



Ensono Azure Data and AI Services for Mainframe

Maximize the value of your mainframe data



According to IBM, 80% of the world's corporate data resides or originates on mainframes. This data is extremely valuable for data mining, but it has proven to be a challenge using traditional data transformation methods. The key to maximizing the value of mainframe data is ingesting it into a cloud platform with access to modern, real-time AI/ML and analytics services. This approach enables mainframes to do what they do best while leveraging cloud technologies to deliver insights and improvements to the application portfolio.

Integrate Mainframe Data into Azure to Enable Innovation

Ensono's Azure Data and AI Services for Mainframe enables you to realize the total value of your mainframe data by transforming it in Azure and integrating it with the data from other applications. Once this data is available in the cloud, our expertise can assist in using cloud-native data and analytics tools to enable intelligent business solutions, enabling more innovation and creating greater business value.

Our team of experts will plan, install, configure, and manage the solution while creating policies to transparently redirect a copy of the mainframe data of your choice to the cloud. We will assist you in identifying applications and data platforms or building new ones using cloud-native technology.

Solution Overview

- Transform your mainframe data in the cloud - **reducing mainframe resource consumption and costs**
- Enable **intelligent reporting and predictive analytics** by improving data flow between systems of record and digital experience applications
- Joins disparate data sets for **real-time insights and automation**
- Leverage public cloud data solutions for **rapid deployment and scalability**
- Unlocks historical data to train your AI/ML models and **uncover new insights**
- **Improve speed and accuracy of decision making** by generating probabilistic outcomes leveraging ML
- Deliver an **improved digital experience** by using data to drive improvements and a more contextualized experience
- **Reduce risk** by backing up mainframe data in the cloud – enabling additional recovery options

Industry Applications

Insurance

Leverage decades of historical data to feed AI&ML models to predict risk and customer behavior

Banking

Use mainframe transactional data to feed fraud prevention models as well as improve KYC (know your customer) algorithms

Travel & Transportation

Cache mainframe data in the cloud to ensure look vs book transactions don't hit the mainframe, establishing optimal performance

Manufacturing

Offload mainframe data to cloud and edge computing to reduce latency and mainframe CPU consumption

35%

By 2025, 35% of mainframe storage capacity used for backup and archive will be deployed on the cloud to reduce costs and improve agility (Gartner)

53%

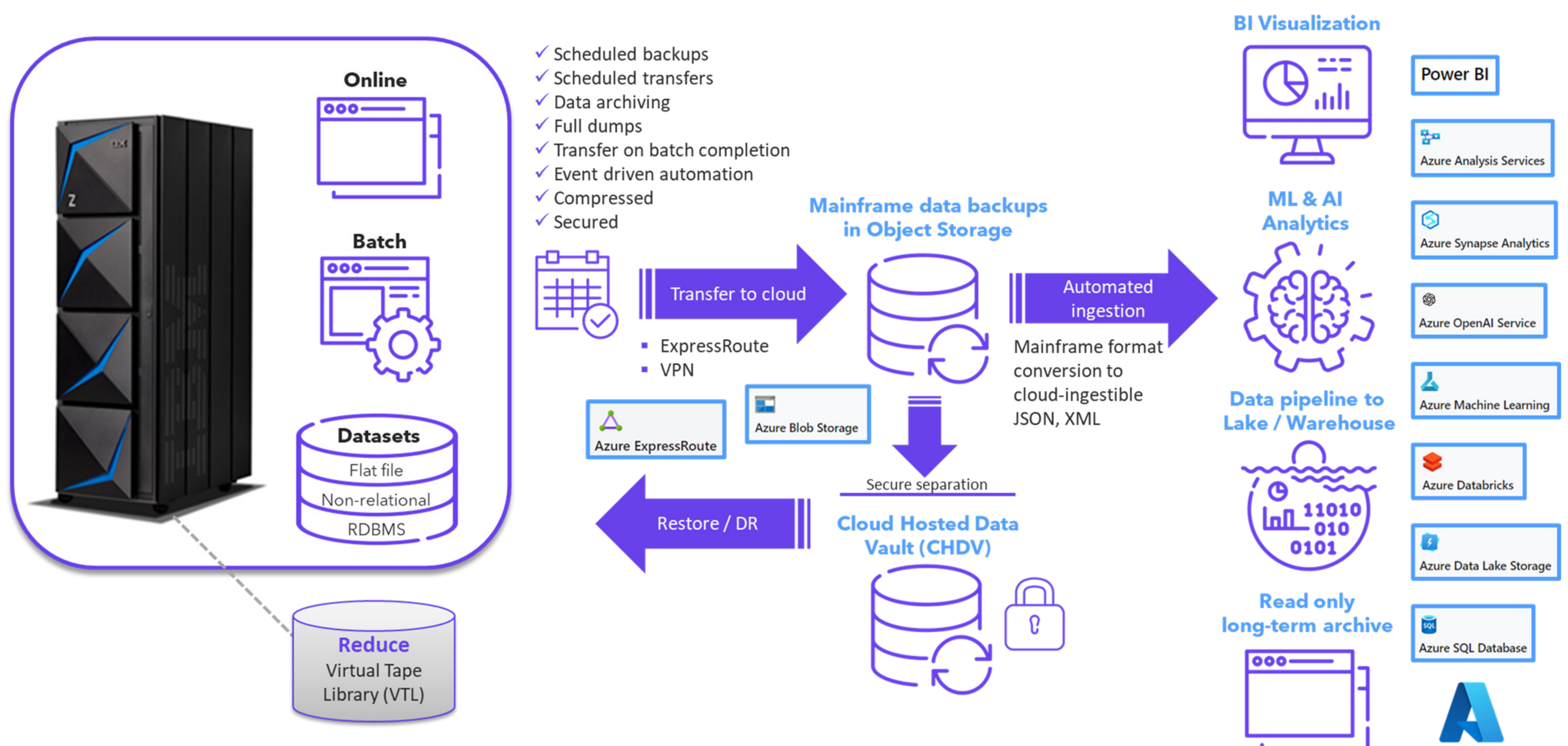
53% of technology buyers cite a lack of volume and quality of data as an AI/ML implementation challenge (IDC)

70%

of the executives plan to leverage the hybrid cloud to improve the integration and effectiveness of legacy systems. (IBM IBV Survey)

Unlock Mainframe Data for Innovation

- **Make data-driven decisions** – Feed data into services like PowerBI, Tableau, and Looker, giving users new ways to visualize and understand their data. This empowers business owners to quickly make data-driven decisions and share insights across applications.
- **Gain new insights from historical data** - Utilize machine learning techniques to gain insights with cloud-based AI/ML and analytics services. Cloud-native AI/ML tools will detect anomalies, enable predictive analytics, and correlate meaning from large volumes of data.
- **Use Azure to build new applications for end-users** – Build web and mobile applications to allow end-users new ways to interact with their data and give them the ability to see real time information versus data this is limited to daily batch runs.
- **Reduce mainframe infrastructure and storage costs** – Achieve cost savings by modernizing mainframe infrastructure and offloading data transformation to the cloud – all without any application changes.



Assessment

- Discover business objectives for analytics and intelligent automation
- Understand mainframe data structure and required datasets
- Design Azure Data Platform features required to support solution
- Create statement of work for solution enablement

Enablement

- Build Data and AI Platform
- Setup data replication solution
- Configure mainframe data extraction, compression and conversion
- Configure reporting, dashboards, data models, etc.

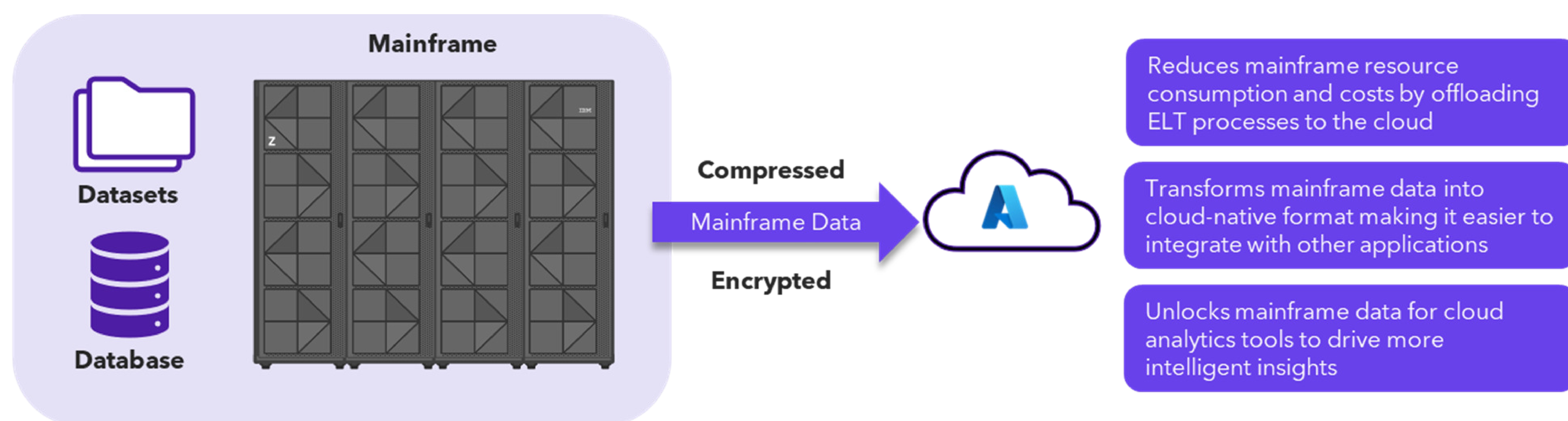
Operations

- Comprehensive managed services to operate and support both Mainframe and Azure environments
- Data replication, automation, platform monitoring and management
- Ongoing optimization to ensure that the platform is delivering to meet the needs of the business

Efficient Data Integration and Transformation

Accessing mainframe data from the cloud can be a slow and tedious process. Transferring mainframe data to the cloud and using it with cloud-based applications requires an Extract, Transform, and Load (ETL) integration process to transform the mainframe data into an open systems format. This process traditionally consumes significant mainframe processing capacity, and the sheer volume can limit the transformation to a subset of the data.

Ensono's Azure Data and AI Services for Mainframe can help you reduce a significant amount of the processing by moving the intense ETL functions from the mainframe to the cloud, dramatically reducing the need for expensive mainframe resources. This also helps remove any limit on the data that can be integrated into the cloud, allowing all the mainframe data to be available to other applications.



With Ensono Azure Data and AI Services for Mainframe, you can leverage your valuable mainframe data while you protect it, reducing risk while creating greater business value in new ways. Our solution is designed and built to enable our clients to make the most of their mainframe data, increasing innovation and competitiveness within their markets.

To learn more about Ensono's Azure Data and AI Services for Mainframe
Visit ensono.com/solutions/mainframe-modernization