

IBM Data Virtualization Manager for z/OS

Modernize and simplify hybrid cloud and analytics application access to mainframe data



Highlights

- Unlock mainframe data value
- Address the increasing skills gap
- Combine data across data sources
- Mask architectural complexity

The development of hybrid cloud and AI based applications continues to be the focus of many IT organization's time. From the mainframe organization's perspective, the challenges continue to be an increasing skills gap, a need to unlock data value and combine data across various sources while masking underlying architectural complexity. Making mainframe data available to hybrid cloud, data lakehouse and AI based applications demands a consistent approach than can be readily understood, deployed, and managed.

Data Virtualization Manager for z/OS (DVM for z/OS), a mainframe resident technology, enables direct, real-time, secure, access to mainframe and non-mainframe data sources for modern hybrid cloud, analytics, and AI applications. It helps you unlock and simplify access to mainframe data by virtualizing disparate data sources and masking the sometimes-complex underlying architecture for read-write access. With DVM for z/OS, organizations can readily integrate and access mainframe and non-mainframe data within a single interface without the cost and complexity associated with moving, replicating, or transforming data.

Modernize your IBM Z applications. Facilitate access to relational and traditional non-relational mainframe data and other data sources. Build AI applications directly from your IBM Z data.

Simplify mainframe data access

Unlock mainframe data value

Readily access mainframe transactional data stored in IMS™, VSAM and other mainframe and non-mainframe data sources. This data is often some of the most valuable data an organization manages. It is essential for understanding the state of the business and offers the greatest predictive value for machine learning and AI models. This data is also essential to compelling, data-rich, modern hybrid-cloud applications.

Address the increasing skills gap

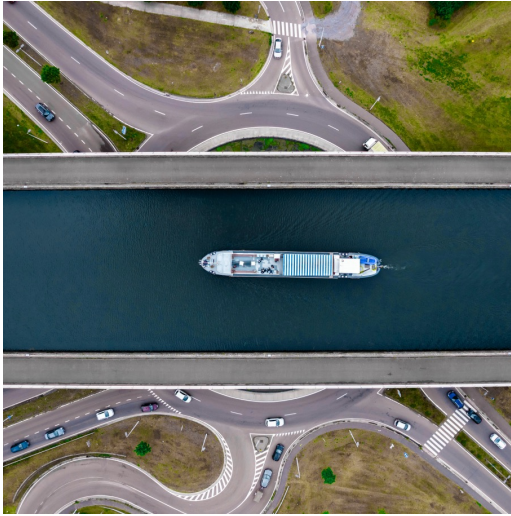
Accelerate and reduce the cost of developing modern applications that read and write mainframe traditional, non-relational data sources such as VSAM, IMS and others. Access data securely in place, when and where needed, and in the right format. Minimize the need for highly specific, data-store centric skills that are difficult to find and expensive to hire.

Combine data across multiple sources

Combine data across multiple mainframe and non-mainframe data sources in a single request. Many transactional data-stores are application specific, but today organizations need access across different data-stores for richer more compelling customer applications. Combine data and content on demand and integrate data from disparate sources in real time.

Mask architectural complexity

Virtualize disparate data sources for read-write access and mask the sometimes-complex underlying architecture of traditional, non-relational IBM Z data sources. Transform complex data structures into simple to understand tables accessible via industry standard APIs such as SQL, which is known and readily understood by many IT developers. Provide developers, analysts and managers ready, direct access to traditional mainframe data sources.



Simplify access to mainframe data for hybrid cloud, analytics, and AI initiatives

Conclusion

Data Virtualization Manager for z/OS

Provide virtual, integrated views of data residing on IBM Z to enable users and applications read/write access to IBM Z data in place, without having to move, replicate or transform the data.

Data virtualization enables data structures that were designed independently to be used together. And it performs these tasks with minimal additional processing costs. Traditional data movement approaches can negatively impact the opportunity to benefit from data where and when it is needed. By unlocking IBM Z data using popular, industry-standard APIs, Data Virtualization Manager for z/OS can save you time and money.

Why IBM?

IBM is trusted to manage companies' most mission-critical data and applications. Our experience of innovation in enterprise data solutions includes market-leading database solutions and enterprise-ready AI. We enable our clients to run solutions in any cloud or on-premises environment and believe that our clients' data solely belongs to them.

For more information

To learn more about Data Virtualization Manager for z/OS, contact your IBM representative or IBM Business Partner, or visit [Data Virtualization Manager for z/OS](#).

© Copyright IBM Corporation 2024
IBM Corporation
New Orchard Road
Armonk, NY 10504

Produced in the
United States of America
Feb 2024

IBM, the IBM logo, and IBM® IMS™ are trademarks or registered trademarks of International Business Machines Corporation, in the United States and/or other countries. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on ibm.com/trademark.

This document is current as of the initial date of publication and may be changed by IBM at any time. Not all offerings are available in every country in which IBM operates.

THE INFORMATION IN THIS DOCUMENT IS PROVIDED "AS IS" WITHOUT ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING WITHOUT ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND ANY WARRANTY OR CONDITION OF NON-INFRINGEMENT.

IBM products are warranted according to the terms and conditions of the agreements under which they are provided.

