

**Tungsten Replicator for Redshift
Real-time Data Loading from Oracle and MySQL
into Amazon Redshift**



Topics

In today's webinar, we will discuss:

- Amazon Redshift use cases
- How replication into Redshift works
- Extra Redshift tricks
- Replicating into a single schema
- Future direction

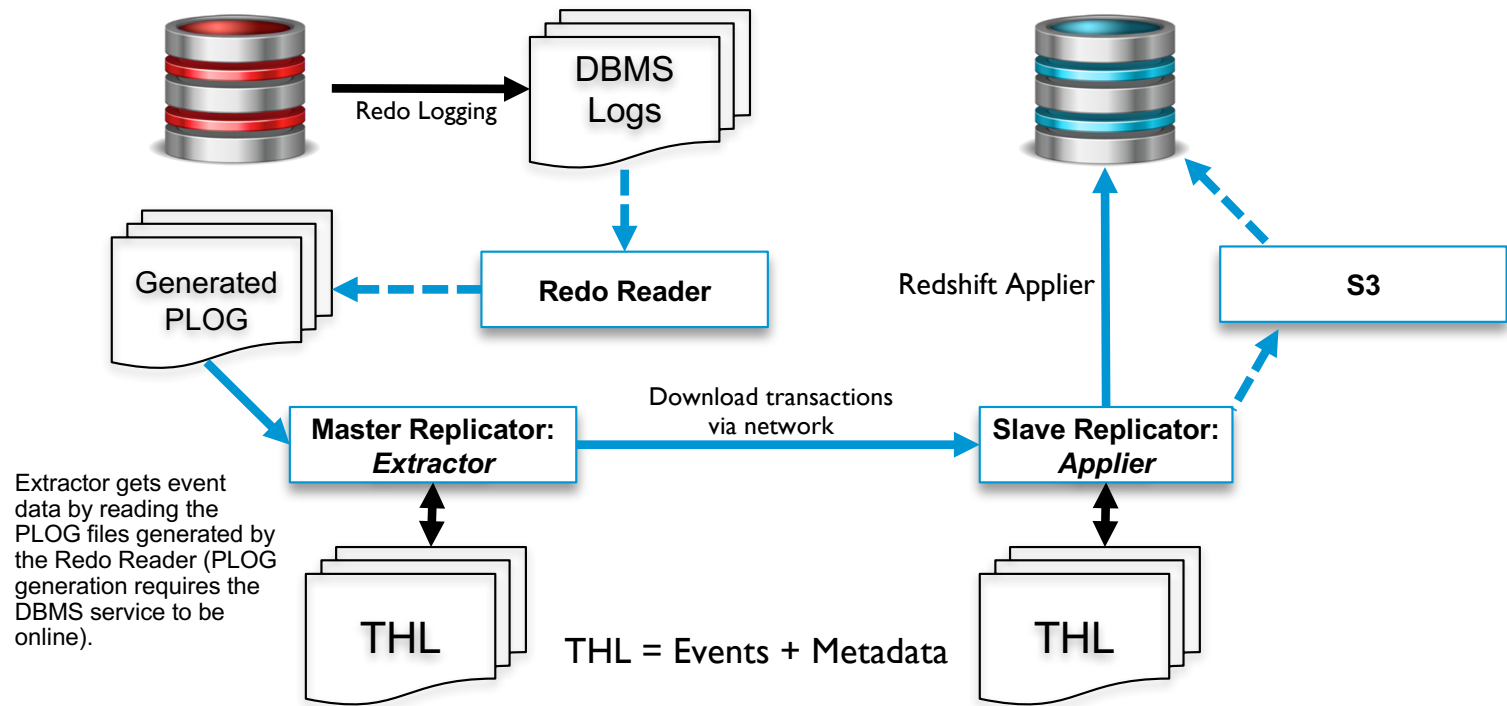


Why Amazon Redshift?

- High-performance, clustered analytics data warehouse
- Easy to fire up, expand, and shutdown
- PostgreSQL JDBC interface
- Easy to access
- Integrates with S3



How Replication Works



What Tungsten Replicator Does to Apply into Amazon Redshift

- Takes incoming rows and batches them into CSV
- Batches operate on a row count, or interval, or both
- The CSV is loaded into S3 using s3utils
- Redshift imports the CSV file into staging table
- A 'materialization' is performed that merges the existing data and staging info

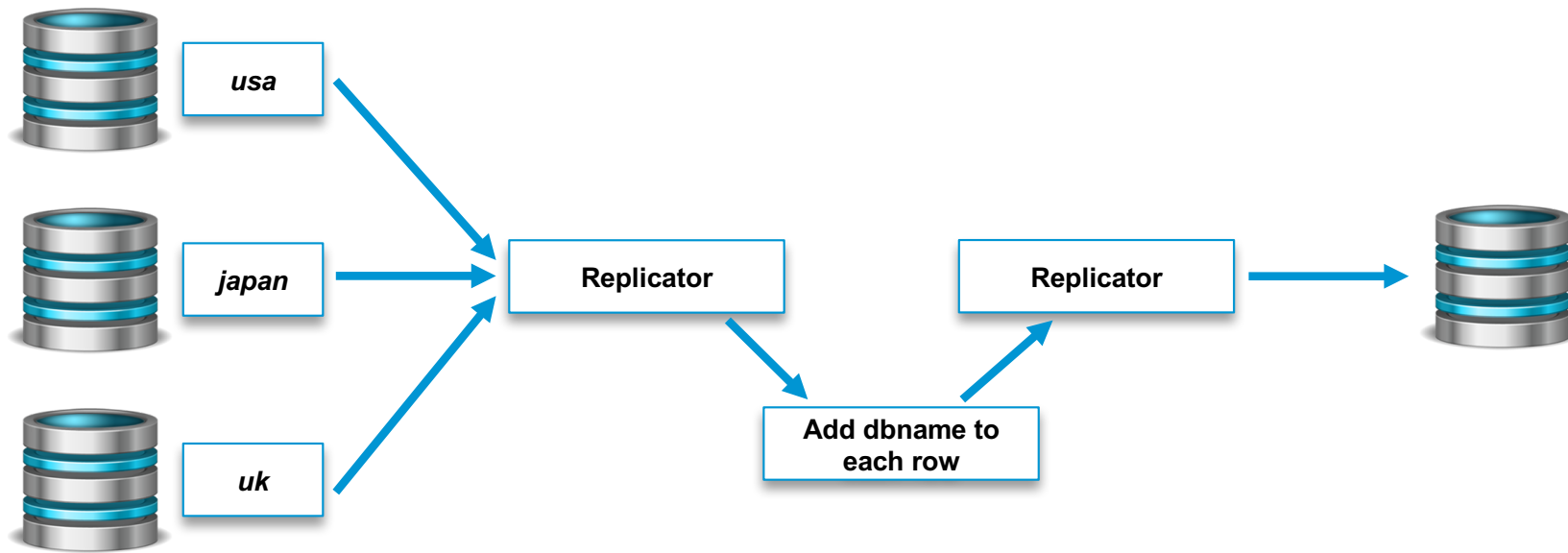


Extra Tricks available for Redshift with Tungsten Replicator

- Long term CDC collection
- Compression
- CDC cleanup
- Single schema replication (available in 5.3 and later)
- DDL translation (available in 5.3 and later)



Replicating into a Single Schema



1	Hello
2	World
3	Goodbye

1	Hello	usa
2	World	usa
3	Goodbye	uk

Demo



Future Direction

- Full SSL support for Redshift
- DDL translation Improvements
- New filters
 - Data obfuscation
 - Data modification
 - Row merging and basic extract augmentation



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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