

Technical Fact Sheet On Premise

A summary document outlining the primary technical requirements for K3|dataswitch's **On Premise** including platform/infrastructure pre-requisites



MINIMUM RECOMMENDED INFRASTRUCTURE

Windows Server Standard 2012 R2 or higher
Microsoft SQL Server 2008 Standard

Memory: 2GB or Higher
Processor Speed: 2.0Ghz or higher

k3|dataswitch requires an Internet connection

WINDOWS COMPONENTS

Internet Information Server (IIS) 10*
Microsoft .Net 4.7.1 or higher
ASP.Net Core 2.0
HTML 5 compatible browser IE11 or
Google Chrome (recommended)

k3|dataswitch is 64bit by default
32bit configuration also available

* IIS Default Components are required including URL Rewrite Extension which we will auto install if not present

FROM DISPARATE DATA TO ACCURATE INSIGHT, VALUE DELIVERED.



Architecture Configurations

k3|dataswitch typically resides on the same infrastructure as your ERP system (Recommended) which means you can share the infrastructure with k3|dataswitch on a single server platform.

If both the application server and database engine are on the same server this configuration is known as 2-Tier. Separating the application layer from the database layer provides a 3-Tier configuration which is also supported.



Resource Requirements

k3|dataswitch is an integration platform which can be used for a range of different system integrations, from single solutions to multi-use cases. This impacts the specific resource requirements and varies between deployment. However, the application has been designed to be optimised with data handling to leverage the performance of Microsoft SQL Server, hence why it is an optimal fit to share resource of the core systems in use where applicable.



Security

Contained within an integral security layer which enables users to control access through a role based approach, meaning users can be granted specific privileges depending on function. Optionally, you can elect to make use of NT Authentication, which couples the k3|dataswitch user to an Active Directory domain user to simplify administration.

Configuration credentials specific to the product are fully encrypted, preventing plain text viewing of the products configuration. Couple this with the security features of Microsoft SQL & Windows Server the net result is a tightly controlled solution for systems integration.

Integration specific security is dependant on the systems being integrated, however k3|dataswitch supports many secure methods ranging from SFTP/FTPS to OATH 1 & 2 API encryption levels.



Skillsets

Within k3|dataswitch a suite of functional integration objects are available to use within each use case, these range from transformation objects through to API objects. As with all system integrations an understanding of the target systems and business processes affected is critical to development. If not directly available, access to such key resources is required to successfully implement an integration.

k3|dataswitch supports XSLT and JavaScript in a feature rich environment designed to manipulate data at its core, providing the systems integrator greater flexibility and increased functionality. An understanding of these translation languages is required to maximise the power of k3|dataswitch provides the implementer.

Peripheral technologies such as Microsoft SQL and therefore the TSQL language is beneficial should k3|dataswitch be required to integrate with SQL databases directly. Building on this, should the API functions be used, knowledge of web calls and API methods is advantageous.

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