expertise.
- ❑ D4t4 Solutions Plc has been a SAS partner since 2006, working seamlessly with SAS Solutions OnDemand to provide remote managed services and cloud solutions for clients globally.

Example Technical Specification

- ❑ Appliance optimized for performance, resilience and scalability.
- ❑ N+1 redundant architecture.
- ❑ 99.9% availability SLA with 24x7 support.
- ❑ 5 year contract for maximum cost-efficiencies

	Entry-level	Mid-range	High-end
	<i>Suitable for development/test environment, disaster recovery, etc.</i>	<i>Suitable for production environment</i>	<i>Suitable for production environment</i>
Number of cores	96 (8 servers)	204 (17 servers)	416 (26 servers)
Memory per server	256Gb	256Gb	512Gb
Total NAS storage	0.5Pb	1Pb	2Pb
Flash storage	5.2Tb SSD per server	5.2Tb SSD per server	5.2Tb SSD per server

Appliance infrastructure includes:

- ❑ Provision of visualization and OS licences
- ❑ Provision of management tools
- ❑ Provision of rackspace

- ❑ Provision of grid network fabric
- ❑ Provision of secure network fabric for delivery of remote managed services (subject to client agreement on network topology, security, integration, setup and configuration)
- ❑ Hardware capacity for remote management systems including password control, configuration management, monitoring and log management
- ❑ Application of hotfixes and maintenance releases

Appliance infrastructure excludes:

- ❑ Backup – this can be architected as part of the overall solution if required
- ❑ Major version upgrades – specified according to client requirements
- ❑ SAS software administration – this is dependent on client-available resources and can be provided if required

Services included:

- ❑ Build and test
- ❑ Migration expertise
- ❑ Knowledge transfer
- ❑ Management and support – this solution assumes remote management and support of the hardware and software on a 24x7x365 basis

About SAS

SAS is the leader in business analytics software and services, and the largest independent vendor in the business intelligence market. Through innovative solutions, SAS helps customers improve performance and deliver value by making better decisions faster. Since 1976 SAS has been giving customers around the world The Power to Know®.

SAS' mission is to deliver superior software and services that give people the power to make the right decisions. SAS wants to be the most valued competitive weapon in business decision making through:

- ❑ Superior technology
- ❑ Financial reliability
- ❑ Commitment to serve its customers
- ❑ Industry and analyst validation

For more information on the history of SAS, please refer to www.sas.com/company/about/history.html

About D4t4 Solutions Plc

D4t4 Solutions Plc was established in 1985 and has been a SAS partner since 2006. We provide seamless provision, alongside SAS Solutions OnDemand, of remote managed services and cloud solutions for clients globally and have wide-ranging skills in solution architecture, data integration, implementation, training and support of SAS products

- ❑ Experience on dozens of SAS projects around SAS Grid Manager, SAS Customer Intelligence, SAS Real-Time Decision Manager, SAS Marketing Automation, SAS Visual Analytics and more.
- ❑ Exposure to multiple industry sectors.
- ❑ Global pre-sales support capability.
- ❑ Support for clients across the world from trained and certified SAS developers.
- ❑ Security-focused with ISO27001 certification since 2011 and PCI DSS since 2015.

For more information on D4t4 Solutions Plc, please refer to www.d4t4solutions.com/company-information/