Real-Time Analytics

Learn how to replicate in real-time from MySQL to analytics like AWS RedShift, ClickHouse, Elasticsearch, HDFS, Kafka & Vertica

By Chris Parker
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Welcome!

“Continuent, the MySQL Availability Company”
Continuent, the MySQL Availability Company, provides solutions for continuous operations enabling business-critical MySQL applications to run on a global scale with zero downtime.

Agenda
- Re-Cap of Tungsten Cluster and Tungsten Replicator
- Use Case: Replicating from a Cluster to Analytics
- Continuent Benefits
- Q & A

Please note this live webinar is being recorded, and is expected to last no longer than 30 minutes.
Webinar Goals

We will explore how to deploy a cluster slave in your existing environment, answering the following questions:

- What is a Cluster Slave?
- Why should I consider adding a Cluster Slave?
- What targets can I replicate to?
Solutions ReCap
Continuous MySQL Operations
Zero Downtime MySQL
Multimaster MySQL
Geo-Scale MySQL
Hybrid-Cloud and Multi-Cloud MySQL
Intelligent MySQL Proxy
Most Advanced MySQL Replication
Full MySQL Support, No Application Changes
Tungsten Clustering
Tungsten Replicator

Master Node

Master Replicator:
Extractor

DBMS Logs

Slave Node

Slave Replicator:
Applier

THL

THL

THL
Cluster Slave
Tungsten Replicator – Cluster Slave

- THL already exists within cluster
- Designed to be cluster-aware
- Replicator obtains THL from the Cluster Service
- Not tied to a specific host
- Failover in cluster does not impact cluster slave
- Can be any supported target
Tungsten Replicator, the core underlying technology for Continuent Tungsten, supports data replication from MySQL sources to AWS RedShift, Cassandra, ClickHouse, Elasticsearch, HDFS, Kafka and Vertica.

The same, proven replication mechanism supports data replication from clustered MySQL databases to high-performance NoSQL and data analytics engines.

Derive insight from big data for better business decisions.

Create new revenue opportunities with already existing data.
Demo
Cluster Slave—Demo

“nyc”
db1, db2, db3

Cluster Slave (cs01)
Tungsten Replicator

Zookeeper
Kafka

S3
Redshift
Continuent
ReCap
Continuent, the MySQL Availability Company, provides solutions for continuous operations enabling business-critical MySQL applications to run on a global scale with zero downtime.

Continuent provides geo-distributed MySQL high availability on-premises, in hybrid-cloud, and in multi-cloud environments.

Continuent customers are leading SaaS, e-commerce, financial services, gaming and telco companies who rely on MySQL and Continuent to cost-effectively safeguard billions of dollars annual revenue.

Continuent’s database experts offer the industry’s best 24/7 MySQL support services to ensure continuous client operations.
The core **Continuent Team** has been building data service solutions since 2004.

In 2014 VMware acquired ‘old’ Continuent, the best-of-breed DBaaS company, to offer their own DBaaS for vCloud Air.

‘New’, independent Continuent was spun off from VMware in 2016 after VMware changed its cloud strategy.

In 2019 Continuent is ready to launch an all-new Tungsten Cloud, extending and expanding the functionality of Continuent Clustering in to the Cloud.
Proven Solutions

Our solutions handle billions of transactions per day and support businesses with billions of dollars in combined revenue:
Continuent Tungsten Solutions

**Tungsten Clustering**
Tungsten Clustering allows enterprises running business-critical MySQL database applications to cost-effectively achieve continuous operations with commercial-grade high availability (HA), geographically redundant disaster recovery (DR) and global scaling.

**Tungsten Replicator**
Tungsten Replicator supports real-time data replication from MySQL into AWS RedShift, Cassandra, ClickHouse, Elasticsearch, HDFS, Kafka and Vertica to derive insight from analytics for better business decisions and increase revenue.

**Tungsten Cloud [release date tbd]**
Tungsten Cloud is a portal offering managed data service solutions using select Tungsten Clustering and Tungsten Replicator topologies and solutions.

*MySQL understood in a broad context, including MySQL, MariaDB, Percona Server, RDS MySQL, RDS Aurora and Google Cloud SQL*
Next Steps

Sign up for a private demo for your team, setup a POC, email us at sales@continuent.com

Learn more at your own pace

– Training and webinar library at www.continuent.com/videos/
– White papers at www.continuent.com/white-papers/
– Read the documentation at http://docs.continuent.com/
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