



Data Integration & Innovation

On the SAP BTP with Brisken **Market Data Hub (MDH)**

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brisken
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Driving Automation in Managing Foreign-Exchange Trading and Market Data Governance with Brisken OnePilot and SAP Solutions

Before: Challenges and Opportunities

- Risk management approach involving **a mix of various third-party systems and manual processes**
- Opportunity for development of “straight-through” processing capabilities for trade execution
- **Room for improved integration in market data management**, including data irregularities checks, ongoing process monitoring, and robust audit trails to ensure compliance standards are met

Why SAP

- **SAP Risk Management application for SAP S/4HANA** to automate and streamline foreign-exchange risk management processes, from exposure management to accounting
- **Brisken OnePilot, enabling a cloud-based framework** for the automation and integration of systems and processes, which was developed as a co-innovation with and certified by SAP
- **Brisken Market Data Hub and TraderPlus solutions**, powered by OnePilot, to provide the desired data governance, process automation, and control features

After: Value-Driven Results

- **Delivered a single source of truth for market data**, enabling the treasury team to spend less time on data validation and providing consistent market data across systems and processes
- **Introduced automation and straight-through processing** for foreign-exchange trade execution
- **Created compliant market data governance and trade automation processes** with an audit trail; data quality checks; segregation-of-duty and maker-checker features; and process monitoring with alerts
- **Reduced the risks and costs** associated with manual processes while improving operational efficiency
- **Future-proofed the trade automation and market data governance processes**, readying the company for constant change and meeting the need for agility to adjust to changed market and business realities





“Real-time data and improved operational efficiencies, combined with analytics, allows our Risk Management team to quickly respond to ever-changing market conditions, manage a growing portfolio, and **achieve our objective of minimizing the P&L impact due to foreign exchange**. All of this was accomplished without increasing headcount, which is quite a success.”

Joan Mizerk, Assistant Treasurer, Risk Management, Accenture

80% - Reduction in manual errors

90% - Increase in processing speed and data accuracy



S e a r c h E n g i n e C o m p a n y

Major search engine company utilizing Briskin Market Data Hub and Trader + platform to streamline processing of market data and FX rates.

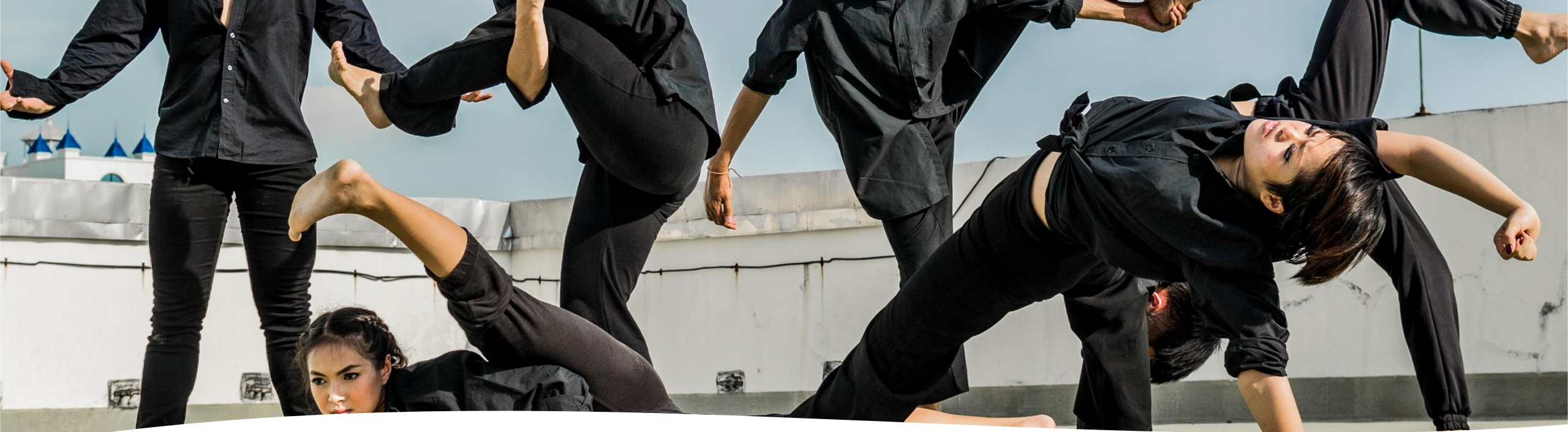
Before - Processing time took several days to a week

After - Processing now is complete in minutes/hours

Cloud Innovation

Market Data Hub

brisken 



ISSUES & PROBLEMS

Challenges of Data Management

Siloed Data

- Complexity of external and internal integration with sources and apps.
- Hard to share relevant data.
- Inconsistencies across departments.
- Silos getting out of sync.
- Waste of resources. Increased cost.
- Integrations often break down and produce errors

Poor Quality Data

- Lack of uniformity and standardization.
- Decisions based on bad data are risky and good strategies become worthless.
- Low transparency on data sourcing, processing and delivery.

Low Flexibility

- Inflexible solutions make it harder to better use the available data.
- Expensive adaptations to new regulatory requirements.
- Forcing change in current data partnerships
- Limiting options, diversity, and scalability

ANSWERS & OPPORTUNITIES

BRISKEN

MARKET DATA HUB



Single Source of Truth

By centralizing processes and data repositories, fragmented systems and data silos can be eliminated ensuring data consistency across all organization



Highly Flexible

The entire solution is completely configurable, including data ingestion, cleansing, derivation and distribution.

Simplify. Automate.

Monitor.



High Performance

Powered by SAP HANA, MDH was designed to support the most intensive processes plus providing high availability and scalability.

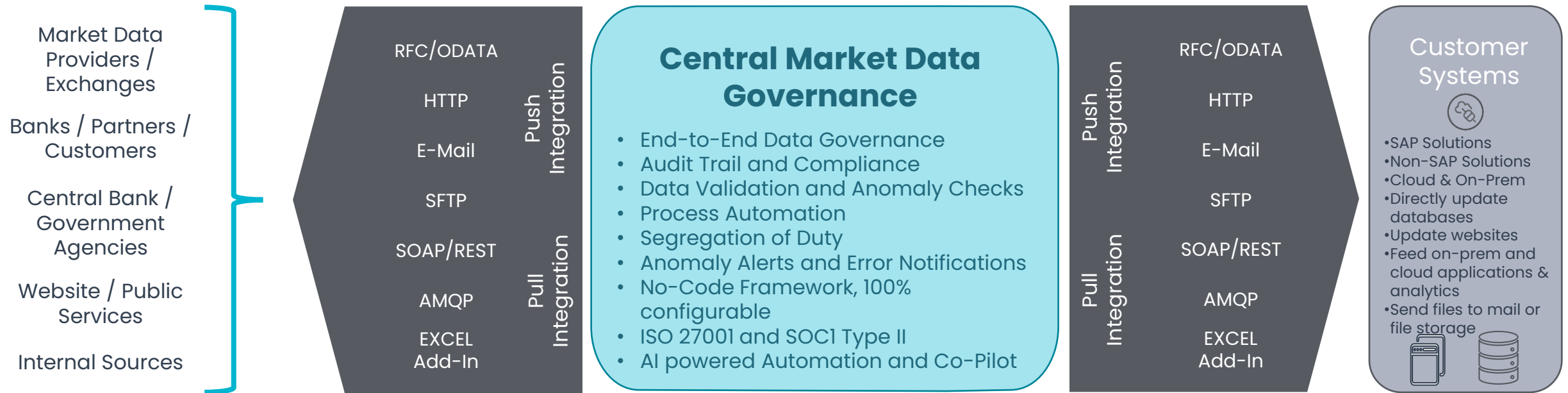


Single point of control and access for all your market data, simplifying management and reducing data silos.

- Identify Streamlines data access, ensures consistency across your organization and reduces your data cost.
- AI-Powered Transformation
- **Data Source Agnostic: End to End-to-end integration**
 - Seamless integration with any data source
- **End to End Governance**
 - A suite of features such as anomaly checks, schedulers, data quality assessment, accuracy monitoring, completeness checks, data cleansing, and timeliness validations.
- **Full Automation and Data Transformation**
 - Equipped with powerful tools for data reformatting and calculation.
- **Data System Agnostic: Flexible Data Distribution**
 - Supports various data distribution methods and protocols, allowing you to deliver data to any system, whether SAP or non-SAP.,

Functional Overview Diagram: **brisken** Market Data Hub

BRISKEN – Market Data Hub SAP Business Technology Platform

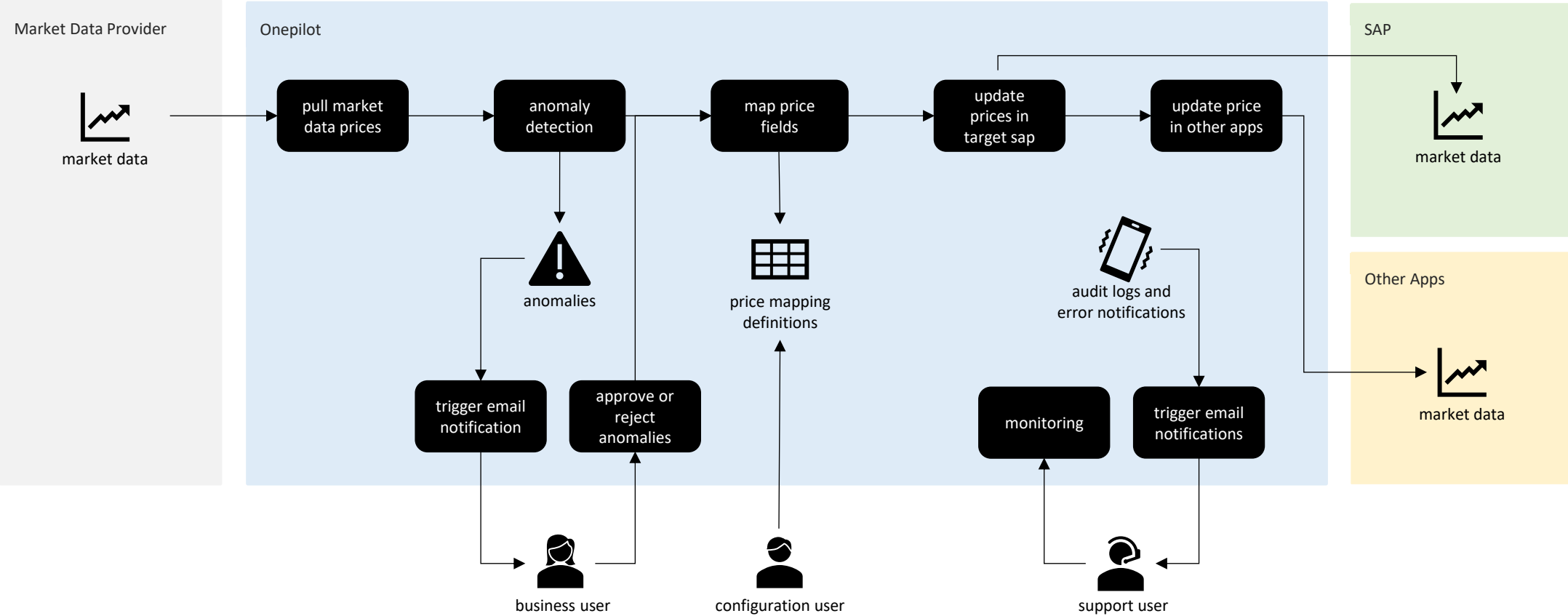


Co-Innovated with SAP®



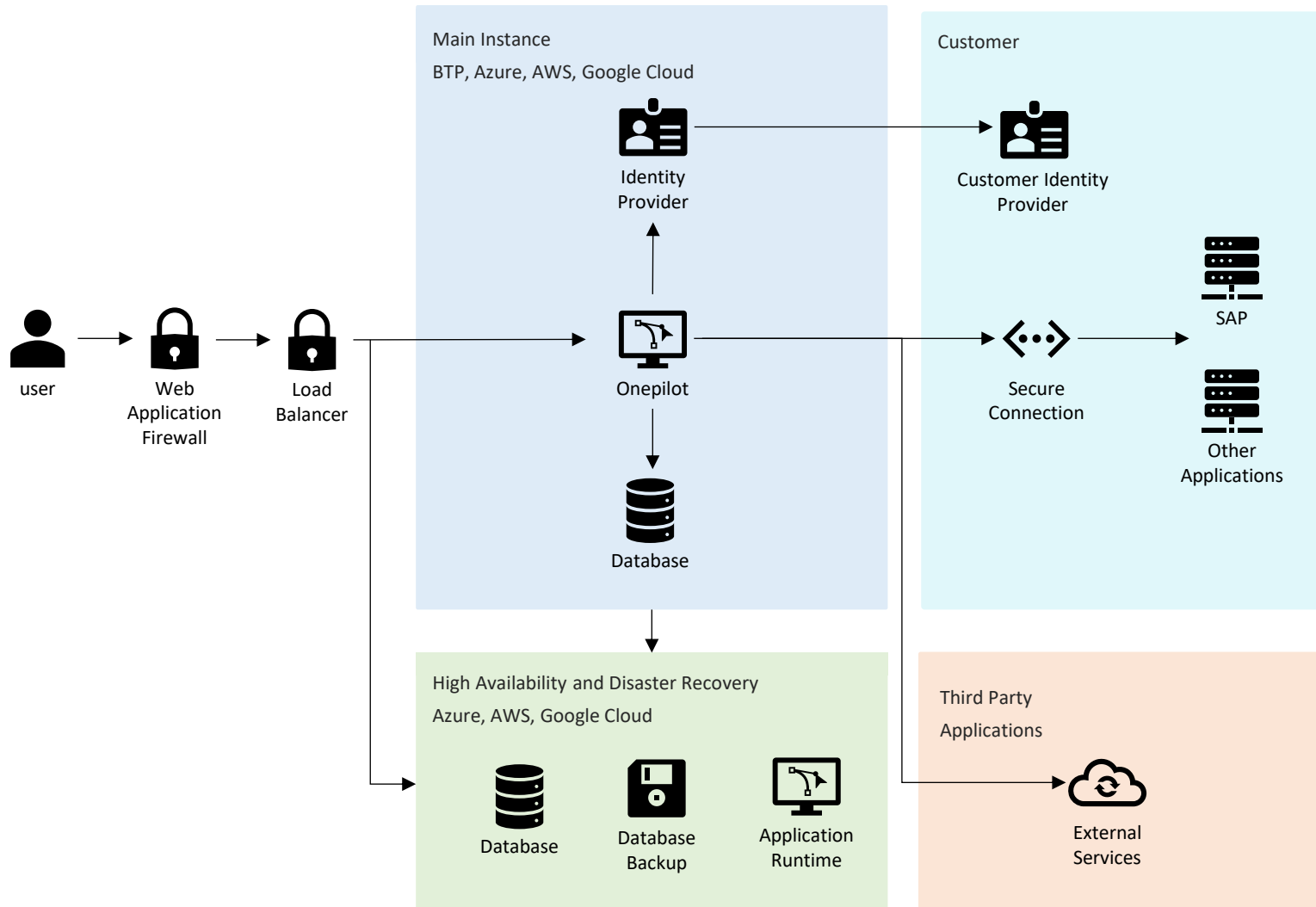
SAP® Certified
Built on SAP Business Technology Platform

Market Data Governance Process Context



The process context above primarily highlights the solution's features rather than the actual process, allowing adjustments to accommodate the customer's specific requirements during project implementation

Market Data Hub (MDH) - Technical Architecture



Main Instance

- Choice of hyperscaler and location
- HTTPS and TLS for secure communication
- Data encryption at rest using hyperscaler standard methods

Authentication and Authorization:

- Single Sign-On with customer authentication services

Secure Connection to Customer Applications

- Secure connection to customer applications using methods like SAP Cloud Connector and API Managers
- Support for REST, ODATA and SOAP APIs.
- Support HTTPS/SFTP communication protocols.

Third Party Applications Connection

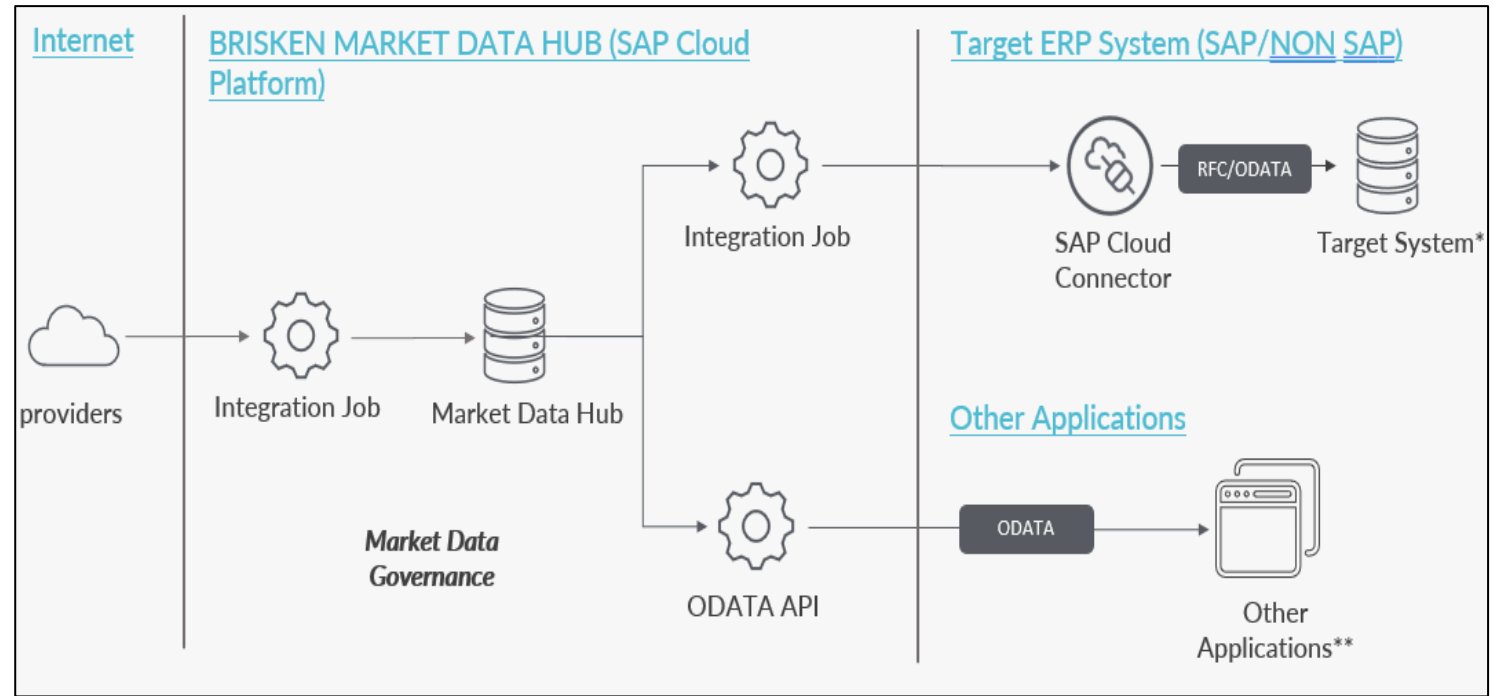
- Communication with third-party applications, such as market data providers and trading platforms, using service-provided protocols

High Availability and Disaster Recovery:

- Off-site redundancy for database and application runtime
- Multi-cloud database backup
- Failover load balancer

Out-of-the-box integration to SAP

Bring in data from any source such as Bloomberg, Reuters, OANDA, 360T, Central Banks, Government Agencies, websites, etc. Automatically distribute the data to any application in your system landscape, including SAP ECC and S/4HANA and non-SAP solutions - without any coding.



1 Flexible Configuration

With a workflow designer tool and data model builder, you can define your own integration process and data structures to meet your business requirements and support all kinds of external and internal (market) data.

2 Integration Monitoring

Get notified by email when your integration process fails and get a detailed log report to solve any integration issue as soon as it happens.

3 No Infrastructure Management

Running on **SAP Business Technology Platform (BTP)** the Market Data Hub is provided as a SaaS solution. The service can be up and running in no time, without any complex infrastructure deployment.



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