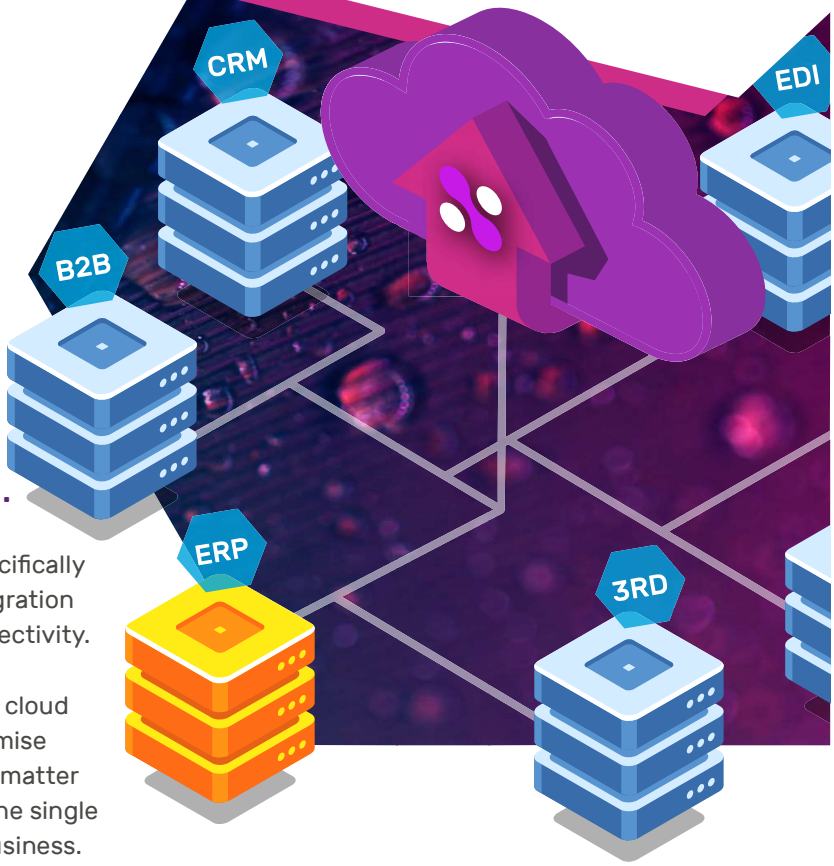
Cloud iPaaS Platform Feature Sheet



Free your data and utilise the power of the platform to connect, transform and integrate your various systems today...

Any system, anytime, anywhere.

K3|dataswitch Cloud contains a set of features specifically designed to enable organisations to approach integration without the worry of needing system specific connectivity.

Integrate cloud based systems together with other cloud based systems or integrate them with your on-premise systems using the hybrid enablement features. No matter where the system, K3|dataswitch Cloud provides one single platform to meet the varied demands of modern business.

Flexible, supportable, achievable.

Every organisation has an integration requirement. The main differences are often associated with varying degrees of complexity, changes in data volume(s), frequency of integration actions and the transformation of data between systems that “speak” different languages.

K3|dataswitch stands out as a solution which is capable of meeting every challenge, from its core architecture (see the tech fact sheet,) its features, through to its intuitive user interface.

Projects & DataFlows

Manage your integrations on a per project basis creating unique flows of information within dedicated Data-Flows between your systems. Create, enable, copy and administer all from one design area.

Hybrid Enablement

Create and deploy secure on-premise agents to enable the platform to communicate with your local systems and data. The agents are fully encrypted and work alongside your existing IT security policies.

Data Exchange Hub

Move beyond logical flows and expand your capabilities to support enterprise class message queing, mailbox and secure file transfer features. Near realtime data movement coupled with flow execution and performance data transformation.

FROM DISPARATE DATA TO ACCURATE INSIGHT, VALUE DELIVERED.

Projects & DataFlows

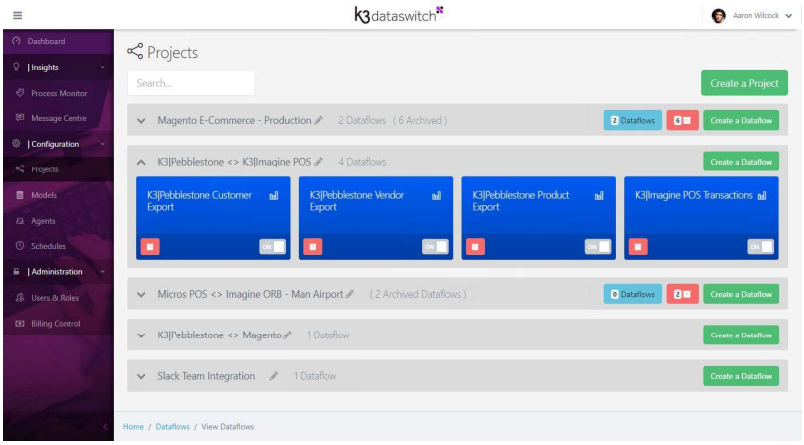
A key challenge with any system integration is communication with the source system. Business logic dictates that data originates from a source, therefore having the ability to either receive source information on demand or querying that information on demand is critical to establishing the initial flow of information.

Projects

Provides a simple means of grouping your integrations. Simplifies support and management.

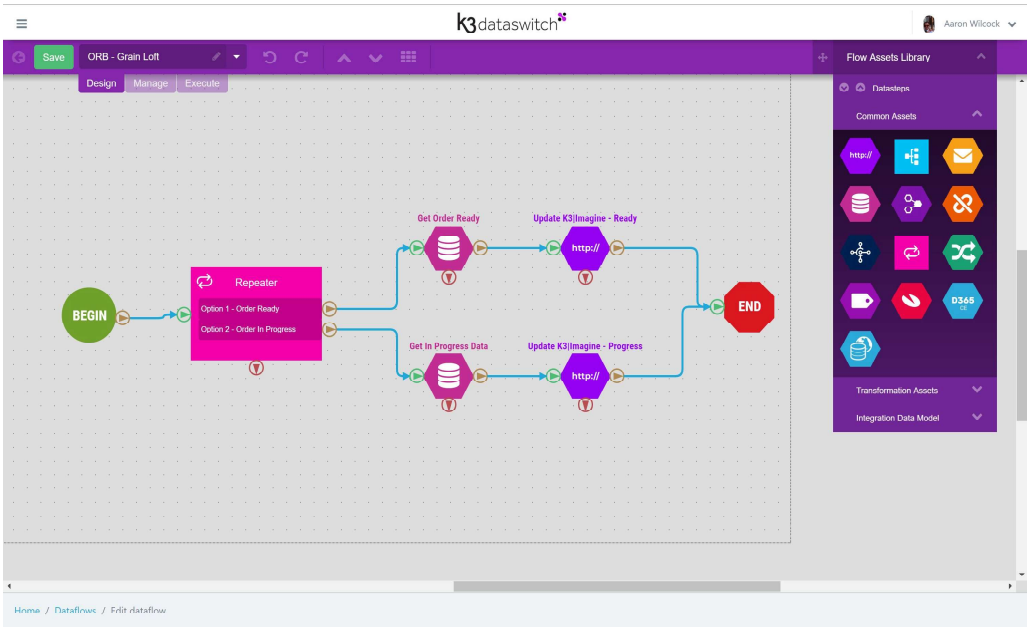
DataFlows

Managed through the concept of "Tiles", each DataFlow categorises an integration and provides a means of enable/disable or the copy of an entire flow including logic.



DataFlow Designer

"Design", "Manage" and manually "Execute" your integration DataFlows from within the DataFlow Designer window. Providing access to the integration asset library which is used to accomplish the majority of logic steps as part of any system integration. Each DataFlow has a "Begin" step which when created generates a unique API endpoint which third parties can use to execute the flow.



Power Assets

Power Assets are the advanced tools you need to connect, transform and manipulate data between systems.

The “API” Integration Asset within the platform is a reusable asset which can be configured to call and interact with both REST and SOAP endpoints.

The asset supports all your typical methods such as POST, GET, PUT, UPSERT etc. alongside secure authentication methods such as OATH typically used in todays connected eco-system.

The “MSSQL” Integration Asset is a flexible object which allows you to connect to and from one or more Microsoft SQL Server databases as part of your unique integration process.

Connect to cloud databases or local databases (via the Hybrid Enablement feature) from within your DataFlows.

The “SQL Anywhere” Integration Asset works in a similar way to the “MSSQL” object listed above but behind the scenes is specifically engineered for SAP SQL Anywhere (Formerly Sybase SQL).

These localised database engines are common place in retail Point of Sale solutions therefore this asset is the perfect solution for streamlined integration.

The “Split” asset is a unique code-less function which allows systems integrators to split XML payloads automatically, generating multiple unique flows of information within a single process.

Imagine a single payload containing several Sales Orders, you need to process these individually therefore Split is the perfect feature companion.

The “Output As” asset, similar to Split is a code-less function which allows the automatic conversion of XML into JSON or vice-versa.

System integrators need not worry above converting languages between systems with this powerful feature asset.

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Power Assets

Power Assets are the advanced tools you need to connect, transform and manipulate data between systems.

The “Send Email” Integration Asset enables email based notifications or attached messages to be sent as part of an integration.

Branch from an existing asset on success or failure and be alerted upfront, by design as your business dictates.

The “Repeater” Integration Asset is a code-less object which enable you to loop through your payloads for repeat processing.

Remove the headache of iterating through sections of data and process information between one or more systems faster and more accurately than before.

The “Conditional” Integration Asset is a code-less object which provides systems integrators the ability to apply rules to the data being processed.

Apply conditions to selected fields, constants and calculations within your input and decide what to do with the resulting payload easily and quickly within the asset. Conditions include all of your expected comparisons such as =, !=, >, < and many more.

The “Merge” Integration Asset enables you to combine inputs from multiple sources or result actions to generate a more complete payload for onward processing.

Choose the output type as part of the merge action to define the correct resulting payload of either JSON or XML.

The “Variable” Integration Asset enables you to store and define frequently used values that can then be called and re-used at different stages of the DataFlow.

Define variables in either JSON or XML in a simple and intuitive way.

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Business Assets

Business Assets are custom specific assets that have been designed to aid the integration approach to systems whose interface layer is not as straight forward as others.

Some systems and platforms don't make life easy for systems integrators, this is why we have Business Assets. We have created a series of functional assets that ease the journey and aid implementation time.

Take D365 CE (Formerly CRM) for example, ever waded through entities before or struggled to understand the relationship between an opportunity, account and contact and therefore how these need to be interacted with through the API? The D365 CE asset works with you to establish your CE integration quickly, and effectively.

Got a unique challenge? - Speak to our Integration Specialists today to discover how our extensible Cloud iPaaS platform can help you achieve results.

IDM Assets

"Integration Data Model" Assets are specifically available for use when the "Data Exchange Hub" is licensed and used. These assets allow you to interrogate and communicate with your configured data model within the platform.

(More details for IDM can be found on Page 8)

IDM "GET" enables you to retrieve data from one or more Integration Data Models as part of any DataFlow.

Use this asset to retrieve data either in part or in whole to either transform and pass onto another system or to base logical decisions upon from within in order to perform an action.

IDM "SAVE" enables you to store data within one or more Integration Data Models as part of any DataFlow.

This asset enables you to build logic which saves/updates data to an IDM which can then be used as part of one or more integration DataFlows.

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Cloud iPaas Platform
Feature Sheet

Transform Assets

Transform Assets are the tools you need to apply data transformations to different data structures that occur to and from multiple systems.

The "JavaScript" Transform Asset provides a powerful feature to enable system integrators the ability to apply whole sections of JavaScript (scripting language) to data payloads.

The asset makes full use of the latest JavaScript processing engines to manipulate and transform data between systems. The perfect companion for JSON data processing.

The "XML" Transform Asset enables system integrators to apply XSLT transformation templates to source XML based payloads.

Supporting XSLT 1.0, 2.0 and 3.0 style sheet languages you can make full use of this asset to manipulate your data.

The "X-Engine" Transform Asset is a powerful code-less mapping engine, supporting JSON payloads.

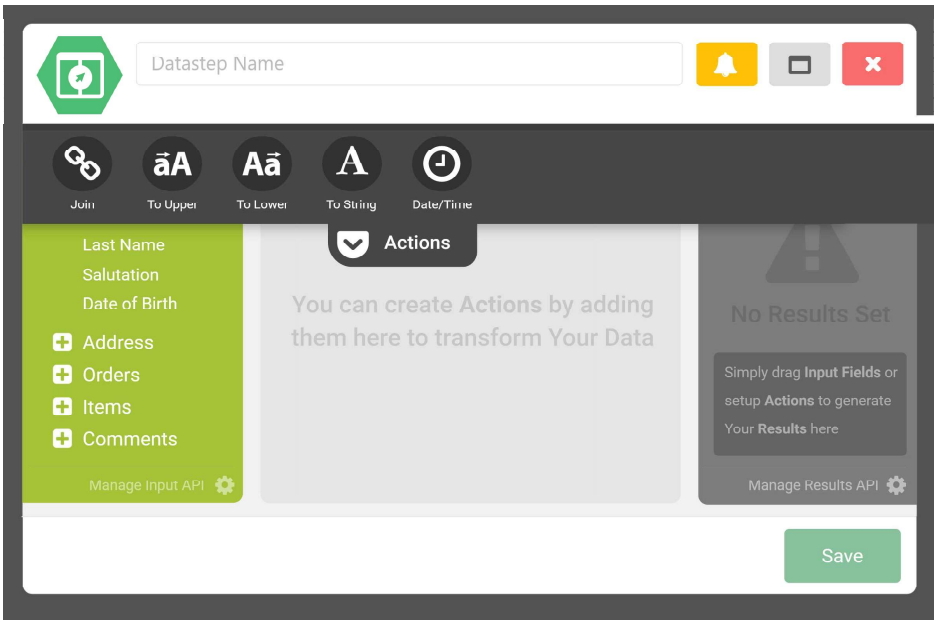
Build transformations between systems by creating change sets using advanced "Drag & Drop" functionality. Enhance these change sets by selecting rules to apply as part of any data transform.

Code-less Data Mapping

No code required...

Implement data transformations between systems with an intuitive drag and drop asset.

Deploy as part of your dataflows and accelerate delivery end-to-end.



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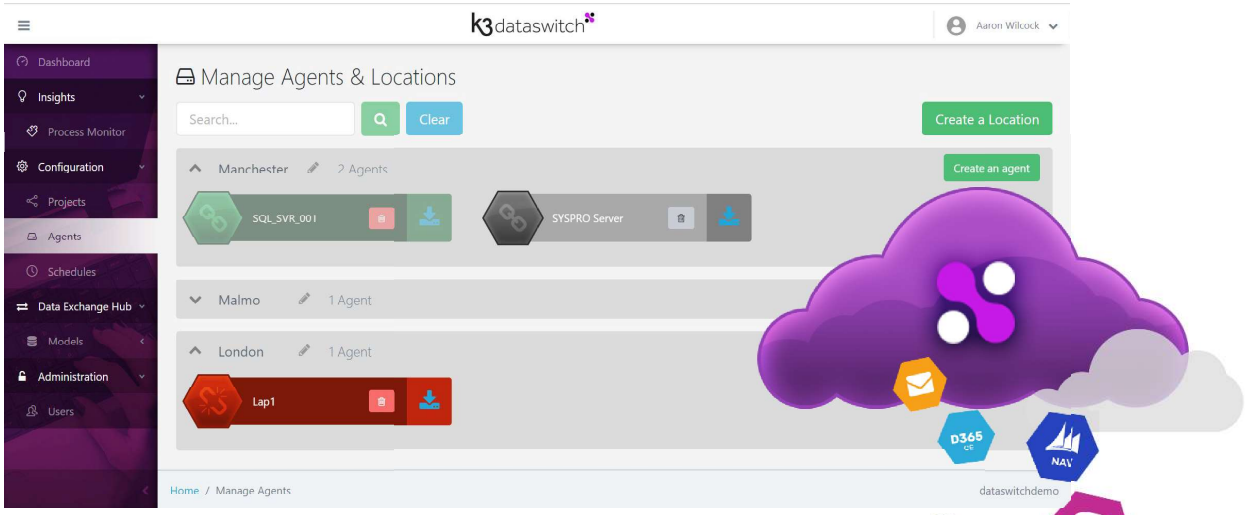
Hybrid Enablement

K3|dataswitch Cloud's Hybrid Enablement features enable you to deploy secure agents to On-Premise infrastructure such as servers and laptops in order to connect and integrate these assets into your DataFlows.



"Hybrid" integration is the process by which you connect Cloud and On-Premise systems and data together in a secure and efficient way.

This feature within the K3|dataswitch Cloud easily enables organisations to deploy and manage Hybrid Integrations across their entire landscape irrespective of geography.

The "Agents" are secure and require no perimeter network (external Firewall) configuration changes which means your IT security is not compromised through the addition of the agent deployment. Furthermore, the agents are designed to establish a connection using secure token and certificate based authentication.

Machine specific but not system specific, meaning you can deploy to a target asset such as a Windows Server and then integrate with multiple services on that machine such as databases or localised endpoints.

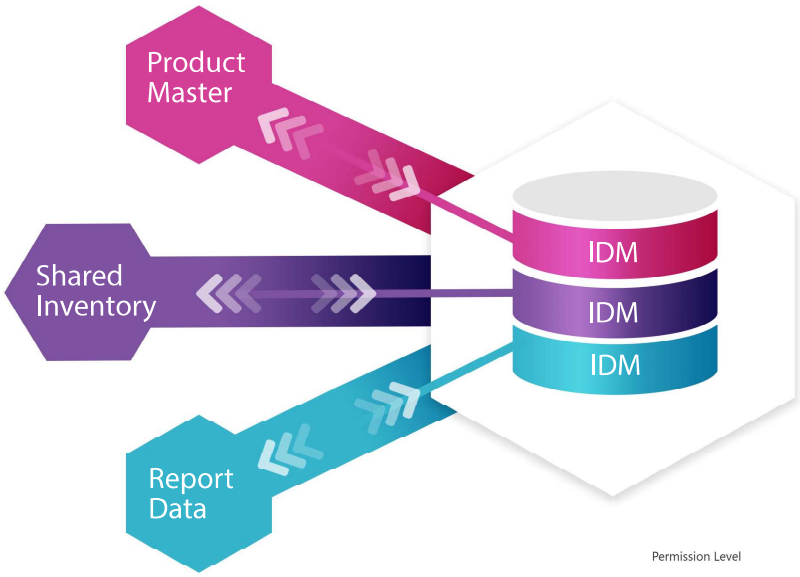
MORE INFO ON HYBRID ENABLEMENT? - CONTACT US TODAY

Data Exchange Hub

Integration Data Models - IDM's

Integration Data Models within the K3|dataswitch Cloud are stores or repositories of common data. This feature lets you hold and sync information between multiple systems without having to send or copy large data sets multiple times.

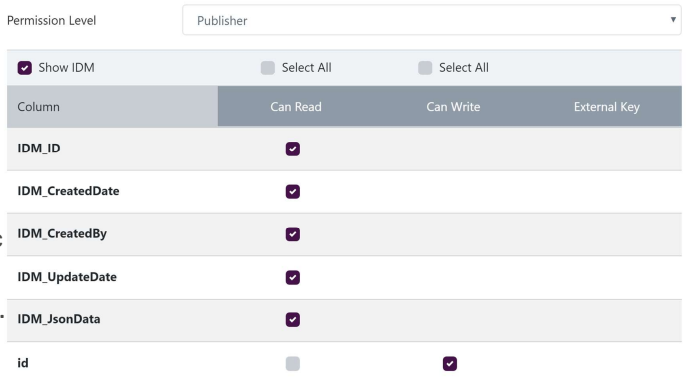
You have full control over the access and structure of the IDM's, which can be interacted with via your DataFlow configuration and the associated assets. Each IDM you create also supports Delta's which further reduces any data transmitted and drives performance efficiencies



- Insert, Update, Get
- Deltas (Changes)

Secure Access

Create "API" users within the platform and secure their permissions at the column level within specific IDM's enabling you to control what information within an IDM is available to the subscribing system.



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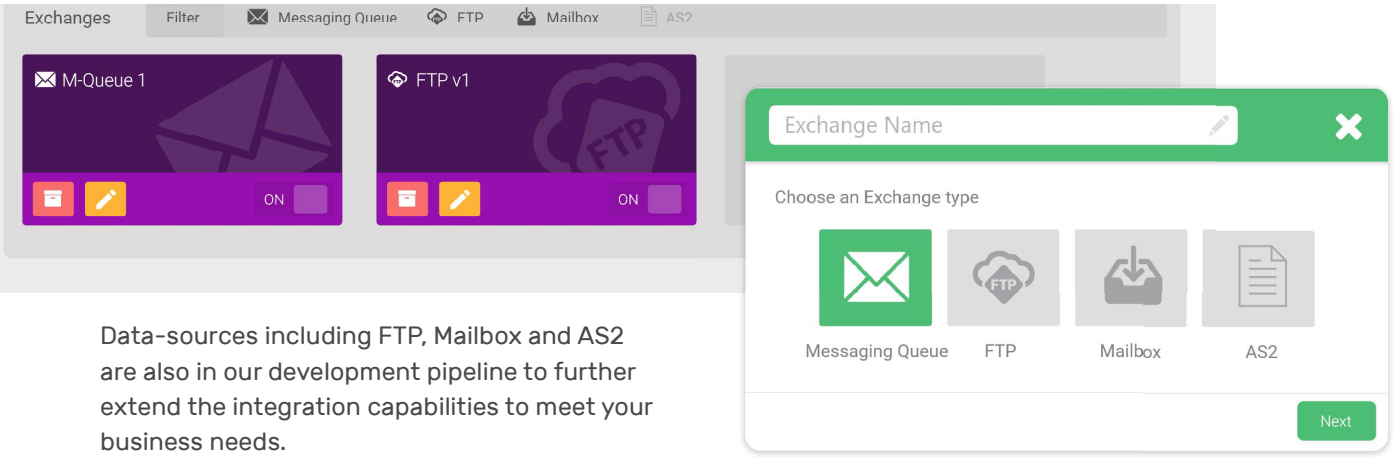
Data Exchange Hub

Event Centre - Message Exchange

Within the Event Centre you can setup and configure event topics or queues which can either be published or subscribed too. This feature enables the fast and enterprise scalable routing of message data between one or more systems as and when data is exchanged,

Route secure messages to and from subscribing entities or execute DataFlows upon receipt of a message entry, enable near real-time communications and gain insights into transactional entries as and when they occur.



Data-sources including FTP, Mailbox and AS2 are also in our development pipeline to further extend the integration capabilities to meet your business needs.

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