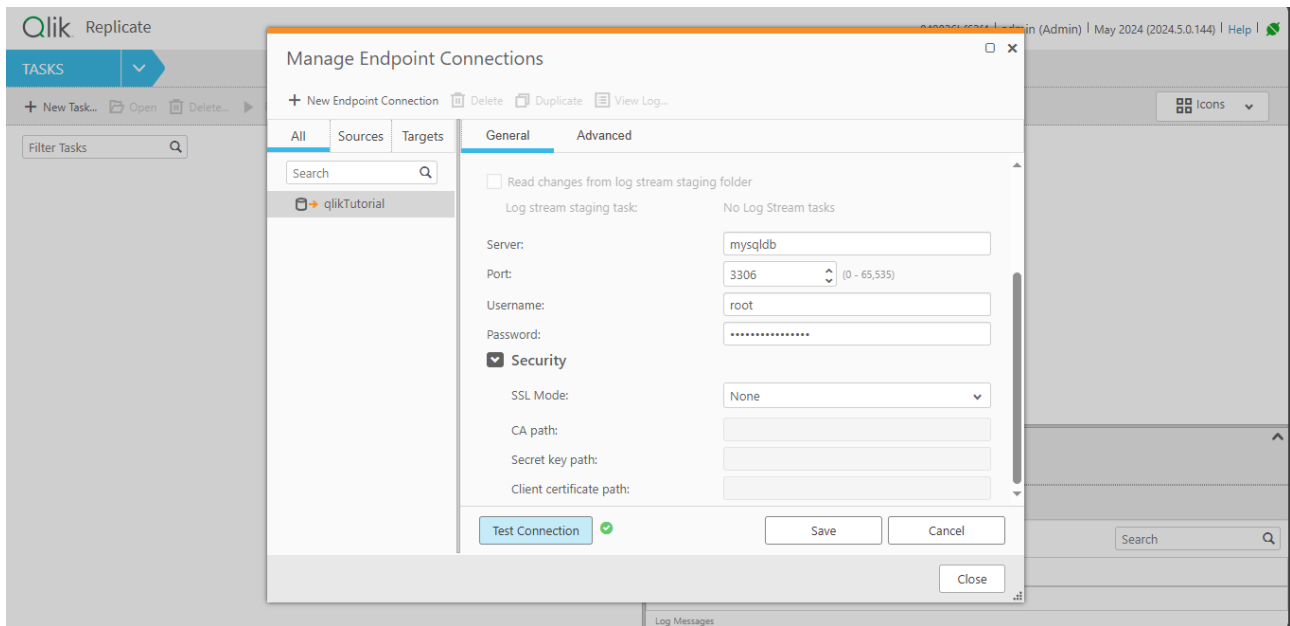


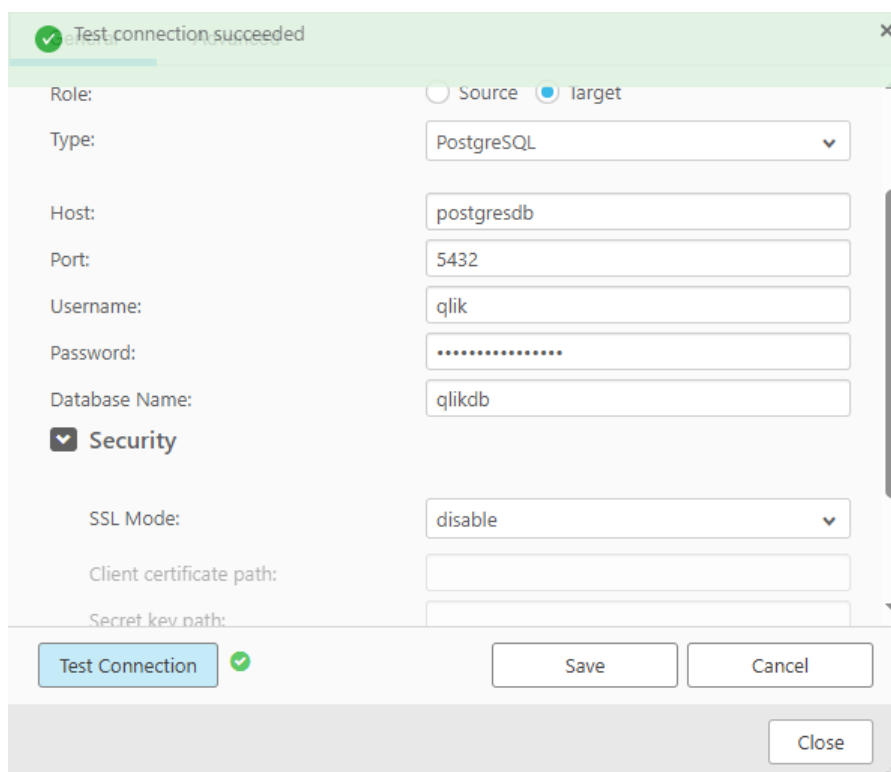
Qlik Replicate

DATABASE-TO-DATABASE REPLICATION

- Paso 1: MySQL Source Configuration



- Paso 2: Postgres Target Configuration



- Paso 3: Configure Your Task

New Task

Name i

mysqlAPostgre

Description

Replication Profile

Select the profile that best describes your replication use case


☒ Unidirectional

☐ Bidirectional i


☐ Log Stream i

Task Options


Select the replication options for this task



Full Load



Apply Changes



Store Changes

Perform a full load of target tables, then keep them up-to-date by applying changes.

OK

Cancel

Select Tables

Source Tables i

Schemas: testdrive

Table: %

☐ Use exact table name

Search

Include

Exclude

Remove

Table Selection Patterns

Pattern

Load Order

Results

Schema	Table Name
testdrive	AllstarFull
testdrive	Appearances
testdrive	AwardsManagers
testdrive	AwardsPlayers
testdrive	AwardsShareManagers
testdrive	AwardsSharePlayers
testdrive	Batting
testdrive	BattingPost

Tables: 27

>

<

>>

<<

Selected Tables

Search

Schema	Table Name	Load Order
testdri...	AllstarFull	Normal Priority
testdri...	Appearances	Normal Priority
testdri...	AwardsManagers	Normal Priority
testdri...	AwardsPlayers	Normal Priority
testdri...	AwardsShareManagers	Normal Priority
testdri...	AwardsSharePlayers	Normal Priority
testdri...	Batting	Normal Priority
testdri...	BattingPost	Normal Priority

Tables: 27

OK

Cancel

- Paso 4: Configure a Transformation

Expression Builder

Columns Headers Variables Operators Functions

Search

Column	Type
deathCountry	WSTRING(64)
deathDay	WSTRING(64)
deathMonth	WSTRING(64)
deathState	WSTRING(64)
deathYear	WSTRING(64)
debut	WSTRING(64)
finalGame	WSTRING(64)
height	INT4
nameFirst	WSTRING(64)
nameGiven	WSTRING(64)
nameLast	WSTRING(64)
playerID	WSTRING(64)
retroID	WSTRING(64)
throws	WSTRING(64)

1 Build Expression

`$nameGiven||' ('||$nameFirst||') '||$nameLast`

2 Parse Expression

Parameter	Value
\$nameGiven	first middle
\$nameFirst	nickname
\$nameLast	lastname

3 Test Expression

first middle (nickname) lastname

- Paso 5: Run Your Task

TASKS

Full Load

Total Completion: 90% 00:00:11

Tables [Select All]

Completed: 24 Loading: 3 Queued: 0 Error: 0

Throughput: rec/sec

Tables - Loading

Table Name	Load Duration	Estimated Count	Transferred Count	Current Throughput	Cached Changes	Estimated Finish TL...	Progress
testdrive.Fielding	00:00:07	145,289	130,000	0	0	00:00:01	<div></div>
testdrive.Pitching	00:00:03	51,318	30,000	0	0	00:00:02	<div></div>
testdrive.Player	00:00:02	19,057	10,000	0	0	00:00:02	<div></div>

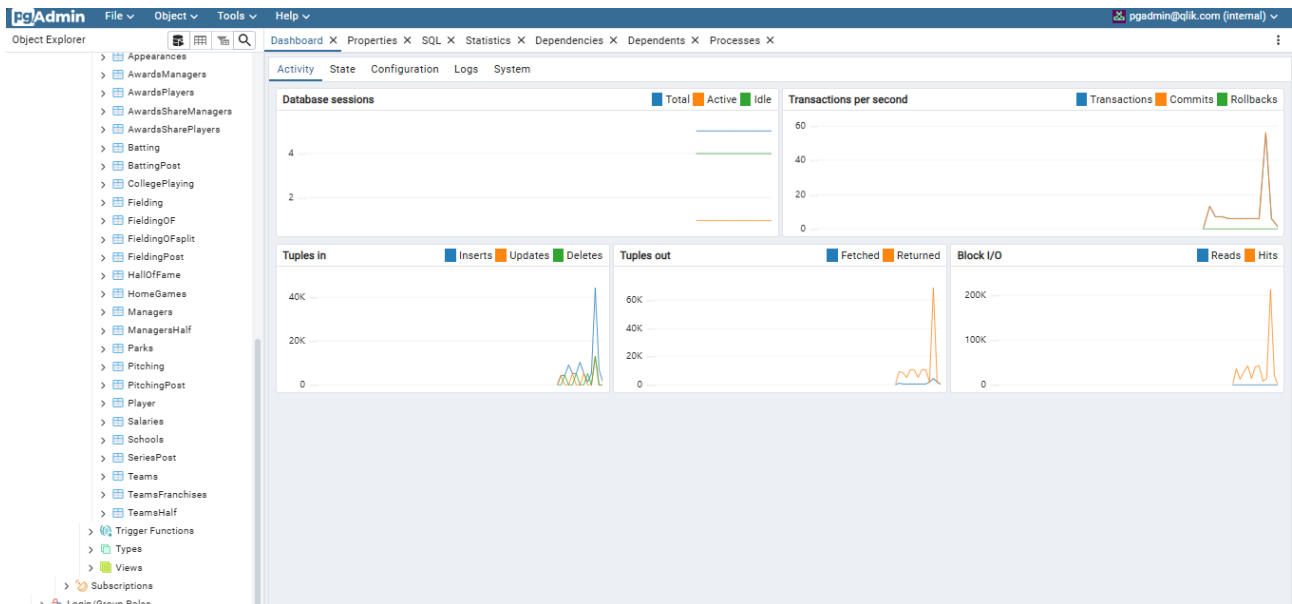
Messages

Log Messages Notifications

☒ Errors
 ☒ Warnings

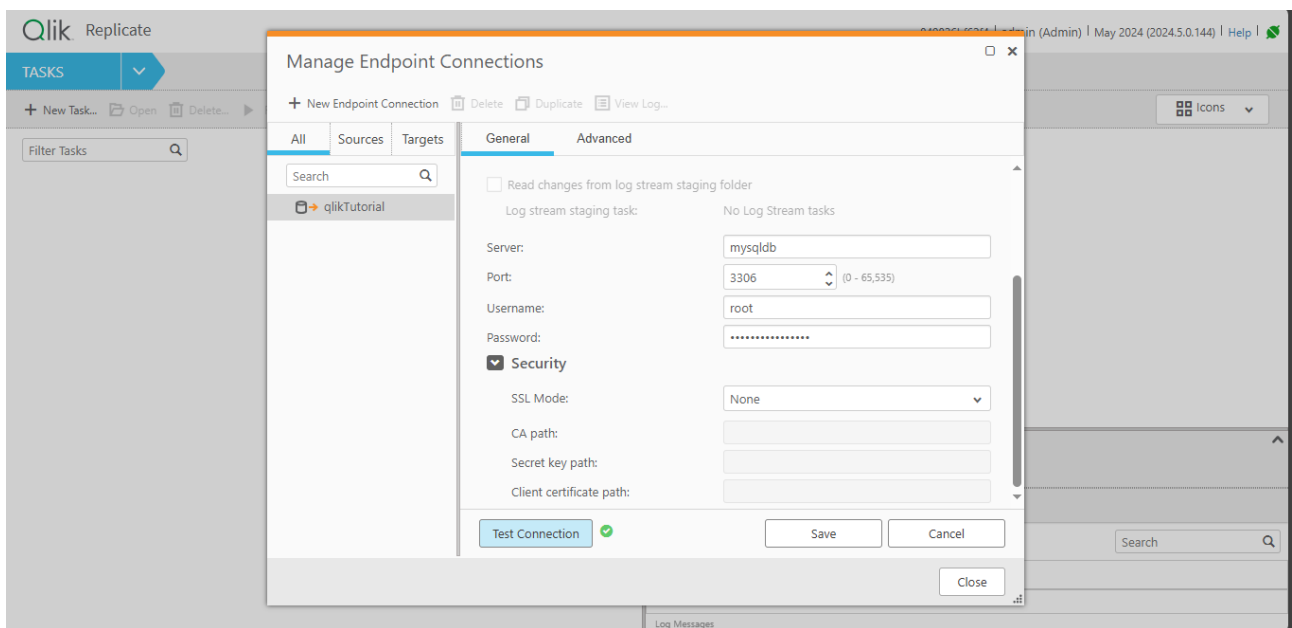
Date and Time Message

0 Log Messages



STREAMING DATA TO KAFKA

• Paso 1: MySQL Source Configuration



- Paso 2: KaNa Target Configuration

The screenshot shows the 'Manage Endpoint Connections' dialog box. On the left, there is a sidebar with tabs for 'All', 'Sources', and 'Targets'. Under 'Targets', three items are listed: 'Kafka-Json', 'PostgreObjective', and 'qlikTutorial'. The main area displays the configuration for the 'Kafka-Json' target. At the top, a green banner indicates 'Test connection succeeded'. The configuration fields are as follows:

- Name:** Kafka-Json
- Description:** (empty text box)
- Role:** ☐ Source ☒ Target
- Type:** Kafka (dropdown menu)
- Broker servers:** kafka:29092
- Security:** ☒ Use SSL ☐ CA path: (empty text box)
- Authentication:** None (dropdown menu)
- Message Properties:** ☒ Format: ☒ JSON ☐ Avro; Compression: None (dropdown menu)
- Data Message Publishing:** ☒

At the bottom, there are buttons for 'Test Connection' (with a green checkmark), 'Save', 'Cancel', and 'Close'.

This screenshot shows the configuration for a 'Kafka-Avro' target connection. The 'Test connection succeeded' banner is present at the top. The configuration fields are:

- Name:** Kafka-Avro
- Description:** (empty text box)
- Role:** ☐ Source ☒ Target
- Type:** Kafka (dropdown menu)
- Broker servers:** kafka:29092
- Security:** ☐ (collapsed)
- Message Properties:** ☐ (collapsed)
- Data Message Publishing:** ☒ Publish the data to: ☐ Specific topic: (empty text box) ☒ Separate topic for each table
- Partition strategy:** By message key (dropdown menu)
- Message key:** Primary key columns (dropdown menu)

At the bottom, there are buttons for 'Test Connection' (with a green checkmark), 'Save', 'Cancel', and 'Close'.

- Paso 3: Configure Your Task

Select Tables

Source Tables

Schemas: testdrive

Table: %

☐ Use exact table name

Search

Include

Exclude

Remove

Table Selection Patterns

Pattern

Load Order

Results

Schema	Table Name
testdrive	Parks
testdrive	Pitching
testdrive	PitchingPost
testdrive	Player
testdrive	Salaries
testdrive	Schools
testdrive	SeriesPost
testdrive	Teams
testdrive	TeamsFranchises

Tables: 27

Selected Tables

Search

Schema	Table Name	Load Order
testdri...	PitchingPost	Normal Priority
testdri...	Player	Normal Priority
testdri...	SeriesPost	Normal Priority

Tables: 3

>

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OK

Cancel

New Transformation Rule

Summary

Transformation rule details

Name: Rename schema 1

Description: Rename schema for %.% to json

Transformation

Rename schema

Transformation Scope

Schema name is like: %

Table name is like: %

Transformation Action

Rename schema to: json

Transformation Type

↓

Transformation Scope

↓

Transformation Action

↓

Summary

< Prev

Next >

Finish

Cancel

• Paso 4: Run Your Task

The screenshot displays the Qlik Replicate web interface. At the top, the 'TASKS' tab is active, showing a task named 'Mysql to Kafka'. The interface includes a 'Full Load' button and a 'Change Processing' button. A progress bar indicates 'Total Completion 100%'. A 'Tables [Select All]' section shows a bar chart with four categories: Completed (3), Loading (0), Queued (0), and Error (0). A 'Throughput' gauge shows 'rec/sec'. Below this, a table lists the progress for three tables:

Table Name	Status	Estimated Count	Count	Elapsed Time	Progress
testdrive.PitchingPost	Completed	5,271	5,271	00:00:03	100%
testdrive.Player	Completed	19,057	19,105	00:00:05	100%
testdrive.SeriesPost	Completed	316	316	00:00:04	100%

On the right, a 'Messages' panel shows a diagram of the data flow: 'qlikTutorial (MySQL)' connects to 'Kafka-Json (Kafka)'. Below the diagram, there are buttons for 'Log Messages', 'Notifications', and 'Export to TSV'. The 'Log Messages' section shows a table with columns for 'Data and Time', 'Level', and 'Message'.

The screenshot shows the 'Topic Messages: json.Player' interface. It displays the following information:

- First Offset: 0, Last Offset: 125330, Size: 125330
- Partition: 0
- Offset: 0
- # messages: 100
- Key format: DEFAULT
- Message format: DEFAULT

A 'View Messages' button is visible. Below, a list of messages is shown, each with an offset, key, timestamp, and headers. The first message is:

Offset: 0 Key: "aardsda01" Timestamp: 2024-11-14 13:56:20.631 Headers: empty
{"data": {"playerID": "aardsda01", "birthYear": 1981, "birthMonth": 12, "birthDay": 27, "birthCountry": "USA", "birthState": "CO", "birthCity": "Denver", "deathYear": "", "deat

ENTREGABLE

Sólo tienes que enviar un par de capturas de pantalla de cada sección, mientras sigues el tutorial. También, explica la principal diferencia que ha visto entre Debezium y Attunity (Qlik Replicate). **Attunity es más una opción empresarial y Debezium open source siendo más accesible para usuarios estandar.**