



Solution Overview

The BRISKEN Market Data Hub is an end-to-end market data governance solution, which provides a central repository for market data with a comprehensive set of data quality and auditing tools.

READY CONNECTIVITY TO PROVIDERS

Zero code connectivity for prime data providers like Bloomberg, Thomson Reuters, OANDA, Quandl, Central Banks and more.

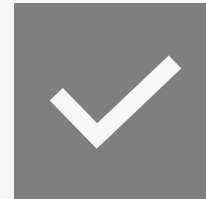
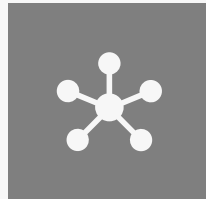


DATA AUDITING

Detailed view of all data history such as integration logs, source information, data updates and approvals.

MARKET DATA CENTRAL REPOSITORY

One central repository acting as the single source of truth for market data across the entire organization.

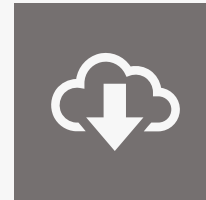
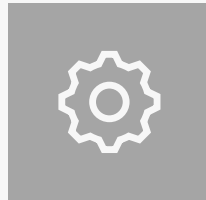


DATA QUALITY

Anomalies detection and cross source data validation with notifications.

FLEXIBLE DATA CLASSES

Manages any class of market data through flexible data classes and mapping rules.



TARGET SYSTEMS

Supports automated data integration to the whole suite of SAP products including SAP ECC and SAP S/4HANA.

Solution Map



The solution is deployed in a software-as-a-service model running on SAP Cloud Platform

market data providers

bloomberg	thomson reuters	oanda	quandl	central banks	other providers

market dataHub

categories settings	integration maps	market data repository	integration jobs	auditing & quality checks	analytics & alerts	odata apis

sap cloud platform services

hana	fiori portal	smart business	users & roles	secure credentials store

integration

push data > cloud connector > rfc and odata

s/4 hana	sap ecc

pull data > market data hub odata apis

successfactors	hybris	microsoft excel	other applications

SAP Cloud Platform & Market Data Hub



SAP HANA

Market Data HUB uses SAP HANA to store all its data, from settings to customer consolidated market data.



security

All the security is managed by the SAP Cloud platform, from identity management, user roles and secure credentials store for inbound and outbound connectivity. Learn more SAP Cloud Platform security at <https://www.sap.com/about/cloud-trust-center.html>



SAP Fiori

The solution front-end is built with SAPUI5 technology. The application is deployed to customers through a Fiori Portal and allows users to access the application from any device with a responsive interface.



analytics

Although Market Data Hub has its own analytics capabilities, the solution is seamlessly integrated to SAP analytical tools, such as Smart Business, SAP Analytics Cloud, etc.

sap cloud platform

Brisken Market Data Hub is as cloud solution that runs on top of SAP Cloud Platform.

SAP Cloud Platform is an enterprise platform-as-a-service with comprehensive application development services and capabilities. It provides services like data persistence, web site portals, mobile framework, analytics, security management and so on, all aligned with the best practices proposed by SAP and with native integration to standard SAP applications.

Data Availability

The system can bring to its market data repository and target systems, any kind of data delivered by the providers. It is made possible by the flexibility provided by the Market Data Hub, which supports flexible categories and data translation maps.

Although Market Data Hub can extract any kind of data from the providers, the data universe accessible is restricted to the agreement between customer and provider, this means that the customer must supply its credentials to get access to market data from the providers.

Bloomberg

Data License Per Security Service
Requires certificate



THOMSON REUTERS

DataScope Select
Requires user and password

 **OANDA**[®]

Exchange Rates API
Requires API key

Quandl

Quandl API
Requires API key

Providers Credentials Security

All credentials supplied by the customer to Market Data Hub are kept in a trust store provided by SAP Cloud Platform.

Keys, Users, Passwords

Are encrypted and stored in the **Secure Internal Credential Store** of SAP HANA.

Learn more:

<https://help.sap.com/viewer/b3ee5778bc2e4a089d3299b82ec762a7/2.0.00/en-US/282f9db1598d41aa81b49d871a5b0f51.html>.

Certificates

Must be uploaded by the customer during the provider destination configuration on SAP Cloud Platform cockpit.

Learn more :

<https://help.sap.com/viewer/65de2977205c403bbc107264b8eccf4b/Cloud/en-US/d3dfd5052fb14a15aad87ebcdb2f23e2.html>.



Market Data Hub

Application Security

Identity Management

To get access to the Market Data Hub Fiori Portal, the user must be authenticated by the identity provider.

SAP Cloud Platform uses the Security Assertion Markup Language (SAML) 2.0 protocol for authentication and single sign-on.

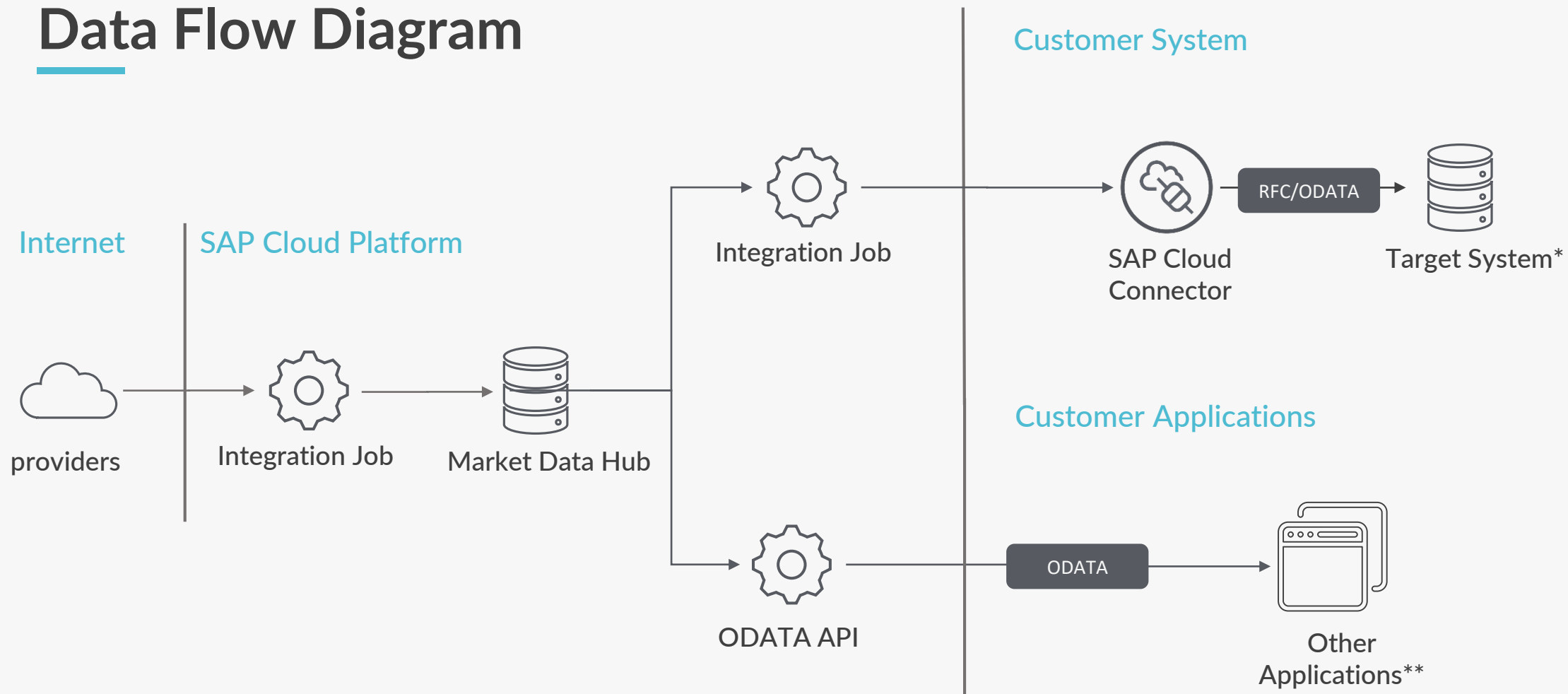
To go deeper on this subject please visit

<https://help.sap.com/viewer/65de2977205c403bbc107264b8eccf4b/Cloud/en-US/3996010faedc404e97d300f12e3bc988.html>

User Roles

Business functionalities are protected by roles. The manager can assign roles to users, and the user can access only the apps that are assigned to its roles.

Data Flow Diagram



Target System

Any ODATA or RFC enabled system, including SAP ECC and SAP S/4 HANA.

Other Applications

Any application that can consume ODATA services can consume data from Market Data Hub

Data Integration Details

SAP Cloud Connector

An agent that serves as a secure link between on-demand applications in SAP Cloud Platform and existing on-premise systems.

With cloud connector, the client does not need to open any ports on its corporate firewall to enable connectivity across on-premise and cloud landscapes.

<https://help.sap.com/viewer/65de2977205c403bbc107264b8eccf4b/Cloud/en-US/e6c7616abb5710148cfcf3e75d96d596.html>

ODATA Integration

ODATA integration is also supported by Market Data Hub. This type of integration could be used for solutions like SAP Hybris, SAP S/4HANA, SAP ECC or other solutions that supports ODATA.

For SAP ECC SAP Gateway must be properly configured.

RFC Integration

Data integration can be executed through calls to standard SAP BAPIs via RFC protocol.

SAP RFC enabled function modules, can be reached by SAP Cloud Platform through the destinations settings. On the destination settings the customer can define the authentication method, as well provide the required credentials.

<https://help.hana.ondemand.com/help/e4f1d97cbb571014a247d10f9f9a685d.html>

ODATA APIS

External systems can also get on demand data from the Market Data Hub repository.

To get the desired data, the application must access the OData APIs provided by the Market Data Hub.

These APIs are protected by the security protocols provided by SAP HANA and SAP Cloud Platform.

Certificates

[Brisken Market Data Hub SAP ICC Certificate](#)

[SAP Cloud Platform SOC1](#)

[SAP Cloud Platform SOC2](#)

[SAP Cloud Platform: ISO/IEC 22301:2012 \(Business Continuity Management System\)](#)

[SAP HANA Cloud Platform ISO/IEC 27001:2013 \(Information Security Management System\)](#)

More Resources

[SAP Trust Center](#)

[SAP Cloud Platform Security Help](#)

[SAP HANA Security Guide](#)