

Connecting Data by transcending Platform Borders

Exchange data between e.g. OpenText Documentum, SAP, Microsoft Office 365 (SPO) with the pluggable Exchange Hub

Are you tired of having to enter the same data, manually and multiple times, into different systems?

Are you having trouble with inconsistent data at different system locations?

Do you want easy collaboration with external partners without having to grant access to internal systems?

Collaboration with external Users

The Exchange Hub can handle all functionalities provided by each of the platform connectors. Platforms with the ability to manage file content can be connected to each other.

A common use case is to employ OpenText Documentum as the leading system for approved document versions. Such versions can be checked out so as to have the content of the file authored by a broader audience, such as external partners. To make such a collaboration with parties outside the company possible, the exchange hub can be used to automatically identify checked-out documents inside OpenText Documentum and propagate the necessary attributes and content of the document to Microsoft SharePoint. When the authoring process has been completed in Microsoft SharePoint, a trigger can be set off in the target system, e.g. by setting an attribute value, starting a Flow, or using a custom PowerApp; in other words, whatever can trigger the Exchange Hub by calling e.g. a RESTful service. After the Exchange Hub has received the trigger, the appropriate attributes and the file content are then propagated back to OpenText Documentum.

The big advantage of such a solution is that external partners do not need access to internal systems, network, etc.



Key Facts

- Powerful and flexible
- Extensible
- Robust
- Cloud-native design
- Microservices
- Available as Docker containers

Most Popular Use Cases

- Pulling value lists (e.g. vendor data) from SAP into OpenText Documentum or Microsoft SharePoint Online to avoid spelling errors in attribute values.
- Synchronization of attributes and file content from a system hosting approved documents (e.g. OpenText Documentum) into a collaboration platform (e.g. Microsoft SharePoint Online) for authoring purposes – granting the external users access neither to the internal systems nor the internal network.

Interacting with SAP

The Exchange Hub is able to propagate metadata either in a unidirectional or bidirectional way, as needed.

A typical use case is to pull vendor data from SAP into OpenText Documentum in order to provide value lists. Having these value lists readily available, users can then select from predefined values instead of keying in values manually, thus avoiding spelling mistakes and inconsistencies.

Another use case is to create parked receipts inside SAP, based on data that has been entered in Microsoft SharePoint. Using the Exchange Hub means that data does not need to be entered twice, which reduces human effort and proneness to errors.

Everything is connected

Our flexible and open design enables us to handle most use cases regarding a synchronization / propagation; even with our standard connectors for OpenText Documentum, SAP and Microsoft SharePoint Online. On top of that, the pluggable design allows us to extend the Exchange Hub easily with further platform connectors or other services handling all upcoming scenarios.

Technical Insights

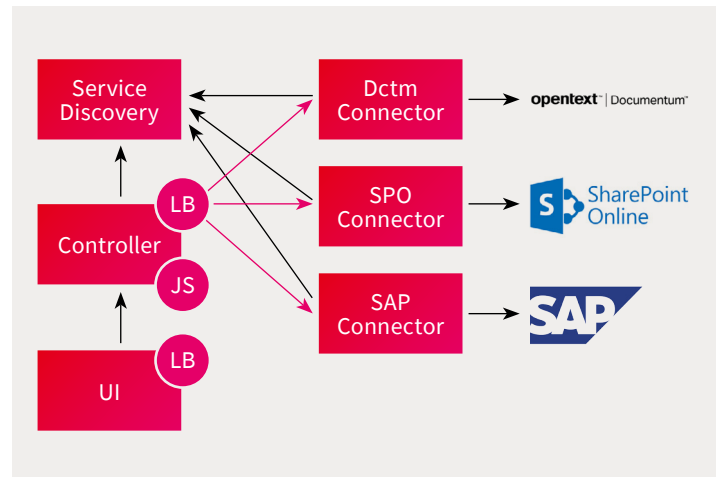
The **architecture** of the exchange hub is based on a cloud-native concept incorporating **Microservices** and a service discovery. In the illustration below, there are three platform connectors for communicating with **OpenText Documentum**, **Microsoft SharePoint Online (SPO)** and **SAP**. Each Microservice has a dedicated purpose and is specialized in communicating with one platform.

The **controller** is responsible for hosting and executing the exchange logic. Access to each platform is delegated to the platform connectors.

The exchange logic is defined in a **simplified JavaScript (JS)** notation. Using a simplified script language has certain benefits over a static XML, JSON or YAML file. In scripting languages, it is easy to insert an “if” condition, if necessary, to deal with unplanned exceptions, and no additional development effort is needed – as opposed to static formats.

Each Microservice is registered with a **services discovery** component. Each Microservice consuming another Microservice is able to locate the latter by an integrated **load balancer (LB)**. Hence, the Microservice can be distributed and scaled as needed, even after an initial deployment, in order to, e.g., match increased resource needs.

The **user interface (UI)** can be used to monitor the controller from an administrative perspective.



Due to the cloud-native design, the Exchange Hub is independent of the platforms accessed and can be hosted either on-premises or at cloud service providers like Amazon Web Services or Windows Azure.

Additional services can be easily integrated.

It is all about Communication

Technical exchange of data can be covered by our Exchange Hub.

Upon that note, please don't hesitate to contact us to share views, exchange experiences, discuss further scenarios ...