

# Real-Time Data Pipeline Automation

## Qlik Solutions for Microsoft Azure Databricks

### Introduction

Qlik Data Integration (formerly Attunity) for real-time data pipeline automation accelerates your machine learning (ML), artificial intelligence (AI), and DataOps initiatives using Change Data Capture (CDC) technology that ensures continuous data streams from multiple data sources to Azure Databricks.

### Azure Databricks

The Azure Databricks Platform makes it easier for enterprises to build data pipelines across siloed data storage systems with one platform that unifies data processing and machine learning (ML) initiatives that make artificial intelligence (AI) achievable. Using Azure Databricks, you can unlock insights from all your data and build artificial intelligence (AI) solutions; set up your Apache Spark™ environment in minutes; autoscale, and collaborate on shared projects in an interactive workspace.



### Qlik Replicate™

Qlik Replicate (formerly Attunity Replicate) automates continuous data movement from multiple data sources (Oracle, Microsoft SQL Server, SAP, mainframe and more) to Azure Databricks and Delta Lake with zero downtime. With Qlik Replicate, you avoid the heavy lifting of manually extracting data, transferring via API/script, chopping, staging, and importing.

Qlik Replicate is easy to setup, provides change data capture (CDC) so that you're always working with real-time data, check mechanisms for data integrity, monitoring, control and auditing for peace of mind, and secure data transfer with industry-standard SSL encryption.

### Qlik solutions for Azure Databricks help customers:



#### Operational efficiency and increased ROI

Automate streaming data pipelines for continuous integration and merging in Delta Lake



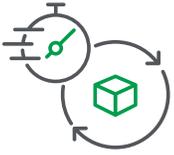
#### Real-time, continuous integration at scale

Make data seamlessly available, while providing continuous change data capture (CDC), delivery, and automated refinement



#### Analytics-ready and transactionally consistent data

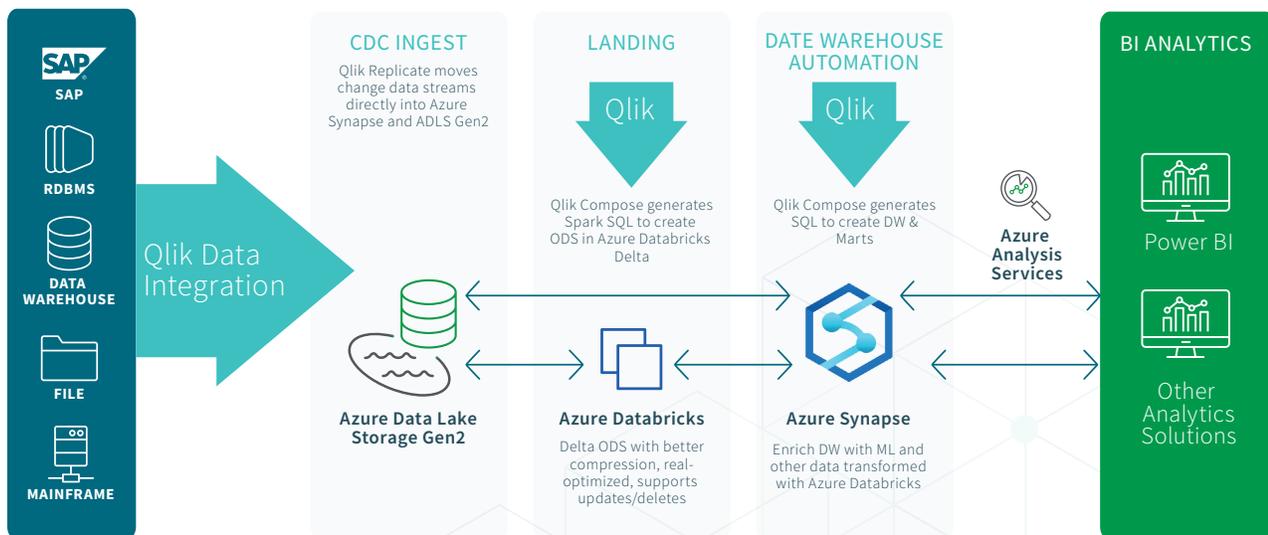
Create analytics ready data sets in Azure Databricks, in order to accelerate machine learning (ML), artificial intelligence (AI), and data science initiatives



## Qlik Compose™

Qlik Compose (formerly Attunity Compose) automates the data pipeline to create analytics-ready data in Azure Databricks and Delta Lake. All necessary transformation logic is generated and pushed down to Apache Spark™ for processing as data flows through the pipeline – from ingest, to schema generation, continuous updates, and provisioning data sets including Operational Data Stores (ODS) and Historical Data Stores (HDS) – with no manual coding.

## Azure Databricks - Modern Data Warehouse Pattern



Learn more at [www.qlik.com/us/products/technology/microsoft](http://www.qlik.com/us/products/technology/microsoft)



### About Qlik

Qlik's vision is a data-literate world, one where everyone can use data to improve decision-making and solve their most challenging problems. Only Qlik offers end-to-end, real-time data integration and analytics solutions that help organizations access and transform all their data into value. Qlik helps companies lead with data to see more deeply into customer behavior, reinvent business processes, discover new revenue streams, and balance risk and reward. Qlik does business in more than 100 countries and serves over 50,000 customers around the world.

[qlik.com](http://qlik.com)