Ad Hoc Debezium

Last updated by | Alexandre Costa e Silva | 27 de jun. de 2023 at 09:36 BRT

MongoDb

```
db.debeziumSignal.insertOne({
type : "execute-snapshot",
data : {"data-collections": ["inventory.users"], "type": "incremental"}
});
```

```
curl -s -X PUT
http://hermesapdev.westus.cloudapp.azure.com:8083/admin/loggers/org.apache.kafka.connect.runtime.rest.RestSe
rver -H "Content-Type:application/json" -d '{"level": "ERROR"}'
```

```
curl -i -X POST -H "Accept:application/json" \
    -H  "Content-Type:application/json" \
    http://hermesapdev.westus.cloudapp.azure.com:8083/connectors \
    -d '{
    "name": "mongodb",
    "config": {
        "connector.class" : "io.debezium.connector.mongodb.MongoDbConnector",
        "mongodb.connection.string": "mongodb://hermesapdev-db.westus.cloudapp.azure.com:27017/?replicaSet=
        "mongodb.user" : "debezium",
        "mongodb.password" : "dbz",
        "topic.prefix" : "mongo",
        "collection.include.list": "inventory.users,inventory.customers,inventory.orders,inventory.products
        "transforms": "unwrap",
        "transforms.unwrap.type": "io.debezium.connector.mongodb.transforms.ExtractNewDocumentState",
        "transforms.unwrap.drop.tombstones": "false",
        "transforms.unwrap.delete.handling.mode": "drop",
        "transforms.unwrap.add.headers": "op",
        "signal.data.collection": "inventory.debeziumSignal"
    }
}'
```

```
curl -X DELETE http://hermesapdev.westus.cloudapp.azure.com:8083/connectors/mongodb/
```

SqlServer

```
CREATE TABLE DEBEZIUM_SIGNAL(
    id              VARCHAR(500) PRIMARY KEY,
    type            VARCHAR(32) NOT NULL,
    data            VARCHAR(2048) NULL
);
```

```
EXEC sys.sp_cdc_enable_table
@source_schema = N'dbo',
@source_name   = N'DEBEZIUM_SIGNAL',
@role_name     = NULL
```

```
curl -s -X PUT
http://hermesapdev.westus.cloudapp.azure.com:8083/admin/loggers/org.apache.kafka.connect.runtime.rest.RestSe
rver -H "Content-Type:application/json" -d '{"level": "ERROR"}'
```

```
curl -i -X POST -H "Accept:application/json" \
    -H  "Content-Type:application/json" \
    http://hermesapdev.westus.cloudapp.azure.com:8083/connectors \
    -d '{
      "name": "sqlserver-debezium",
      "config": {
          "connector.class":"io.debezium.connector.sqlserver.SqlServerConnector",
          "database.hostname":"hermesapdev-db.westus.cloudapp.azure.com",
          "name":"sqlserver-debezium",
          "database.port":"1433",
          "database.user":"sa",
          "database.password":"1q2w3e4r@#a",
          "database.names":"Hot",
          "topic.prefix":"sqlserver",
          "database.server.name":"SQLSERVER",
          "table.include.list":"dbo.SQLSERVER_TABLE_1,dbo.SQLSERVER_TABLE_2,dbo.SQLSERVER_TABLE_3",
          "schema.history.internal.kafka.bootstrap.servers":"broker:29092",
          "schema.history.internal.kafka.topic":"dbhistory.sqlserver",
          "database.encrypt": "true",
          "database.trustServerCertificate": "true",
          "time.precision.mode": "connect",
          "signal.data.collection": "Hot.dbo.DEBEZIUM_SIGNAL"
      }
    }'
```

```
curl -X DELETE http://hermesapdev.westus.cloudapp.azure.com:8083/connectors/sqlserver-debezium/
```

```
INSERT INTO debezium_signal (id, type, data)
values ('test-1',
    'execute-snapshot',
    '{"data-collections": ["Hot.dbo.SQLSERVER_TABLE_2"],
    "type":"incremental"}');
```

```
curl -XPOST --header "Content-Type: application/json" hermesapdev.westus.cloudapp.azure.com:8083/connectors
    "name": "sink-sqlserver-to-sqlserver-1",
    "config": {
        "name": "sink-sqlserver-to-sqlserver-1",
        "connector.class": "io.confluent.connect.jdbc.JdbcSinkConnector",
        "tasks.max": 1,
        "connection.url": "jdbc:sqlserver://hermesapdev-db.westus.cloudapp.azure.com:1433;encrypt=true;data
        "connection.user": "sa",
        "connection.password": "1q2w3e4r@#a",
        "topics": "sqlserver.Hot.dbo.SQLSERVER_TABLE_1",
        "table.name.format": "SQLSERVER_TABLE_1",
        "insert.mode": "upsert",
        "pk.mode": "record_key",
        "pk.fields": "ID",
        "delete.enabled": "true",
        "transforms": "unwrap",
        "transforms.unwrap.type": "io.debezium.transforms.ExtractNewRecordState",
        "transforms.unwrap.drop.tombstones": "false",
        "auto.create": "true"
    }
}'
```

```
curl -XPOST --header "Content-Type: application/json" hermesapdev.westus.cloudapp.azure.com:8083/connectors
    "name": "sink-sqlserver-to-sqlserver-2",
    "config": {
        "name": "sink-sqlserver-to-sqlserver-2",
        "connector.class": "io.confluent.connect.jdbc.JdbcSinkConnector",
        "tasks.max": 1,
        "connection.url": "jdbc:sqlserver://hermesapdev-db.westus.cloudapp.azure.com:1433;encrypt=true;data
        "connection.user": "sa",
        "connection.password": "1q2w3e4r@#a",
        "topics": "sqlserver.Hot.dbo.SQLSERVER_TABLE_2",
        "table.name.format": "SQLSERVER_TABLE_2",
        "insert.mode": "upsert",
        "pk.mode": "record_key",
        "pk.fields": "ID",
        "delete.enabled": "true",
        "transforms": "unwrap",
        "transforms.unwrap.type": "io.debezium.transforms.ExtractNewRecordState",
        "transforms.unwrap.drop.tombstones": "false",
        "auto.create": "true"
    }
}'
```

```
curl -XPOST --header "Content-Type: application/json" hermesapdev.westus.cloudapp.azure.com:8083/connectors
    "name": "sink-sqlserver-to-sqlserver-3",
    "config": {
        "name": "sink-sqlserver-to-sqlserver-3",
        "connector.class": "io.confluent.connect.jdbc.JdbcSinkConnector",
        "tasks.max": 1,
        "connection.url": "jdbc:sqlserver://hermesapdev-db.westus.cloudapp.azure.com:1433;encrypt=true;data
        "connection.user": "sa",
        "connection.password": "1q2w3e4r@#a",
        "topics": "sqlserver.Hot.dbo.SQLSERVER_TABLE_3",
        "table.name.format": "SQLSERVER_TABLE_3",
        "insert.mode": "upsert",
        "pk.mode": "record_key",
        "pk.fields": "ID",
        "delete.enabled": "true",
        "transforms": "unwrap",
        "transforms.unwrap.type": "io.debezium.transforms.ExtractNewRecordState",
        "transforms.unwrap.drop.tombstones": "false",
        "auto.create": "true"
    }
}'
```

Postgres

```
CREATE TABLE DEBEZIUM_SIGNAL(
    id              VARCHAR(500) PRIMARY KEY,
    type            VARCHAR(32) NOT NULL,
    data            VARCHAR(2048) NULL
);
```

```
 curl -s -X PUT
http://hermesapdev.westus.cloudapp.azure.com:8083/admin/loggers/org.apache.kafka.connect.runtime.rest.RestSe
rver -H "Content-Type:application/json" -d '{"level": "ERROR"}'
```

```
curl -i -X POST -H "Accept:application/json" \
    -H  "Content-Type:application/json" \
    http://hermesapdev.westus.cloudapp.azure.com:8083/connectors \
    -d '{
      "name": "postgres-debezium",
      "config": {
            "connector.class": "io.debezium.connector.postgresql.PostgresConnector",
            "database.hostname": "hermesapdev-db.westus.cloudapp.azure.com",
            "database.port": "8524",
            "database.user": "hot",
            "database.password": "213@sa23#SAAx1",
            "database.dbname": "Mars",
            "topic.prefix":"postgres",
            "database.server.name": "hot",
            "signal.data.collection": "public.debezium_signal"
        }
    }'
```

```
INSERT INTO debezium_signal (id, type, data)
values ('test-1',
    'execute-snapshot',
    '{"data-collections": ["public.postgres_table_3"],
    "type":"incremental"}');
```

```
curl -XPOST --header "Content-Type: application/json" hermesapdev.westus.cloudapp.azure.com:8083/connectors
    "name": "sink-postgres-to-postgres-1",
    "config": {
        "name": "sink-postgres-to-postgres-1",
        "connector.class": "io.confluent.connect.jdbc.JdbcSinkConnector",
        "tasks.max": 1,
        "connection.url": "jdbc:postgresql://hermesapdev-db.westus.cloudapp.azure.com:7341/Mars",
        "connection.user": "cool",
        "connection.password": "8una@xaasc3dASaD",
        "topics": "postgres.public.postgres_table_1",
        "table.name.format": "POSTGRES_TABLE_1",
        "insert.mode": "upsert",
        "pk.mode": "record_key",
        "pk.fields": "id",
        "delete.enabled": "true",
        "transforms": "unwrap",
        "transforms.unwrap.type": "io.debezium.transforms.ExtractNewRecordState",
        "transforms.unwrap.drop.tombstones": "false",
        "auto.create": "true"
    }
}'
```

```
  curl -XPOST --header "Content-Type: application/json" hermesapdev.westus.cloudapp.azure.com:8083/connectors
      "name": "sink-postgres-to-postgres-2",
      "config": {
          "name": "sink-postgres-to-postgres-2",
          "connector.class": "io.confluent.connect.jdbc.JdbcSinkConnector",
          "tasks.max": 1,
          "connection.url": "jdbc:postgresql://hermesapdev-db.westus.cloudapp.azure.com:7341/Mars",
          "connection.user": "cool",
          "connection.password": "8una@xaasc3dASaD",
          "topics": "postgres.public.postgres_table_2",
          "table.name.format": "POSTGRES_TABLE_2",
          "insert.mode": "upsert",
          "pk.mode": "record_key",
          "pk.fields": "id",
          "delete.enabled": "true",
          "transforms": "unwrap",
          "transforms.unwrap.type": "io.debezium.transforms.ExtractNewRecordState",
          "transforms.unwrap.drop.tombstones": "false",
          "auto.create": "true"
      }
  }'
```

```
  curl -XPOST --header "Content-Type: application/json" hermesapdev.westus.cloudapp.azure.com:8083/connectors
      "name": "sink-postgres-to-postgres-3",
      "config": {
          "name": "sink-postgres-to-postgres-3",
          "connector.class": "io.confluent.connect.jdbc.JdbcSinkConnector",
          "tasks.max": 1,
          "connection.url": "jdbc:postgresql://hermesapdev-db.westus.cloudapp.azure.com:7341/Mars",
          "connection.user": "cool",
          "connection.password": "8una@xaasc3dASaD",
          "topics": "postgres.public.postgres_table_3",
          "table.name.format": "POSTGRES_TABLE_3",
          "insert.mode": "upsert",
          "pk.mode": "record_key",
          "pk.fields": "id",
          "delete.enabled": "true",
          "transforms": "unwrap",
          "transforms.unwrap.type": "io.debezium.transforms.ExtractNewRecordState",
          "transforms.unwrap.drop.tombstones": "false",
          "auto.create": "true"
      }
  }'
```

Oracle

```
  CREATE TABLE C##MINER.DEBEZIUM_SIGNAL(
      id              VARCHAR(500) PRIMARY KEY,
      type            VARCHAR(32) NOT NULL,
      data            VARCHAR(2048) NULL
  );
```

```
 ALTER TABLE C##MINER.DEBEZIUM_SIGNAL ADD SUPPLEMENTAL LOG DATA (ALL) COLUMNS
```

```
 curl -s -X PUT
 http://hermesapdev.westus.cloudapp.azure.com:8083/admin/loggers/org.apache.kafka.connect.runtime.rest.RestSe
 rver -H "Content-Type:application/json" -d '{"level": "ERROR"}'
```

```
curl -i -X POST -H "Accept:application/json" \
    -H  "Content-Type:application/json" \
    http://hermesapdev.westus.cloudapp.azure.com:8083/connectors \
    -d '{
      "name": "oracle-debezium",
      "config": {
            "connector.class": "io.debezium.connector.oracle.OracleConnector",
            "database.hostname": "hermesapdev-db.westus.cloudapp.azure.com",
            "database.port": "1521",
            "database.user": "c##miner",
            "database.password": "ader2",
            "database.dbname": "HOT",
            "database.pdb.name": "HOT1",
            "database.server.name": "POC",
            "log.mining.strategy": "online_catalog",
            "database.history.kafka.bootstrap.servers" : "broker:29092",
            "database.history.kafka.topic": "schema-changes.inventory",
            "tombstones.on.delete": "true",
            "decimal.handling.mode": "double",
            "topic.prefix":"oracle",
            "lob.enabled": "TRUE",
            "schema.history.internal.kafka.bootstrap.servers":"broker:29092",
            "schema.history.internal.kafka.topic":"dbhistory.oracle",
            "schema.include.list": "PALADIN",
            "table.include.list": "PALADIN.TABLE_1,PALADIN.TABLE_2,PALADIN.TABLE_3",
            "signal.data.collection": "HOT1.C##MINER.DEBEZIUM_SIGNAL"
      }
    }'
```

```
INSERT INTO C##MINER.DEBEZIUM_SIGNAL (id, type, data)
values ('test-1',
    'execute-snapshot',
    '{"data-collections": ["HOT1.PALADIN.TABLE_1"],
    "type":"incremental"}');
```

```
curl -XPOST --header "Content-Type: application/json" http://hermesapdev.westus.cloudapp.azure.com:8083/con
    "name": "sink-1",
    "config": {
        "name": "sink-1",
        "connector.class": "io.confluent.connect.jdbc.JdbcSinkConnector",
        "tasks.max": 1,
        "connection.url": "jdbc:oracle:thin:@//hermesapdev-db.westus.cloudapp.azure.com:1522/COOL1",
        "connection.user": "c##cool",
        "connection.password": "saa23asJJ",
        "topics": "oracle.PALADIN.TABLE_1",
        "table.name.format": "TABLE_1",
        "insert.mode": "upsert",
        "pk.mode": "record_key",
        "pk.fields": "ID",
        "delete.enabled": "true",
        "transforms": "unwrap",
        "transforms.unwrap.type": "io.debezium.transforms.ExtractNewRecordState",
        "transforms.unwrap.drop.tombstones": "false",
        "auto.create": "true"
    }
}'
```