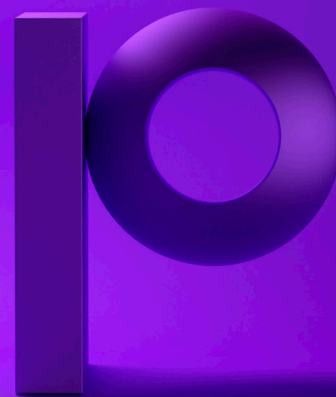# Mainframe Data Access and Integration

Liberate Your Mainframe Data for use in modern cloud platforms with Precisely's Data Integration Solutions

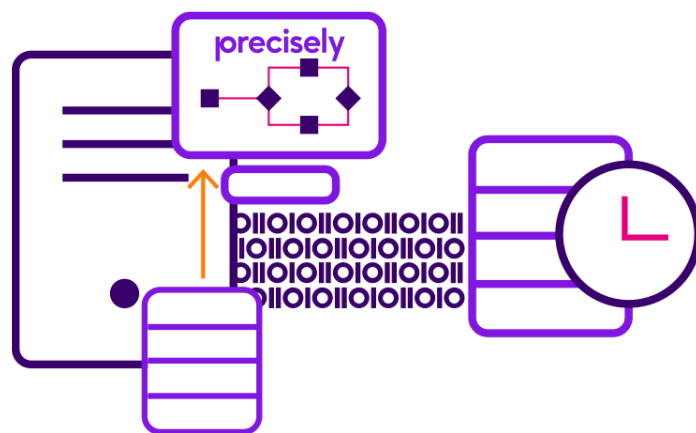## Mainframe Data in the Cloud Age

Bigger Insights & Better Return on Modernization Investments

Mainframe systems are the foundational underpinning of the global economy today. While many analysts have espoused the end of the mainframe era over the last several decades, the mainframe and IBM System Z still power core business functions for the largest enterprises and most vital institutions on earth. Examples of these core processes include banking operations, financial transactions, investments, insurance policies, fraud detection, government benefits and services, inventory management, payroll, point of sale, logistics, supply chain management, and customer account information, to name a few. There is simply no other system today that can provide the type of reliability, scalability, resilience, serviceability, and security the mainframe provides.

At the same time, organizations that rely on the mainframe are building cloud data repositories, data lakes, data warehouses, and other infrastructure to drive analytics. The effectiveness of these key analytic projects will determine which organizations rise to the top in the age of Cloud and AI. For years, many organizations have avoided integrating their mainframe data into these cloud environments. While the reasons for this vary based on organization and industry, we can distill these different reasons down to a single explanation: mainframe data is difficult to work with.

This dichotomy results in many organizations taking the path of least resistance, often building new analytic applications based on mobile data, call center data, web traffic data — everything except for the mainframe. While these data sources provide information on peripheral services, they do not incorporate the core business functions that reside on the mainframe. Without the ability to analyze these core functions, organizations are leaving their single biggest opportunity for new insight and new revenue behind.

Precisely has helped modernize and access the z/OS Platform for years, continually reinventing itself to provide value at different stages of the technology journey. When the world first embraced Open Systems and Linux/Unix/Windows environments, Precisely provided Data Integration solutions to replicate data and migrate applications running on z/OS to these "new" platforms. The rise of BigData provided another

opportunity to reinvent this access — allowing real-time links between complex Hadoop-based environments and data residing on System Z. In the age of cloud, Precisely continues to provide this same value, with reliable, real-time, Data Integration solutions designed to integrate with all major cloud providers, cloud databases, and key technologies like Confluent Kafka, Snowflake, Databricks, and BigQuery.

Precisely has been making mainframe data more useful to organizations since 1968, and today Precisely can help organizations unlock their deepest potential and take full advantage of this transformative set of data in the age of cloud.

Reliable and Economical Storage

Historically, mainframe Direct-Access Storage Devices (DASD) have been very expensive, leading companies to store massive amounts of data on tape. However, data stored on tape is not easily accessible. By moving mainframe data from tape to modern cloud platforms, companies have a cost effective way to meet data retention requirements and make that data available for advanced analytics.

> "The world's largest organizations use Precisely's capabilities to replicate mainframe data, to their cloud platforms — integrating this mission-critical enterprise data with the rest of their business delivers unprecedented insight and competitive advantage."

Precisely Bridges the Gap Between Legacy and Next-Gen Platforms

Many organizations realize the benefits of bringing their mainframe data to their data lake; but, they face a number of challenges. These challenges include connectivity, data and file types, security, compliance, and overall expertise. Precisely combines cutting-edge technology and decades of experience with both mainframe and modern data platforms to offer the best solution for accessing and integrating mainframe data. No two organizations are exactly alike; Precisely will work with your organization to understand your unique problems and apply our expertise to help drive efficiencies and new sources of revenue.

Precisely Data Integration will help you:

- Build new revenue-driving applications by integrating data from your mainframe, IBM i, and other systems with modern cloud-based data platforms
- Extend the value of your mission-critical systems — everything from open systems databases to mainframe and IBM i
- Achieve faster time to value by having easy access to all your data so you can get projects done quicker, on time, and on budget
- Integrate complex data formats into projects — no coding or specialized skills required
- Democratize your data by making it accessible to more areas of the business
- Capture the metadata from the data flowing through your pipelines in the Data Integrity Suite's data catalog
- Future-proof your architecture so you can remain flexible in introducing new applications and use cases

Overcome skills gaps and drive efficiency with Precisely's Data Integrity Suite

- Bridge the gap between scarce mainframe and cloud skills with a modern, browser-based GUI
- Easily deploy data pipelines on premises or in the cloud with a load and go, containerized installation
- Design jobs once, and deploy them anywhere without any re-coding or tuning on-premises or in the cloud
- Quickly move thousands of tables - including whole database schemas - in real-time to drive new sources of revenue, customer engagement, and operational efficiency

Secure, govern and manage it all

- Catalog and store metadata for data governance
- Reuse metadata to quickly build new data pipelines
- Profile data to understand data quality issues
- Remediate data quality issues
- Observe how data changes over time and alert users of inconsistencies before they impact analysis

> "Precisely's software has been a powerful tool in our data lake strategy. We were able to ingest into over 800 tables from one source system ... with one press of the button. Its configuration based approach provides great flexibility from source to target."
>
> — Assistant Vice President, Enterprise Data Office at Fortune 100 Insurance Company