Tungsten Replicator for Cassandra - Real-time data loading from Oracle and MySQL into Apache Cassandra

Topics

In today's webinar, we will discuss:

- Why Cassandra?
- How replication into Cassandra works
- So I can replicate into Cassandra, now what?
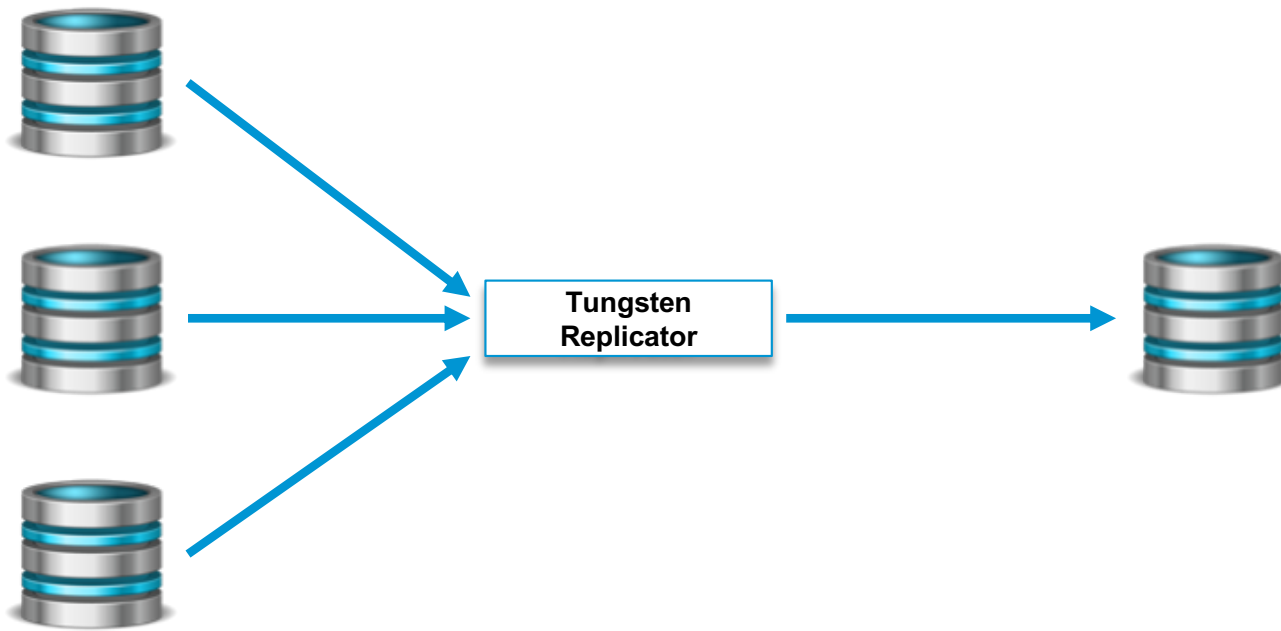- Future direction
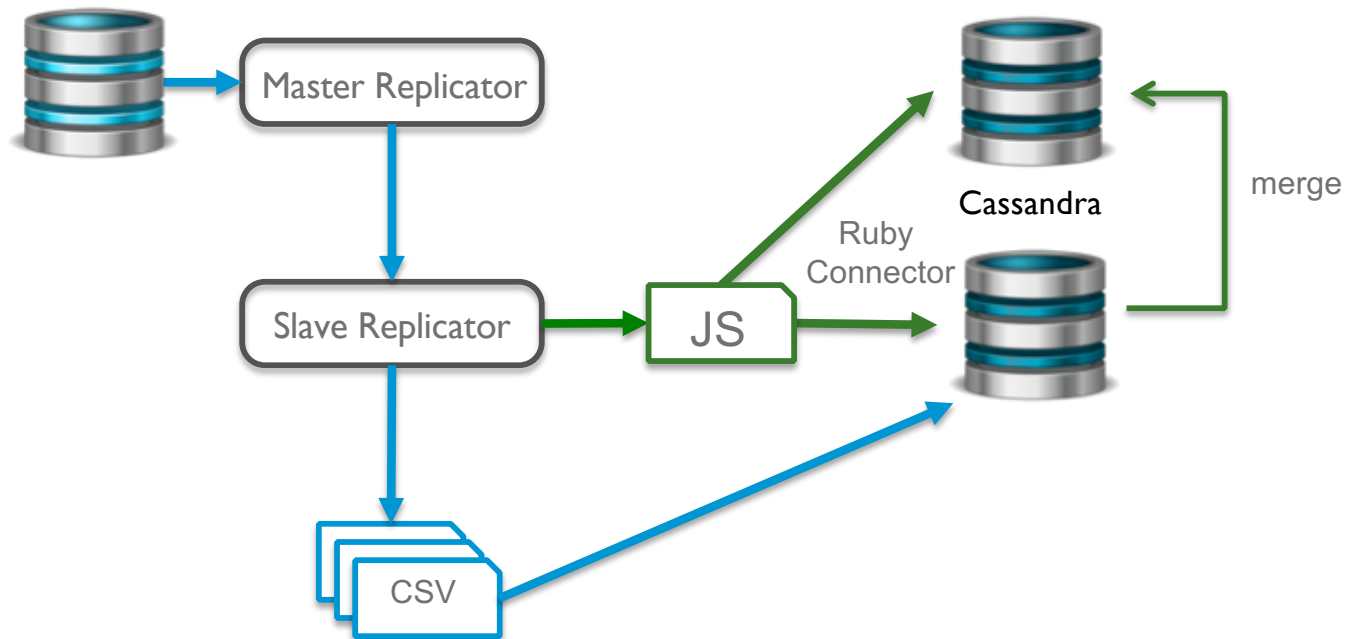
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Why Cassandra

- Great for fast online and CRM-style deployments

- Highly fault tolerant and scalable

- Has some data and formatting changes

- Currently needs our DDL translation tool (soon built-in)

- Quasi table/document style

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Data Collection and Organization with Cassandra

Tungsten
Replicator

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How Cassandra Replication Works

Master Replicator → Slave Replicator → JS (Ruby Connector) → Cassandra

Slave Replicator → CSV → Cassandra

merge

What Tungsten Replicator Does To Apply Into Cassandra

- Row-based replication of the raw data

- SQL0-to-CQL DDL translation

- Currently need to use ddlscan to migrate the table definitions

- Future release will use the DDL translation tool to do it automatically

Demo Data Structure

id	temp	sensor
1	33	Lounge

id	temp	sensor
24	12	Bedroom

id	temp	sensor
234	23	Kitchen

id	temp	sensor
1	33	Lounge
24	12	Bedroom
234	23	Kitchen

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Demo

Future Direction

- New filters
  - Data obfuscation
  - Data modification
  - Row merging and basic extract augmentation
- Data type translation
- Conversion to unstructured or semi-structured types

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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

- Follow us on Twitter @continuent or www.facebook.com/Continuent

- Subscribe to our Tungsten University YouTube channel! http://tinyurl.com/TungstenUni

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