Tungsten Replicator Master Class

Basics: Tungsten Replicator – Simple Installation

Presented by Chris Parker

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Topics

In this short course, we will

- Re-cap of the Architecture and Topologies

- Plan the installation
    - Documentation
    - Software
    - Environmental Decisions
    - Review Pre-Requisites

- Walk Through: Simple Installation
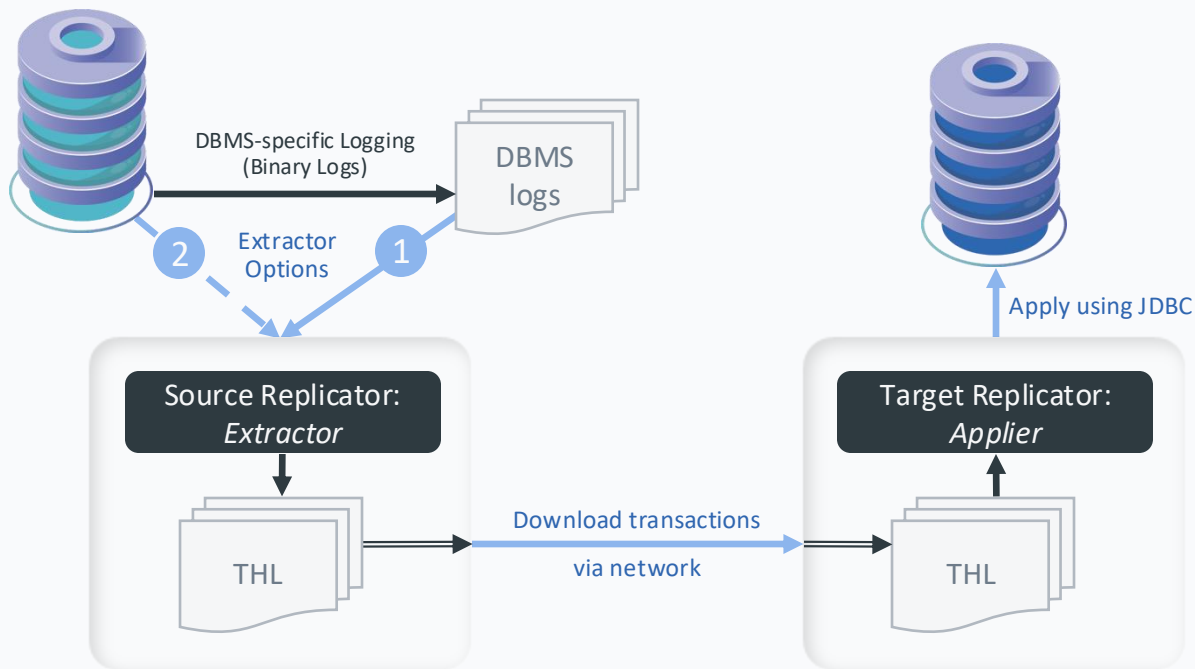
Architecture Re-Cap

Tungsten Replicator for JDBC Targets

Option 1: Local Install
Extractor reads directly from the logs, even when the DBMS service is down. This is the default.

Option 2: Remote
Extractor gets log data via MySQL Replication protocols (which requires the DBMS service to be online). This is how we handle Amazon Aurora extraction tasks.
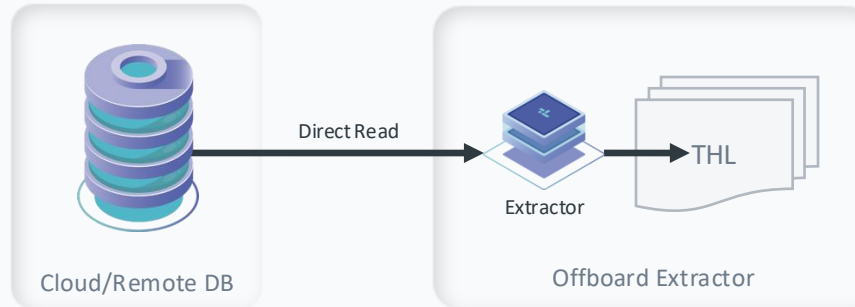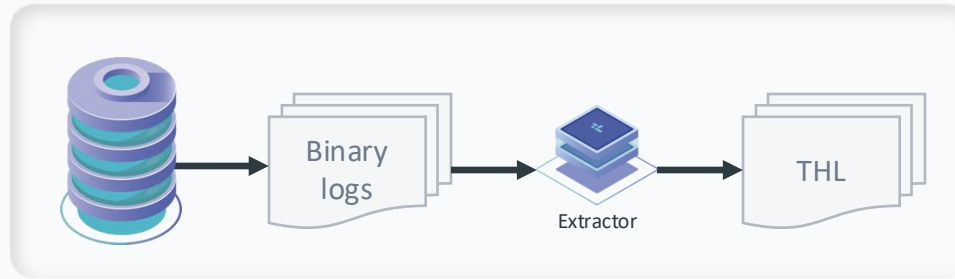
DBMS-specific Logging
(Binary Logs)

DBMS logs

Extractor Options

2

1

Source Replicator:
Extractor

THL

Download transactions via network

Target Replicator:
Applier

THL

Apply using JDBC

THL = Events + Metadata

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Preparing to Install

Pre Installation Environment Decisions

- Which release (and version) of MySQL will be used?
  - https://www.continuent.com/resources/docs/latest/tr/deployment-requirements.html#deployment-requirements-db
- Local or Remote Installation?
- What monitoring tools do you have in place?
- What backup tools do you plan to use?

Local or Remote?

Pre-Requisites

Prerequisites

- Review online documentation
  - https://docs.continuent.com
  - Download the Prerequisite Checklist
- Host
  - OS User
  - /etc/hosts
  - sudoers
  - Ruby
  - Java
- Network
  - Review Port Requirements
- MySQL
  - my.cnf settings
  - User accounts

Installation Methods and Types

Pre Installation Tungsten Decisions

- TAR package or RPM?

- Do you require SSL?
  - Enabled by default from v7.0.0

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Walk Through: Simple Install

Summary

What we have learnt today

- Reviewed the Replicator architecture

- Explored the documentation and prerequisites

- Completed a simple installation

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Thank you for listening

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