

Tungsten Replicator for Kafka - Real-time Data Loading from Oracle and MySQL into Apache Kafka



Topics

In today's webinar, we will discuss:

- Why Kafka?
- How replication into Kafka works
- So I can replicate into Kafka, now what?
- Future directions

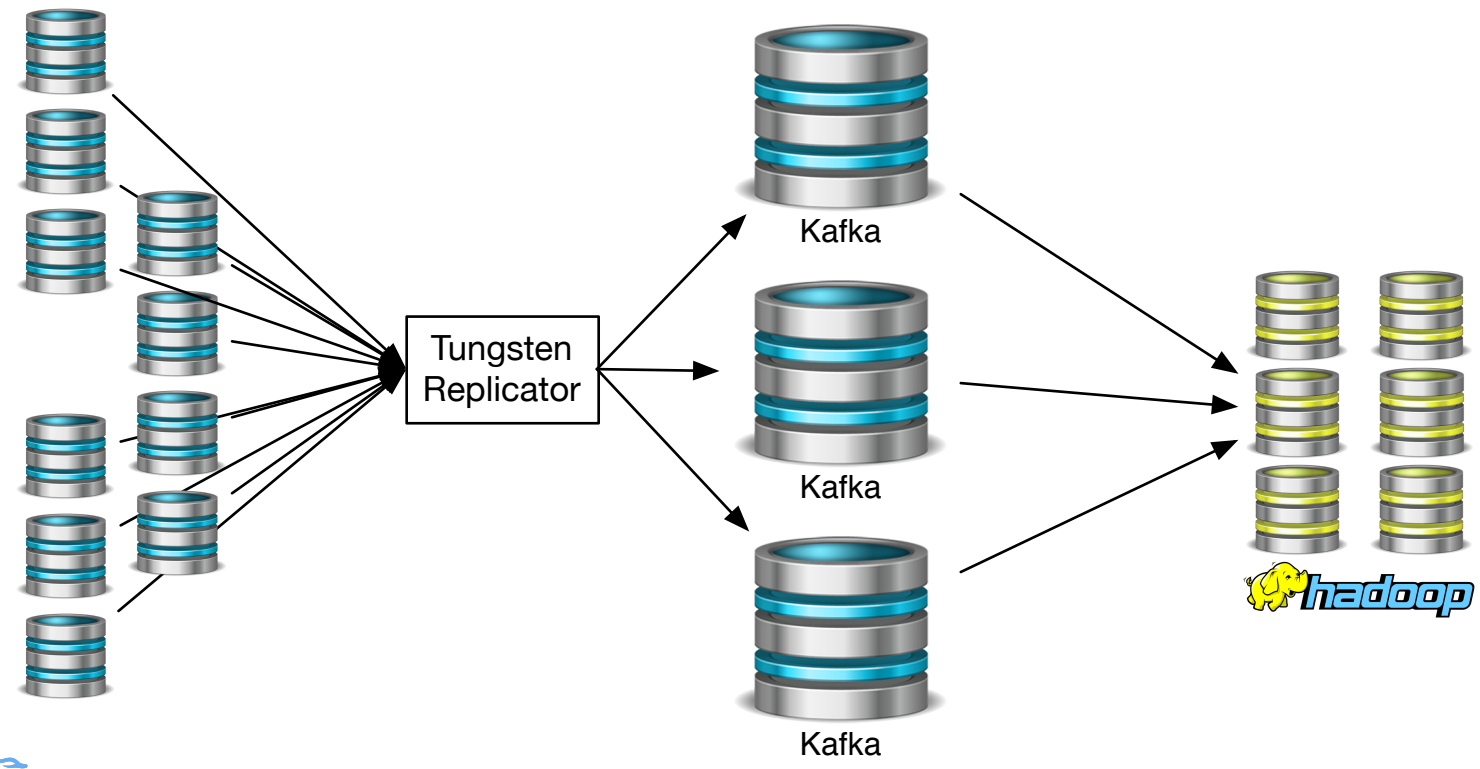


Why Kafka?

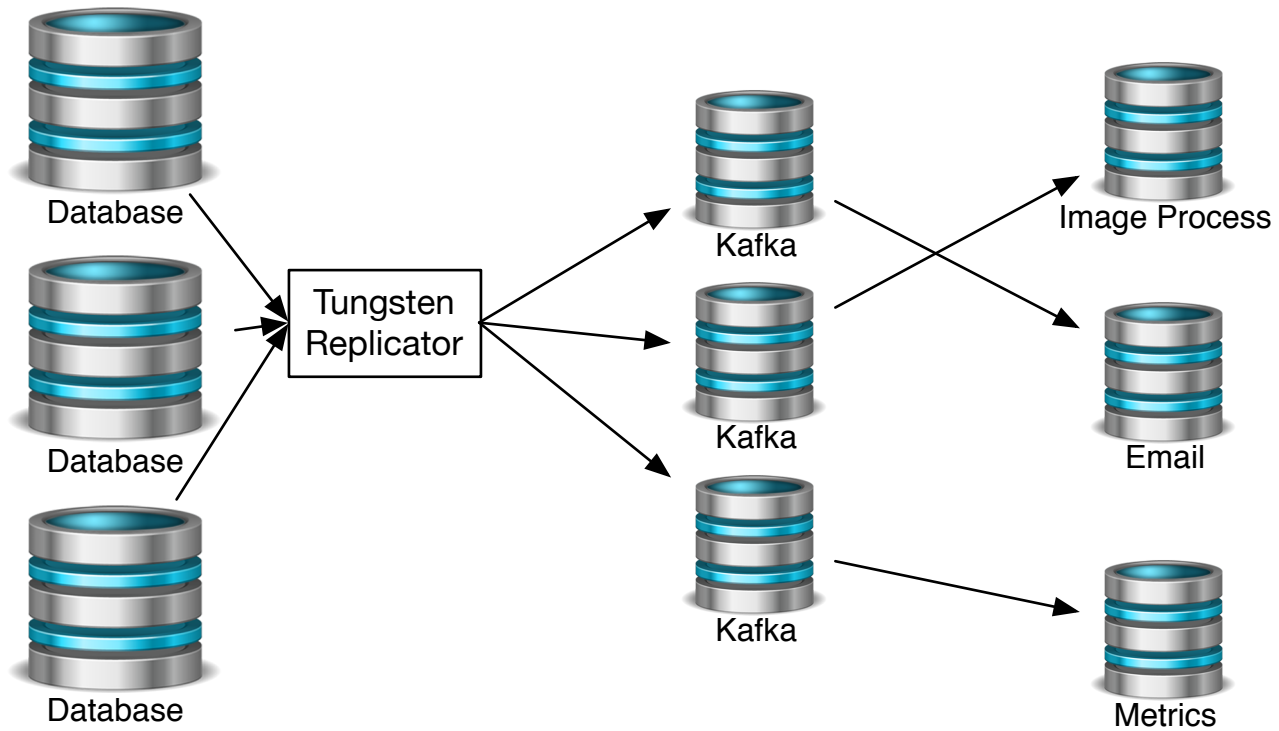
- Kafka is a high performance message bus
- NOT a database
- Great for distributing messages and firing/triggering operations on content
- Log aggregation
- Activity/security tracking
- Metrics
- Auditing
- Data ingestion for Hadoop



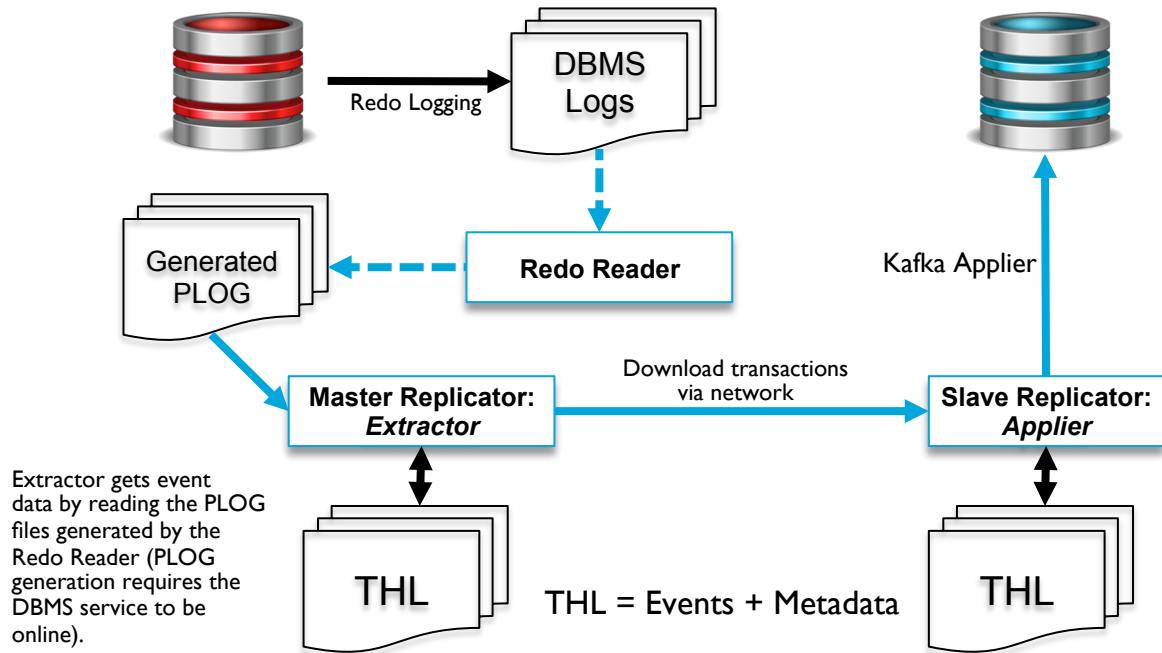
Mass Data Collection with Kafka



Multiple Target Distribution



How Replication Works

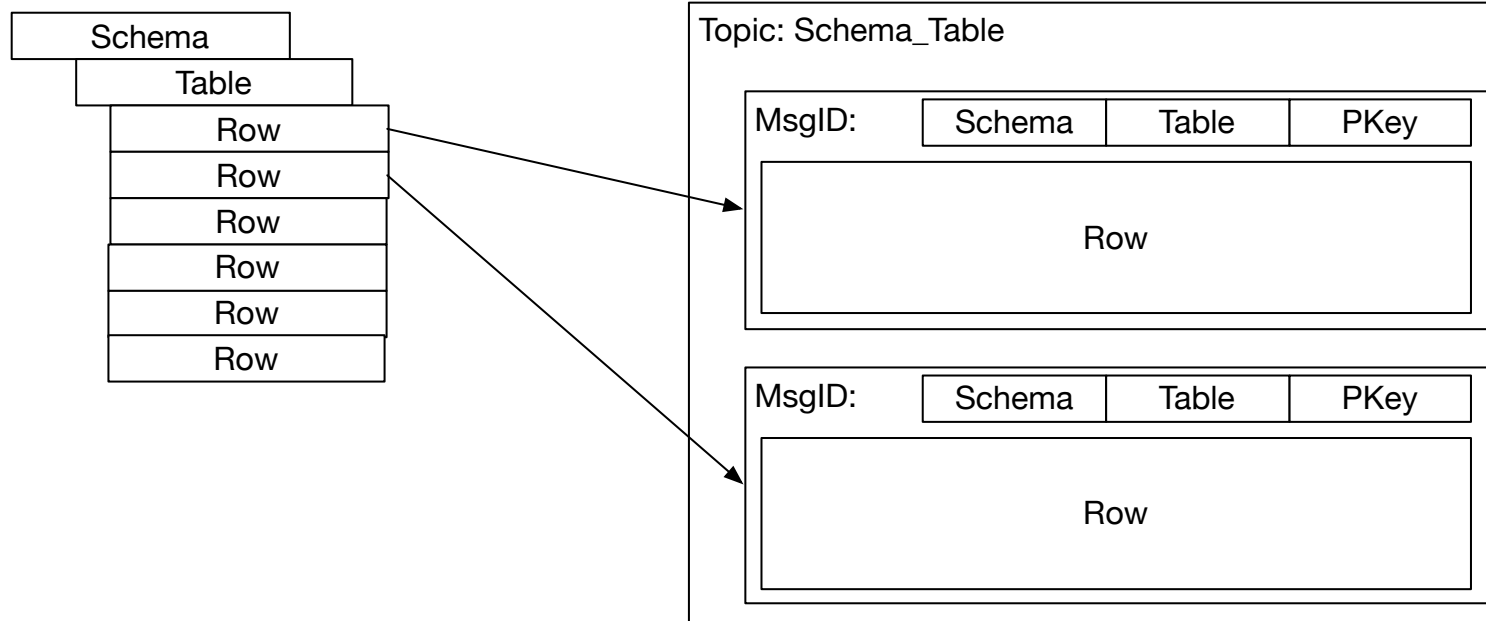


What Tungsten Replicator Does to Apply into Kafka

- Takes an incoming row and converts it to a message
- Message consists of metadata:
 - Schema name, table name
 - Sequence number
 - Commit timestamp
 - Operation Type
- Embedded Message Content



Message Structure



Customizable Elements

- Whether acknowledgements are required from Kafka
- How much distribution/replication is required before sending the message
- Format of the message key
- Whether to embed schema and table name
- Whether the commit timestamp should be embedded



Demo



Future Directions

- Full transaction support for Kafka
- New filters
 - Data obfuscation
 - Data modification
 - Row merging and basic extract augmentation
- Kafka Extraction
 - Parsing contents of Kafka message queues
 - Database updates
 - Large scale distribution of database changes
 - Filtering and re-submission



Next Steps

- If you are interested in knowing more about Tungsten Replicator and would like to try it out for yourself, please contact our sales team who will be able to take you through the details and setup a POC – sales@continuent.com
- Read the documentation at <http://docs.continuent.com/tungsten-replicator-5.2/index.html>
- Subscribe to our Tungsten University YouTube channel! <http://tinyurl.com/TungstenUni>



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