

## IBM zSYSTEMS

# Confluent on IBM zSystems: the Leading Event Streaming Solution for your Application Modernization Strategy

## Confluent on IBM zSystems helps you to modernize business-critical applications and data access to deliver superior digital user experiences, optimize performance, costs, and ease of integration

Digital transformation is all about leveraging technologies to improve and grow your business, and the adoption of hybrid applications & data modernization strategies has been fundamental to achieve your digital transformation goals. As stated in a recent [IBM Study](#), 71% of executives agree that mainframe-based applications are central to their business strategy to drive digital transformation. However, building a hybrid strategy that connects invaluable mainframe data to your on-prem and multicloud applications isn't trivial. Especially as [IBM zSystems](#) customers are looking for cost-effective solutions that can power their next generation of internal and external facing applications, many of which are real-time and mission critical. With Confluent on IBM zSystems, enterprises now have the capabilities they need to modernize their mainframe applications with a resilient data streaming platform.

## Access IBM zSystems applications in real-time with Confluent



### Drive real-time data pipelines with IBM zSystems data

Reduce reliance on batch processing on your IBM zSystems while capturing IBM zSystems data in real-time for fast analytics and business intelligence with minimal latency. Correlate with other data flowing through Confluent to drive the needs of the digital enterprise.



### Build modern, resilient streaming applications

Extend core applications on IBM zSystems with modern, distributed microservices by making the data readily available with Confluent. Accelerate development times and implement a modern event based architecture using IBM and Confluent together.



### Increase the ROI of your IBM zSystems investment

Change the economics of your mainframe by optimizing costs while also increasing the return on the data. Confluent on z/OS exploits the underlining processor cores that reduce processing costs and take advantage of data being accessible in the Confluent Connector. This solution increases the value of your mainframe as a critical piece of your hybrid data architecture.

*"Enterprises building real-time applications with IBM zSystems often leverage data events as a central part of their hybrid cloud strategy. Confluent on IBM zSystems offers a unique and compelling solution for data events in their hybrid data platform to empower those enterprises."*

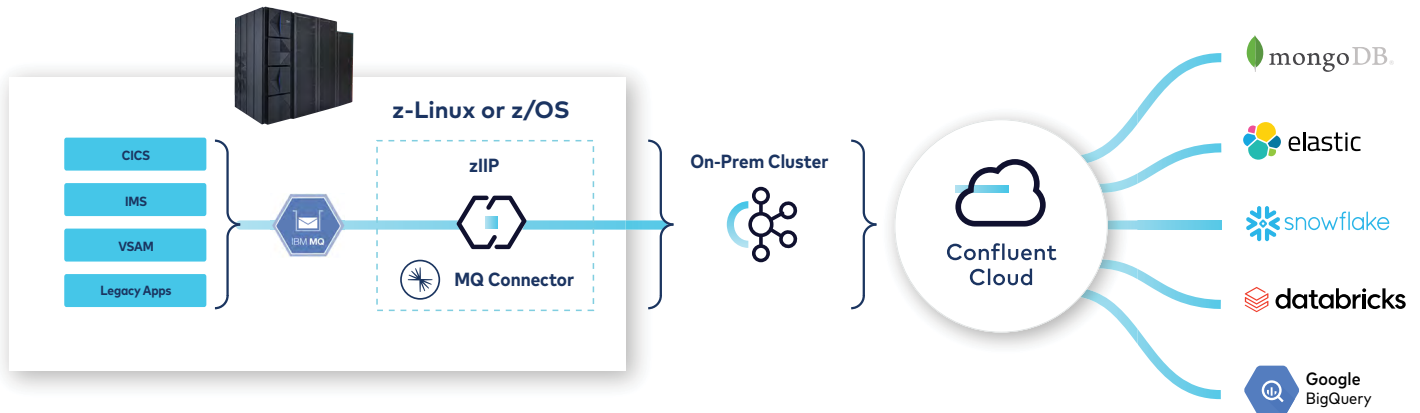
— KYLE CHARLET, CTO IBM ZSYSTEMS SOFTWARE, DISTINGUISHED ENGINEER

Together Confluent and IBM partner with leading enterprises



EXPRESS SCRIPTS®

# Unlocking IBM zSystems Data



- Publish to Kafka to improve data reliability, accessibility, and access to cloud services
- No changes to the existing mainframe applications
- Greatly **reduce MQ related CHINITs** to move data between the Mainframe and Cloud

## Confluent MQ Connector on zIIP/Advantages

### Technology Advantages

- Optimize messaging GP cycles
- Process thousands of batch jobs alongside the mainframe
- Optimize thousands of Db2 Table via Type 4 JDBC with cheaper cloud database
- Replay & reuse for different use cases and applications
- Utilize Kafka Exactly-once semantics
- Always Persistent and Delivery guarantees
- Ordering of messages preserved
- High throughput, low latency
- Schema Registry for Data Integrity

### Business Advantages

Helps with annual/monthly contract renewals, peak rolling averages, and capacitation

All JVM workloads and MQ Messages are eligible for zIIP processing

Helps to evaluate if other workloads are eligible to be optimized on the mainframe, like Db2

If a cloud application was to call DB2 running on the mainframe this would be a Type 4 call thus 90% of this work is eligible to move over to a zIIP

50% per message CPU Cycle reduction, by not driving traffic through Chinit, resulting in across the board MSU licensing reductions.

Connect and integrate a system of record, zSystems, with modern applications

Build new applications and solutions faster on trusted mainframe data streams

### Products Required:

- IBM z/OS v2.4
- IBM zIIP
- Confluent Platform—Connect on IBM Z
- Confluent Cloud (for hybrid deployments)

Get Started today at [confluent.io/partner/ibm/](https://confluent.io/partner/ibm/)