

# Integrate with Open Source Technologies to Maximize Insights

## IBM OPEN DATA ANALYTICS FOR z/OS

### The Value of Your z/OS Keeps Getting Better

Your mainframe is the foundation of your infrastructure. It houses most of your enterprise's business data and applications, even if you have a distributed environment. Its high transaction rates, industry leading security, and reliability make it a significant value to your business. Adding to that value is the latest analytics capability for z/OS.

### Integration with Open Source Technology Simplifies Analytics

IBM Open Data Analytics for z/OS simplifies and accelerates data analysis. With the power of Apache® Spark™, it integrates key open source analytic technologies with optimized data access and abstraction services. Apache Spark is an open-source cluster computing framework with in-memory processing to speed analytic applications up to 100 times faster compared to other technologies.

IBM Open Data Analytics allows enterprises to experience open source run times and libraries as well as the ability to analyze business-critical z/OS data at its source. This reduces data movement and increases the value of insights produced from leveraging the most current data.

### Eliminate ETL, Get Answers Faster

Historically, the Extract Transfer Load (ETL) process has been used to move mainframe data for offsite analytics. In simple terms this means data from your mainframe is replicated and exported to a data warehouse where the analysis occurs. The ETL process results in additional time and money spent.

The IBM Open Data Analytics for z/OS with Apache Spark reduces or even eliminates the need for ETL. The key benefit is that mainframe's source data is used instead of replicated data. When replicated data is used, the data is already outdated. And each time data is moved, a security risk is created. With IBM Open Data Analytics for z/OS true, real-time data is used in the most secure environment.

### Leverage IBM Open Data Analytics for Business Results

**Access Data at its Source.** As data analysts face more pressure for faster results, the need for easy access to real-time, operational data is at an all-time high.

- IBM Z mainframes with IBM Open Data Analytics are designed to enable machine learning technology. No need for a new platform.
- IBM Open Data Analytics for z/OS offers an easy data-mapping tool for data analysts.
- IBM Open Data Analytics for z/OS integrates with the new tools of data scientists, such as Jupyter notebooks, Tableau and others.

**Cost Savings.** The IBM Open Data Analytics for z/OS eliminates the expense of a new platform, storage, and ETL.

- IBM Open Data Analytics for z/OS executes on existing specialty processors (zIIP), not Mainframe General Purpose processors. No need to purchase a new platform for analytics.
- Because operational data is accessed at its source, replicated data storage costs are eliminated.
- The expense of ETL tools, ETL processing and the manpower to manage the ETL are reduced or eliminated.



## Why IBM Open Data Analytics?

- Accelerate analytic processing with the power of Apache Spark.
- Cost savings by eliminating the ETL process.
- Access operational data at the source for more accurate results.
- Flexible and secure processing of diverse data types.
- Runs on z specialty processors



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To learn more about this offer or any other System Z solution, call us at 1.866.490.MAIN (6246).

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**Flexibility.** The ability to analyze diverse data types is a must-have in today's competitive world. The multitude of data types and sources has led to complex and timely processes. IBM Open Data Analytics for z/OS provides the flexibility needed to handle most mainframe types of data.

- IBM Open Data Analytics for z/OS masks the data type from the query, enabling the data scientists to perform comprehensive analysis at the source.
- By conducting the query at the data source, there is no need for a data lake.

**Security.** What's the cost of failed data security to your company? IBM Open Data Analytics for z/OS eliminates the risk created when data is replicated and moved.

- Each time data is replicated to another data source, the data is exposed to missing security rules and hacking.
- By keeping the data on the mainframe, the query leverages the mainframe data's original security specifications.
- The mainframe has rock-solid encryption, using security capabilities such as True Random Number generator for keys, encrypted paging, and tamper protection appliance with Secure Service Containers that protect the data, both at rest and in flight.

### When tackling your most urgent, highly visible IT initiatives, you need a partner you can count on to get it right.

As an IBM Platinum partner, Mainline has deep skills in IBM z Systems and IBM analytics technologies. We assist hundreds of customers nationwide with their IBM z Systems needs, enabling better business results.

Mainline helped an investment firm generate clients' statements 50% faster using IBM Business Analytics.

**Mainline is a proud winner of multiple IBM Beacon Awards for IBM z Systems and Business Analytics solutions.**

#### **IBM Beacon Award for Outstanding IBM Analytics Platform Solution offering:**

- Big Data Innovation Accelerator
- Machine learning analytics
- Predictive Analytics

#### **IBM Beacon Award for Open Innovation on zLinux Platform, LinuxONE, helping client to:**

- Enhance speed to market
- Faster response to market dynamics
- Reduce risk
- Streamline financial process

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