pubsubplus-connector-ogg

User Guide

Solace Corporation

Version 1.2.10

solace.

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Preface

Solace WebSocket Connector

Getting Started

Presuming you're using the default `application.yml` provided with the download, followone of the below quick start below to connect to a PubSub+ event broker with the {vendor-system-name}. The quick starts use default credentials as examples to get started with two workflows enabled, workflow 0 and workflow 1.

Where:

- Workflow 0 consumes messages from the Solace PubSub+ queue, `Solace/Queue/0`, and publishes them to the {vendor-system-name} producer destination, `producer-destination`.
- Workflow 1 consumes messages from the {vendor-system-name} consumer destination, `consumer-destination`, and publishes them to the Solace PubSub+ topic, `Solace/Topic/1`.

A workflow is the configuration of a flow of messages from a source to a target. The connector supports up to 20 concurrent workflows per instance.



The connector does not provision queues that do not exist.

Prerequisites

- Solace PubSub+ Event Broker
- {vendor-system-name}

Quick Start common steps

These are the steps that are required to run all quick-start examples:

1. Update the provided `samples/config/application.yml` with the values for your deployment.

Solace WebSocket Connector * Getting Started * Resource Requirements for Self-Managed Micro-Integrations * Enabling Workflows == Configuring Micro Integration * Configuring the Datapath for Your Self-Managed Micro-Integration

Management and Monitoring Micro Integration

Managing and Deploying Your Self-Managed Micro-Integration

Configuration

- Configuring Self-Managed Micro-Integrations
- Workflow Configuration

Oracle Golden Gate(OGG) Source Configuration Options

These configuration options are all prefixed by `spring.cloud.stream.solace-ogg.bindings.<input-x>.consumer`:

Config Option	Type	Valid Values	Default Value	Description
`url`	`string`	`ws://` or `wss://` location		ogg service url
`username`	`string`			ogg service username
`password`	`string`			ogg service password
`topic`	`string`			default topic for ogg data change event, support pattern like `/topic/ogg/{schema_name}/{table_name}/{payload.op_type}`, value after `payload.` should be json node in outgoing message payload, also support `{payload.node:<regex>}` to parse valuse via regex
`topicMap`	`Map <String, String>`	`tableName: topicPattern`		override topic configure, default topic for ogg data change event on specific table, support pattern like `/topic/ogg/{schema_name}/{table_name}/{payload.op_type}`, value after `payload.` should be json node in outgoing message payload
`dmlTopic`	`string`			topic for ogg dml event
`objectTopic`	`string`			topic for ogg OBJECT_METADATA event
`dmqEligible`	`boolean`		`false`	if true, the message DMQEligible property to solace

Config Option	Type	Valid Values	Default Value	Description
lvq	string			a solace lvq which hold the last succeed event
lvqTopic	string			lvq topic
include-metadata-in-payload	boolean		false	if true, the whole ogg message will be sent to solace as payload , otherwise only the content of node "after" and "before" appears in the payload, only used with data change event
removeColumnsFromPayload	list of string		[]	if not empty, the columns in the list will be removed from payload, only used with data change event e.g. after.customer
bridgeDmlSchema	boolean		false	if true, dmlTopic will take effect, dml events will be sent to solace
bridgeDmlSchema	boolean		false	if true, dmlTopic will take effect, dml events will be sent to solace
bridgeObjectSchema	boolean		false	if true, objectTopic will take effect, OBJECT_METADATA events will be sent to solace
useSSL	boolean		false	if enable ssl to authorization
userKeyStorePath	string			the user key store file path, available only if useSSl was true
userKeyStorePassword	string			the user key store password, available only if useSSl was true
trustStorePath	embedding			the trust store file path, available only if useSSl was true
trustStorePassword	embedding			the trust store password, available only if useSSl was true

Config Option	Type	Valid Values	Default Value	Description
`headers`	`map`			custom headers with message json node. e.g. `msg_header_op_type: "{payload.op_type}"` also support sub-level map for specific table. e.g. `msg_header_payload_id: {customer: /topic/ogg/{payload.cust_id}, order: /topic/ogg/{payload.order_id}}`
`maxRetry`	`int`		`3`	max retry times when send message to solace failed
`retryInterval`	`int`		`1000`	retry interval when send message to solace failed, unit: ms

License

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