

# IBM Data Gate for z/OS 3.2 and IBM Data Gate for watsonx 1.2

Synchronize mainframe data in watsonx.data with additional enhanced capabilities and unlock the power of data for analytics and AI

## Highlights

IBM Data Gate for watsonx 1.2

- Enhanced Connectivity and Security
- Certificate-based Authentication
- Performance and Scalability Improvements

IBM Data Gate for z/OS 3.2

In today's data-driven world, organizations are constantly seeking innovative solutions to harness the potential of their data. For an IBM Z customer, there is no data lakehouse without Z data. IBM Data Gate for z/OS 3.2 and IBM Data Gate for watsonx 1.2 are innovative offerings designed to address specific enterprise data needs, providing targeted end-to-end solutions for synchronizing IBM Z data to cloud for analytics and AI.

Since the launch of IBM Data Gate for watsonx, it has resonated greatly with the customers' needs. It has enabled our customers to seamlessly synchronize their mainframe data in watsonx.data, the only hybrid, open data lakehouse for enterprise AI and analytics. It has been delivering an ultra-efficient approach to use the latest Z data for analytics and AI workloads. IBM Data Gate for watsonx propagates mainframe data through an integrated, low latency, high throughput synchronization protocol. It synchronizes the major IBM Z data sources including Db2 for z/OS, VSAM, and IMS to an Iceberg open-source data table format for access by watsonx.data.

IBM Data Gate for watsonx 1.2 is a significant leap forward in our mission to improve hybrid cloud access and integrate IBM Z data with cutting-edge technologies under modern application design. It brings a host of new features and improvements designed to foster Z data and AI synergy. It introduces AWS Assume Role With Web Identity support, enabling secure writing of IBM Z data to AWS S3 buckets. It also expands the support to include writing IBM Z data to Azure Data Lake Storage Gen 2 Containers. It brings Certificate-based authentication for Db2 for z/OS source connections. It also provides improved performance and scalability to our customers.

IBM Data Gate for z/OS 3.2 is a core-service, providing IBM Z data, Db2 for z/OS, VSAM, and IMS to Data Gate for watsonx. It provides synchronized data from Db2 for z/OS to Db2 targets optimized on IBM Cloud Pak for Data. The high-speed access to the integrated data from Db2 for z/OS brings multiple benefits like improved hybrid cloud access, accelerated analytics and AI with reduced cost and effort. IBM Data Gate for z/OS 3.2 also includes the certificate-based authentication for Db2 for z/OS sources as an important feature.

# Capabilities

## ❑ Data Gate for watsonx 1.2

- **Enhanced Connectivity and Security:** IBM Data Gate for watsonx 1.2 introduces AWS Assume Role With Web Identity support, enabling secure writing of IBM Z data to AWS S3 buckets. This feature bolsters IBM's commitment to robust security and flexibility in cloud environments. IBM has also expanded its support to include writing IBM Z data to Azure Data Lake Storage Gen 2 Containers, catering to the diverse needs of our global clientele.
- **Certificate-based Authentication:** Certificate-based authentication for Db2 for z/OS source connections has been implemented with this launch. This enhancement fortifies data security and simplifies the authentication process, aligning with industry best practices.
- **Performance and Scalability Improvements:** Several improvements have been implemented with this launch to boost load performance and ensure efficient data handling under heavy workloads. These include:
  - Enhanced memory management for efficient iceberg data conversion, even under heavy workloads.
  - Caching of frequently used transaction management and iceberg data conversion functions for boosting object store write performance.

## ❑ IBM Data Gate for z/OS 3.2

- IBM Data Gate for z/OS 3.2 serves as a core service, facilitating the transfer of IBM Z data, Db2 for z/OS, VSAM, and IMS to Data Gate for watsonx. This product ensures synchronized data from Db2 for z/OS to Db2 targets optimized within IBM Cloud Pak for Data. The rapid access to the integrated Db2 for z/OS data offers several advantages, including enhanced hybrid cloud accessibility, expedited analytics and AI, and reduced costs and effort. A notable feature of IBM Data Gate for z/OS 3.2 is the implementation of certificate-based authentication for Db2 for z/OS sources.

### **Unlock the power of mainframe data**

IBM Data Gate for watsonx 1.2 and IBM Data Gate for z/OS 3.2 represents a substantial evolution in IBM's hybrid cloud strategy. By addressing customer needs, enhancing security, and optimizing performance, it paves the way for seamless Z data integration with watsonx.data. We invite you to explore these new features and look forward to your feedback as we continue to innovate and empower your data-driven journey.

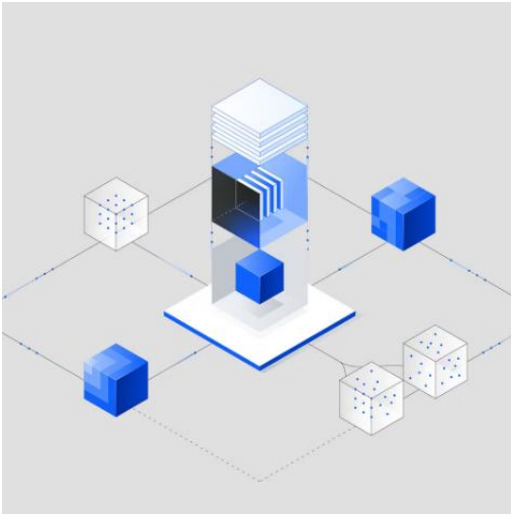


Figure 1. Ultra-efficient data synchronization of IBM Z data to the cloud



### **Why IBM?**

IBM is a leading global hybrid cloud and AI, and business services provider, helping clients in more than 175 countries capitalize on insights from their data, streamline business processes, reduce costs and gain the competitive edge in their industries. All of this is backed by IBM's legendary commitment to trust, transparency, responsibility, inclusivity, and service. For more information, visit [ibm.com](https://www.ibm.com)

### **For more information**

To learn more about IBM watsonx.data, please contact your IBM representative or IBM Business Partner, or visit <https://www.ibm.com/products/watsonx-data>

To learn more about IBM Data Gate for watsonx, please contact your IBM representative or IBM Business Partner, or visit <https://www.ibm.com/products/data-gate>

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