

Tungsten Replicator Master Class

Intermediate: Working with Cloud Sources & Targets

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Topics

In this short course, we will:

- Review replicator flow
- Explore cloud specific pre-requisites
- Learn how to configure for cloud extraction

Replicator Flow

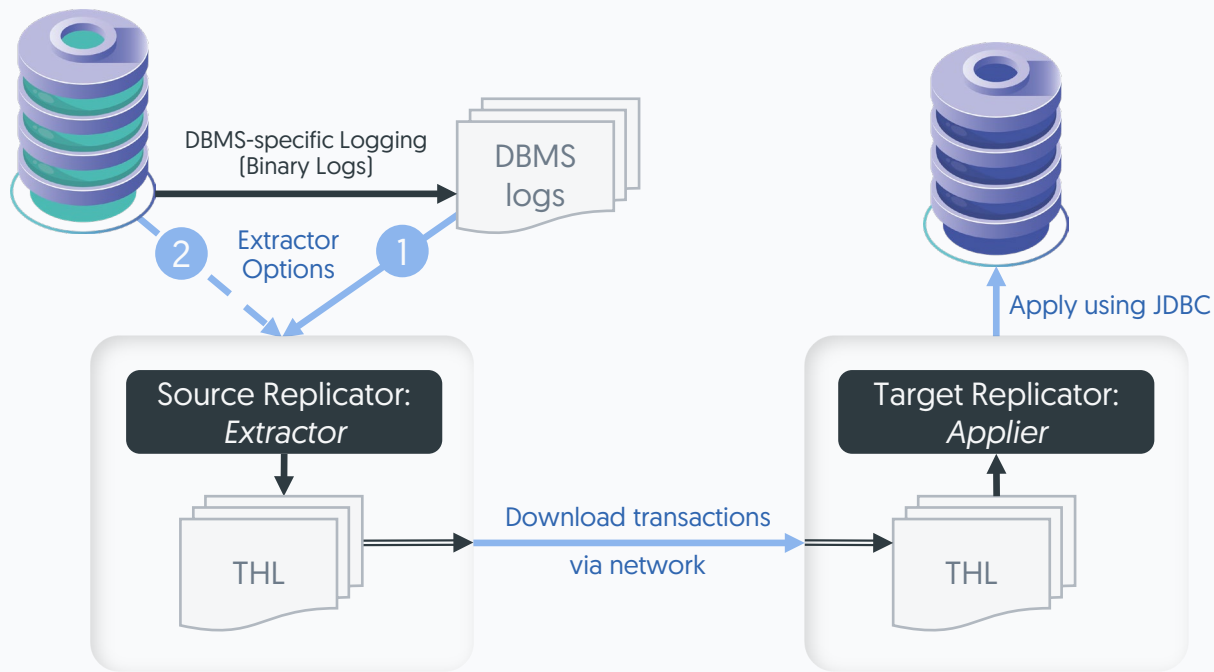
Tungsten Replicator for JDBC Targets

Option 1: Local Install

Extractor reads directly from the logs, even when the DBMS service is down. This is the default.

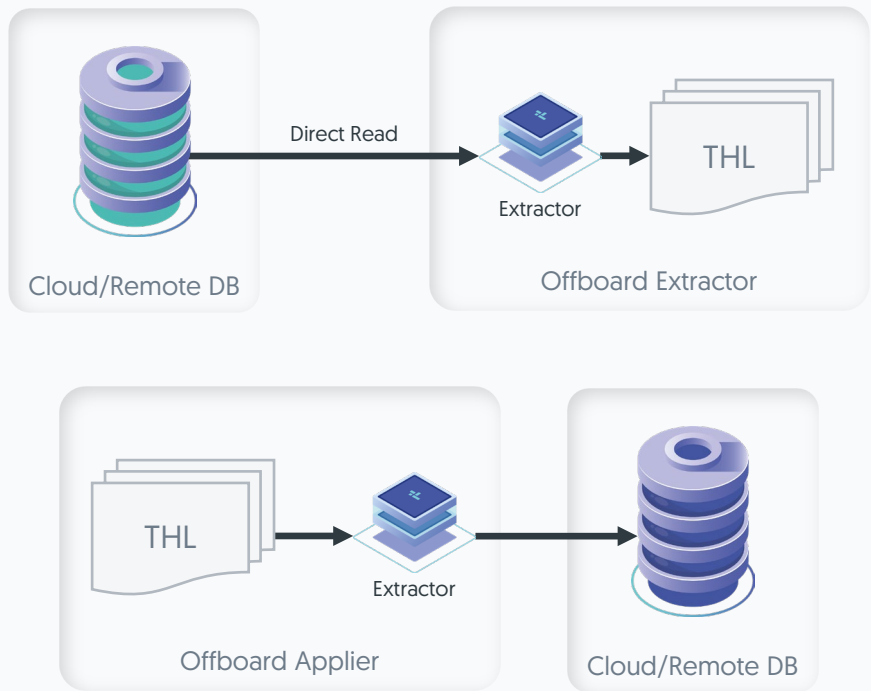
Option 2: Remote

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.



THL = Events + Metadata

Offboard Extract & Apply



Prerequisites

- Review online documentation
 - <https://docs.continuent.com>
 - Download the prerequisite checklist
- Extractor/Applier Hosts
 - OS User
 - /etc/hosts
 - sudoers
 - Ruby
 - Java
- Network
 - Review port requirements
- MySQL
 - my.cnf settings
 - User accounts

Configs

```
[defaults]
user=tungsten
install-directory=/opt/continuent
mysql-allow-intensive-checks=true
profile-script=~/.bash_profile
disable-security-controls=true
skip-validation-check=MySQLBinaryLogsEnabledCheck
skip-validation-check=RowBasedBinaryLoggingCheck
skip-validation-check=MySQLPermissionsCheck
replicator-rest-api-port=8097
replicator-rest-api-authentication=true
replicator-rest-api-ssl=true
rest-api-admin-user=tungsten
rest-api-admin-password=secret
cloud-install=true
```

```
[alpha]
master=tr-ext-2
members=tr-ext-2
replication-host=cloud-endpoint
replication-user=tungsten
replication-password=secret
replication-port=3306
privileged-master=false
svc-extractor-filters=dropcatalogdata
datasource-mysql-conf=/dev/null
```

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```
[defaults]
user=tungsten
install-directory=/opt/continuent
mysql-allow-intensive-checks=true
profile-script=~/.bash_profile
disable-security-controls=true
skip-validation-check=MySQLPermissionsCheck
replicator-rest-api-port=8097
replicator-rest-api-authentication=true
replicator-rest-api-ssl=true
rest-api-admin-user=tungsten
rest-api-admin-password=secret
cloud-install=true
```

```
[alpha]
master=tr-ext-2
members=tr-app-1
replication-host=cloud-endpoint
replication-user=tungsten
replication-password=secret
replication-port=3306
privileged-slave=false
datasource-mysql-conf=/dev/null
```

Summary

What we have learnt today:

- Reviewed replicator flow
- Explored cloud specific pre-requisites
- Learned how to configure for cloud extraction

Thank you for listening

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