



Managed Analytics Service with SAS on Azure

Making intelligent decisions based on insight gained from business data is a decisive factor for business success. Data warehousing and business analytics are the operations through which fortune 500 companies derive business insight for decision making. Yet such operations have been out of reach for many small to medium businesses over the past years. Powerful analytics platforms and tools that reveal insight from data – such as SAS 9.4 are priced out of range for SMBs. Less pricy tools are either less effective or require laborious work to operate – making them, again, out of reach for SMBs.

With the advent of cloud computing and the emergence of managed services, this has now been reversed! Cloud based managed analytics services allows businesses of all sizes to use business intelligence, business analytics, machine learning and AI. The “pay only for what you use” business model allows even small businesses access to the platforms and tools that are previously reserved for big companies. Microsoft's Azure Cloud platform is the most widely recommended platform for analytics services because it meets the highest requirements for data security and data protection, such as FIPS and GDPR.

Knowledge Delivery Services, LLC. is a SAS Silver Partner and a Microsoft Silver Partner for Cloud and Data Analytics. KDS-LLC assumes the role of a primary partner for customers who want to utilize the advantages of the Azure Cloud together with the broad application spectrum of SAS Software. We have developed two alternative flexible and budget sensitive venues to enable all businesses to adopt the managed cloud analytics business model – Bring Your Own SAS License (BYOSL) approach and the Bring Your Own Data Only (BYODO) approach

1

Bring your own SAS 9.4 or SAS Viya License

Our BYOSL Consulting & Service is fit for customers who are already in possession of all necessary licenses for business analytics tools such as SAS 9.4 or SAS Viya license that they wish to operate on the cloud. In this scenario we will help you size your analytics workload and recommend the right-sized Azure Virtual Machine (SAS 9.4) or Azure Managed Kubernetes Service (SAS Viya). We will fully deploy the platforms, and also assist with platform administration and support – if required.

Our goal is to enable the customer to create the best possible operating conditions for the SAS application in the Azure Cloud. Main success criteria are user-friendliness,



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scalability, performance, integration capability in Azure and data security.

2

Bring Your Own Data Only

In the second model, KDS-LLC acts as a Managed Analytics Services Provider (MASP). Here the customer does not need his own SAS or Microsoft Cloud licenses. KDS-LLC uses its own SAS license, provides a Microsoft Azure Cloud Subscription and the customers bring their data. It could be as simple as that! Everything's on us! We call this "worry free analytics". Your data resides on our server for as long as it needs to be analyzed and converted into insight. Your reports can persist on our platform – or you can also have it back. The basic services here includes for example:

Consulting & Service Main Features:

- Sizing and provisioning
- Installation planning, pre-install documentation
- Deployment, configuration and deployment validation
- Cost Assumptions for Operations
- Integration of SAS with Azure Services and third-party services
- Evaluation and Implementation of Data Security Concepts
- Resource Management

SAS Application Management

- ✓ Hotfixes & Upgrade to newer version
- ✓ Backup & Recovery of application data
- ✓ Monitoring of administrative batch processes
- ✓ Monitoring that SAS processes (e.g. metadata server, web server, etc.) run stable. Troubleshooting or restarting of processes.
- ✓ Regular "cleanup" of SAS processes: Terminate zombie processes, delete remaining SASWORK folders.
- ✓ regular scanning of SAS server logs for errors