rvs-Systems zKafka Connector

Kafka Connector for your z/OS Applications.

Publishing your mainframe data…

IT requirements have picked up on the speed in which the world seems to change every day, hour, …

- Constant new feature requests to keep ahead of the competition.
- Agile Development and self-optimizing DevOps.
- Information to be accessible from anywhere at any time – and still be secured.
- Business information is extremely valuable, data is key.

…to your Kafka cluster in the open world.

Kafka has become one of the best known platforms for event-based processing and streaming of data. Its core capabilities read as a mainframe does: scalability, permanent storage and high availability, i.e. resilience.

Kafka client libraries allow to connect from almost anywhere and anything to it. There are no client libraries on z/OS though.

The mainframe is still running lots of important business processes and masses of business data reside on the mainframe. These build a legacy. In regards to Kafka, the mainframe is like that little gallic town… not easily accessible (no z/OS Kafka client libraries available).

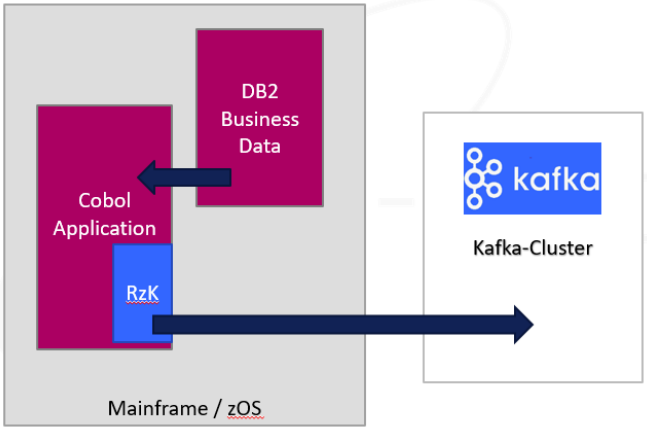
RzK – publish mainframe data to a Kafka cluster – simple and easy: the rvs-Systems zKafka Connector

RzK offers an easy way to publish and consume data from any z/OS application to and from a Kafka cluster. No further middleware is required, **the data goes straight out of the z/OS environment into an open world Kafka cluster** (using a TCP/IP connection).

RzK – Direct Kafka connection for all of your z/OS applications.

Features

- z/OS applications call the RzK using a simple list of parameters.
- RzK runs on many platforms.
- State-of-the-art security using SSL/TLS encryption and SASL authentication.
- No additional software / middleware required.



Benefits

- No Java, no OMVS calls.
- Less CPU usage, Less I/O compared to currently available Java based connectors.
- zIIP license.

Comfort

- RzK manages the connection to the cluster.
- In case of connection loss, RzK performs the error handling and recovery.
- Use direct calls out of any z/OS application without further components.
  (Cobol, PL/1, C … anything that can handle a language environment).

```
* Call RZK to produce a msg to a defined topic of the defined broker
*
    CALL "RZKPROD"   USING
      BY VALUE      RZK_HANDLE
      BY CONTENT  RZK_MSGKEY  BY VALUE  RZK_MSGKEY_L
      BY CONTENT  RZK_MSG     BY VALUE  RZK_MSG_L
      BY VALUE      RZK_CONV
      RETURNING   RZK_RC .
```

```
//COMPILE  EXEC PROC=IGYWCL,REGION=0M
...
//LKED.SYSIN DD DSNAME=HLQ.C.LOADLIB(RZK),
...
```

- Utilize the RzK message conversion from EBCDIC to UTF-8, or just send binary messages.
- Your application always has the accurate status of transfers to the cluster. All errors are reported.
- Different levels of debugging messages available for testing.

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