

git_comments:**git_commits:**

1. **summary:** CAMEL-12871: disconnect on handshake failure

message: CAMEL-12871: disconnect on handshake failure If we can't connect and perform the handshake, disconnecting will trigger client restart with back-off. Also when restarting as the signal to restart can occur on multiple threads we need to guard against restart happening in parallel. (cherry picked from commit e1760b1de6adbb5a0f10c02c677e69a04feaad26)

github_issues:**github_issues_comments:****github_pulls:****github_pulls_comments:****github_pulls_reviews:****jira_issues:**

1. **summary:** Camel-salesforce component drops the streaming topic

description: h1. Summary Salesforce component tries to reconnect to salesforce, if it gets disconnect. Most of the time it is succeeded. However, there is case when re-connect does not work. At that time salesforce component drops the topic which is subscribe and reconnects back. Everything looks normal again, however, no new streaming messages are received, as the component has dropped the topic. h1. Observation Here is the logs which show good reconnect. We can see that camel attempts to subscribe to topic /topic/AccountOwner {quote} 2018-09-12 02:54:23.530 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false}] 2018-09-12 02:54:23.531 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.531 WARN 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.588 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true}] 2018-09-12 02:54:23.589 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true}] 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from `2` for channel `/topic/AccountOwners` 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true}] 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]: {clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true} 2018-09-12 02:54:23.693 INFO 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : Subscribed to channel /topic/AccountOwners 2018-09-12 02:54:25.453 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages {quote} Here is the logs which shows connection fails. Camel tries to reconnect, but fails. Then camel reconnects after dropping the topic. After this incident, no new messages are received. {quote} 2018-09-22 05:26:17.121 WARN 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8770, error=403::Unknown client, successful=false} 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0, successful=true}] 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0, successful=true} 2018-09-22 05:26:18.775 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true}] 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]:

{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true} 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from `~2` for channel `/topic/AccountOwners` 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-22 05:26:19.013 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{channel=/meta/disconnect}, {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.014 INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Restarting on unexpected disconnect from Salesforce... 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 WARN 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Waiting to disconnect... 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Pausing for 1000 msecs before restart attempt 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773, subscription=/topic/AccountOwners, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773, subscription=/topic/AccountOwners, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.054 WARN 1 --- [ent@2362f559-23] o.a.c.c.salesforce.SalesforceConsumer : Error subscribing to AccountOwners: 403::Unknown client. Caused by: [org.apache.camel.component.salesforce.api.SalesforceException - Error subscribing to AccountOwners: 403::Unknown client] org.apache.camel.component.salesforce.api.SalesforceException: Error subscribing to AccountOwners: 403::Unknown client at org.apache.camel.component.salesforce.internal.streaming.SubscriptionHelper\$7.onMessage(SubscriptionsHelper.java:404) [camel-salesforce-2.21.1.jar!/:2.21.1] at org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyOnMessage(AbstractClientSession.java:594) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyMessageListeners(AbstractClientSession.java:579) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.notifyListeners(AbstractClientSession.java:291) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.receive(AbstractClientSession.java:257) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessage(BayeuxClient.java:822) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessages(BayeuxClient.java:618) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.access\$3100(BayeuxClient.java:100) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient\$MessageTransportListener.onMessages(BayeuxClient.java:1189) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.transport.LongPollingTransport\$2.onComplete(LongPollingTransport.java:236) [cometd-java-client-3.1.2.jar!/:na] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:193) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:185) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.terminateResponse(HttpReceiver.java:464) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.responseSuccess(HttpReceiver.java:410) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.messageComplete(HttpReceiverOverHTTP.java:301) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.handleContentMessage(HttpParser.java:628) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseContent(HttpParser.java:1594) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseNext(HttpParser.java:1442) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.parse(HttpReceiverOverHTTP.java:173) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.process(HttpReceiverOverHTTP.java:134) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.receive(HttpReceiverOverHTTP.java:72) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpChannelOverHTTP.receive(HttpChannelOverHTTP.java:133) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpConnectionOverHTTP.onFillable(HttpConnectionOverHTTP.java:155) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:281) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:291) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection\$3.succeeded(SslConnection.java:151) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ChannelEndPoint\$2.run(ChannelEndPoint.java:118) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.doProduce(EatWhatYouKill.java:319) [jetty-util-

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9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.tryProduce(EatWhatYouKill.java:175) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.run(EatWhatYouKill.java:133) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.ReservedThreadExecutor$ReservedThread.run(ReservedThreadExecutor.java:366) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool.runJob(QueuedThreadPool.java:754) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool$2.run(QueuedThreadPool.java:672) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at java.lang.Thread.run(Thread.java:748) [na:1.8.0_171] 2018-09-22 05:26:20.070
DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{ext={replay=true,
payload.format=true}, minimumVersion=1.0, clientId=91ffaqtyez0nsf71n1yganknag4o, supportedConnectionTypes=
[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true]}] 2018-09-22
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supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0,
successful=true]} 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received
messages [{clientId=91ffaqtyez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000},
channel=/meta/connect, id=8776, successful=true]}] 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23]
o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=91ffaqtyez0nsf71n1yganknag4o, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true} 2018-09-22 05:26:20.108
INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Successfully restarted! {quote} Here are the logs afterward,
where on getting 403 error camel tries to reconnect, but does not subscribe to topic {quote} 2018-09-22 08:27:54.440 WARN
1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0},
channel=/meta/connect, id=8876, error=403::Unknown client, successful=false} 2018-09-22 08:27:54.489 DEBUG 1 ---
[ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{ext={replay=true, payload.format=true},
minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=
[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true]}] 2018-09-22
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supportedConnectionTypes=[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0,
successful=true]} 2018-09-22 08:27:54.526 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received
messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000},
channel=/meta/connect, id=8878, successful=true]}] 2018-09-22 08:27:54.527 DEBUG 1 --- [ent@2362f559-24]
o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=8318v3qm6whrb71uj5d6w2qv97q, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true} 2018-09-22 08:29:44.566
DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages
[{clientId=8318v3qm6whrb71uj5d6w2qv97q, channel=/meta/connect, id=8879, successful=true}] {quote} h1. Desired
functionality Salesforce component to continue to try reconnect *without* dropping the topic

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24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true}] 2018-09-22
05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]:
{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect,
id=8772, successful=true} 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper :
Refreshing subscriptions to 1 channels on reconnect 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24]
o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from `2` for channel `topic/AccountOwners` 2018-09-22
05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel
/topic/AccountOwners... 2018-09-22 05:26:19.013 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 :
Received messages [{channel=/meta/disconnect}, {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none,
interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.014
INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Restarting on unexpected disconnect from Salesforce...
2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper :
[CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0},
channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 WARN 1 ---
[ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice=
{reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22
05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Waiting to disconnect... 2018-09-22
05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Pausing for 1000 msec before restart
attempt 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages
[{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773,
subscription=/topic/AccountOwners, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.043 DEBUG 1 ---
[ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]:
{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773,
subscription=/topic/AccountOwners, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.054 WARN 1 ---
[ent@2362f559-23] o.a.c.c.salesforce.SalesforceConsumer : Error subscribing to AccountOwners: 403::Unknown client.
Caused by: [org.apache.camel.component.salesforce.api.SalesforceException - Error subscribing to AccountOwners:
403::Unknown client] org.apache.camel.component.salesforce.api.SalesforceException: Error subscribing to
AccountOwners: 403::Unknown client at
org.apache.camel.component.salesforce.internal.streaming.SubscriptionHelper\$7.onMessage(SubscriptionsHelper.java:404)
[camel-salesforce-2.21.1.jar!/:2.21.1] at
org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyOnMessage(AbstractClientSession.java:594)
[cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyMessageListeners(AbstractClientSession.java:579)
[cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession.notifyListeners(AbstractClientSession.java:291) [cometd-java-common-
3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.receive(AbstractClientSession.java:257) [cometd-java-common-
3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessage(BayeuxClient.java:822) [cometd-java-client-3.1.2.jar!/:na]
at org.cometd.client.BayeuxClient.processMessages(BayeuxClient.java:618) [cometd-java-client-3.1.2.jar!/:na] at
org.cometd.client.BayeuxClient.access\$3100(BayeuxClient.java:100) [cometd-java-client-3.1.2.jar!/:na] at
org.cometd.client.BayeuxClient\$MessageTransportListener.onMessages(BayeuxClient.java:1189) [cometd-java-client-
3.1.2.jar!/:na] at org.cometd.client.transport.LongPollingTransport\$2.onComplete(LongPollingTransport.java:236) [cometd-
java-client-3.1.2.jar!/:na] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:193) [jetty-
client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:185) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.terminateResponse(HttpReceiver.java:464)
[jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.HttpReceiver.responseSuccess(HttpReceiver.java:410) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.messageComplete(HttpReceiverOverHTTP.java:301) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.handleContentMessage(HttpParser.java:628)
[jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseContent(HttpParser.java:1594)
[jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseNext(HttpParser.java:1442) [jetty-
http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at

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org.eclipse.jetty.client.http.HttpReceiverOverHTTP.parse(HttpReceiverOverHTTP.java:173) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.process(HttpReceiverOverHTTP.java:134) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.receive(HttpReceiverOverHTTP.java:72) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpChannelOverHTTP.receive(HttpChannelOverHTTP.java:133) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpConnectionOverHTTP.onFillable(HttpConnectionOverHTTP.java:155) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded(AbstractConnection.java:281) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:291) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection$3.succeeded(SslConnection.java:151) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ChannelEndPoint$2.run(ChannelEndPoint.java:118) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.doProduce(EatWhatYouKill.java:319) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.tryProduce(EatWhatYouKill.java:175) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.run(EatWhatYouKill.java:133) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.ReservedThreadExecutor$ReservedThread.run(ReservedThreadExecutor.java:366) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool.runJob(QueuedThreadPool.java:754) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool$2.run(QueuedThreadPool.java:672) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at java.lang.Thread.run(Thread.java:748) [na:1.8.0_171] 2018-09-22 05:26:20.070
DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=91ffa9yez0nsf71n1yganknag4o, supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true}] 2018-09-22 05:26:20.070
DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=91ffa9yez0nsf71n1yganknag4o, supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true} 2018-09-22 05:26:20.108
DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{clientId=91ffa9yez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true}] 2018-09-22 05:26:20.108
DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=91ffa9yez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true} 2018-09-22 05:26:20.108
INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Successfully restarted! {quote} Here are the logs afterward, where on getting 403 error camel tries to reconnect, but does not subscribe to topic {quote} 2018-09-22 08:27:54.440
WARN 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8876, error=403::Unknown client, successful=false} 2018-09-22 08:27:54.489
DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true}] 2018-09-22 08:27:54.489
DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true} 2018-09-22 08:27:54.526
DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true}] 2018-09-22 08:27:54.527
DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true} 2018-09-22 08:29:44.566
DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, channel=/meta/connect, id=8879, successful=true}] {quote} h1. Desired functionality Salesforce component to continue to try reconnect *without* dropping the topic

```

3. **summary:** Camel-salesforce component drops the streaming topic

description: h1. Summary Salesforce component tries to reconnect to salesforce, if it gets disconnect. Most of the time it is succeeded. However, there is case when re-connect does not work. At that time salesforce component drops the topic which is subscribe and reconnects back. Everything looks normal again, however, no new streaming messages are received, as the component has dropped the topic. h1. Observation Here is the logs which show good reconnect. We can see that camel attempts to subscribe to topic /topic/AccountOwner {quote} 2018-09-12 02:54:23.530
DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false}] 2018-09-12 02:54:23.531
DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.531
WARN 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake,

interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.588
DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true,
payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=
[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true]}] 2018-09-12 02:54:23.589
DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext=
{replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev,
supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0,
successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received
messages [{clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000},
channel=/meta/connect, id=412, successful=true}] 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20]
o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=p1t1717111gqk4p6eff60893qeev, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true} 2018-09-12 02:54:23.625
DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect
2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay
from -2 for channel /topic/AccountOwners 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20]
o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-12 02:54:23.693 DEBUG 1 ---
[ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev,
channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true}] 2018-09-12 02:54:23.693 DEBUG
1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]:
{clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners,
successful=true} 2018-09-12 02:54:23.693 INFO 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : Subscribed to
channel /topic/AccountOwners 2018-09-12 02:54:25.453 DEBUG 1 --- [ent@2362f559-20]
o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages {quote} Here is the logs which shows connection fails. Camel
tries to reconnect, but fails. Then camel reconnects after dropping the topic. After this incident, no new messages are
received. {quote} 2018-09-22 05:26:17.121 WARN 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : Connect
failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8770, error=403::Unknown client,
successful=false} 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received
messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn,
supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0,
successful=true}] 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper :
[CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0,
clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c,
channel=/meta/handshake, id=8771, version=1.0, successful=true} 2018-09-22 05:26:18.775 DEBUG 1 --- [ent@2362f559-
24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true}] 2018-09-22
05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]:
{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect,
id=8772, successful=true} 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper :
Refreshing subscriptions to 1 channels on reconnect 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24]
o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from -2 for channel /topic/AccountOwners 2018-09-22
05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel
/topic/AccountOwners... 2018-09-22 05:26:19.013 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 :
Received messages [{channel=/meta/disconnect}, {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none,
interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.014
INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Restarting on unexpected disconnect from Salesforce...
2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper :
[CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0},
channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 WARN 1 ---
[ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice=
{reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22
05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Waiting to disconnect... 2018-09-22
05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Pausing for 1000 msecs before restart
attempt 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages
[{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773,
subscription=/topic/AccountOwners, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.043 DEBUG 1 ---
[ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]:
{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773,
subscription=/topic/AccountOwners, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.054 WARN 1 ---
[ent@2362f559-23] o.a.c.c.salesforce.SalesforceConsumer : Error subscribing to AccountOwners: 403::Unknown client.
Caused by: [org.apache.camel.component.salesforce.api.SalesforceException - Error subscribing to AccountOwners:
403::Unknown client] org.apache.camel.component.salesforce.api.SalesforceException: Error subscribing to
AccountOwners: 403::Unknown client at
org.apache.camel.component.salesforce.internal.streaming.SubscriptionHelper\$7.onMessage(SubscriptionsHelper.java:404)
[camel-salesforce-2.21.1.jar!/:2.21.1] at
org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyOnMessage(AbstractClientSession.java:594)
[cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyMessageListeners(AbstractClientSession.java:579)
[cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession.notifyListeners(AbstractClientSession.java:291) [cometd-java-common-

3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.receive(AbstractClientSession.java:257) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessage(BayeuxClient.java:822) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessages(BayeuxClient.java:618) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.access\$3100(BayeuxClient.java:100) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient\$MessageTransportListener.onMessages(BayeuxClient.java:1189) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.transport.LongPollingTransport\$2.onComplete(LongPollingTransport.java:236) [cometd-java-client-3.1.2.jar!/:na] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:193) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:185) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.terminateResponse(HttpReceiver.java:464) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.responseSuccess(HttpReceiver.java:410) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.messageComplete(HttpReceiverOverHTTP.java:301) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.handleContentMessage(HttpParser.java:628) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseContent(HttpParser.java:1594) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseNext(HttpParser.java:1442) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.parse(HttpReceiverOverHTTP.java:173) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.process(HttpReceiverOverHTTP.java:134) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.receive(HttpReceiverOverHTTP.java:72) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpChannelOverHTTP.receive(HttpChannelOverHTTP.java:133) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpConnectionOverHTTP.onFillable(HttpConnectionOverHTTP.java:155) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:281) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:291) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection\$3.succeeded(SslConnection.java:151) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ChannelEndPoint\$2.run(ChannelEndPoint.java:118) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.doProduce(EatWhatYouKill.java:319) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.tryProduce(EatWhatYouKill.java:175) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.run(EatWhatYouKill.java:133) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.ReservedThreadExecutor\$ReservedThread.run(ReservedThreadExecutor.java:366) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.QueuedThreadPool.runJob(QueuedThreadPool.java:754) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.QueuedThreadPool\$2.run(QueuedThreadPool.java:672) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at java.lang.Thread.run(Thread.java:748) [na:1.8.0_171] 2018-09-22 05:26:20.070 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=91ffa9yez0nsf71n1yganknag4o, supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true}] 2018-09-22 05:26:20.070 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=91ffa9yez0nsf71n1yganknag4o, supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true} 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=91ffa9yez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true}] 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=91ffa9yez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true} 2018-09-22 05:26:20.108 INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Successfully restarted! {quote} Here are the logs afterward, where on getting 403 error camel tries to reconnect, but does not subscribe to topic {quote} 2018-09-22 08:27:54.440 WARN 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8876, error=403::Unknown client, successful=false} 2018-09-22 08:27:54.489 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true}] 2018-09-22 08:27:54.489 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true} 2018-09-22 08:27:54.526 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received

messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true}] 2018-09-22 08:27:54.527 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true} 2018-09-22 08:29:44.566 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, channel=/meta/connect, id=8879, successful=true}] {quote} h1. Desired functionality Salesforce component to continue to try reconnect *without* dropping the topic
label: code-design

4. **summary:** Camel-salesforce component drops the streaming topic

description: h1. Summary Salesforce component tries to reconnect to salesforce, if it gets disconnect. Most of the time it is succeeded. However, there is case when re-connect does not work. At that time salesforce component drops the topic which is subscribe and reconnects back. Everything looks normal again, however, no new streaming messages are received, as the component has dropped the topic. h1. Observation Here is the logs which show good reconnect. We can see that camel attempts to subscribe to topic /topic/AccountOwner {quote} 2018-09-12 02:54:23.530 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false}] 2018-09-12 02:54:23.531 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.531 WARN 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.588 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true}] 2018-09-12 02:54:23.589 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true}] 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from -2` for channel /topic/AccountOwners` 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true}] 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]: {clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true} 2018-09-12 02:54:23.693 INFO 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : Subscribed to channel /topic/AccountOwners 2018-09-12 02:54:25.453 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages {quote} Here is the logs which shows connection fails. Camel tries to reconnect, but fails. Then camel reconnects after dropping the topic. After this incident, no new messages are received. {quote} 2018-09-22 05:26:17.121 WARN 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8770, error=403::Unknown client, successful=false} 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0, successful=true}] 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0, successful=true} 2018-09-22 05:26:18.775 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true}] 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true} 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from -2` for channel /topic/AccountOwners` 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-22 05:26:19.013 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{channel=/meta/disconnect}, {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.014 INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Restarting on unexpected disconnect from Salesforce... 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 WARN 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22

05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Waiting to disconnect... 2018-09-22
05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Pausing for 1000 msecs before restart
attempt 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages
[{"clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773,
subscription=/topic/AccountOwners, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.043 DEBUG 1 ---
[ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]:
{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773,
subscription=/topic/AccountOwners, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.054 WARN 1 ---
[ent@2362f559-23] o.a.c.c.salesforce.SalesforceConsumer : Error subscribing to AccountOwners: 403::Unknown client.
Caused by: [org.apache.camel.component.salesforce.api.SalesforceException - Error subscribing to AccountOwners:
403::Unknown client] org.apache.camel.component.salesforce.api.SalesforceException: Error subscribing to
AccountOwners: 403::Unknown client at
org.apache.camel.component.salesforce.internal.streaming.SubscriptionHelper\$7.onMessage(SubscriptionHelper.java:404)
[camel-salesforce-2.21.1.jar!/:2.21.1] at
org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyOnMessage(AbstractClientSession.java:594)
[cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyMessageListeners(AbstractClientSession.java:579)
[cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession.notifyListeners(AbstractClientSession.java:291) [cometd-java-common-
3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.receive(AbstractClientSession.java:257) [cometd-java-common-
3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessage(BayeuxClient.java:822) [cometd-java-client-3.1.2.jar!/:na]
at org.cometd.client.BayeuxClient.processMessages(BayeuxClient.java:618) [cometd-java-client-3.1.2.jar!/:na] at
org.cometd.client.BayeuxClient.access\$3100(BayeuxClient.java:100) [cometd-java-client-3.1.2.jar!/:na] at
org.cometd.client.BayeuxClient\$MessageTransportListener.onMessages(BayeuxClient.java:1189) [cometd-java-client-
3.1.2.jar!/:na] at org.cometd.client.transport.LongPollingTransport\$2.onComplete(LongPollingTransport.java:236) [cometd-
java-client-3.1.2.jar!/:na] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:193) [jetty-
client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:185) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.terminateResponse(HttpReceiver.java:464)
[jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.HttpReceiver.responseSuccess(HttpReceiver.java:410) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.messageComplete(HttpReceiverOverHTTP.java:301) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.handleContentMessage(HttpParser.java:628)
[jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseContent(HttpParser.java:1594)
[jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseNext(HttpParser.java:1442) [jetty-
http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.parse(HttpReceiverOverHTTP.java:173) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.process(HttpReceiverOverHTTP.java:134) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.receive(HttpReceiverOverHTTP.java:72) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpChannelOverHTTP.receive(HttpChannelOverHTTP.java:133) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpConnectionOverHTTP.onFillable(HttpConnectionOverHTTP.java:155) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:281) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:291) [jetty-
io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection\$3.succeeded(SslConnection.java:151)
[jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ChannelEndPoint\$2.run(ChannelEndPoint.java:118) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.doProduce(EatWhatYouKill.java:319) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.tryProduce(EatWhatYouKill.java:175) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.run(EatWhatYouKill.java:133) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.ReservedThreadExecutor\$ReservedThread.run(ReservedThreadExecutor.java:366) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool.runJob(QueuedThreadPool.java:754) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool\$2.run(QueuedThreadPool.java:672) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at java.lang.Thread.run(Thread.java:748) [na:1.8.0_171] 2018-09-22 05:26:20.070
DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{"ext={replay=true,
payload.format=true}, minimumVersion=1.0, clientId=91ffaqqez0nsf71n1yganknag4o, supportedConnectionTypes=
[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true]}] 2018-09-22

05:26:20.070 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=91ffaqtyez0nsf71n1yganknag4o, supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true} 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=91ffaqtyez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true}] 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=91ffaqtyez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true} 2018-09-22 05:26:20.108 INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Successfully restarted! {quote} Here are the logs afterward, where on getting 403 error camel tries to reconnect, but does not subscribe to topic {quote} 2018-09-22 08:27:54.440 WARN 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8876, error=403::Unknown client, successful=false} 2018-09-22 08:27:54.489 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true}] 2018-09-22 08:27:54.489 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true} 2018-09-22 08:27:54.526 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true}] 2018-09-22 08:27:54.527 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true} 2018-09-22 08:29:44.566 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, channel=/meta/connect, id=8879, successful=true}] {quote} h1. Desired functionality Salesforce component to continue to try reconnect *without* dropping the topic

5. **summary:** Camel-salesforce component drops the streaming topic

description: h1. Summary Salesforce component tries to reconnect to salesforce, if it gets disconnect. Most of the time it is succeeded. However, there is case when re-connect does not work. At that time salesforce component drops the topic which is subscribe and reconnects back. Everything looks normal again, however, no new streaming messages are received, as the component has dropped the topic. h1. Observation Here is the logs which show good reconnect. We can see that camel attempts to subscribe to topic /topic/AccountOwner {quote} 2018-09-12 02:54:23.530 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false}] 2018-09-12 02:54:23.531 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.531 WARN 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.588 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true}] 2018-09-12 02:54:23.589 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true}] 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from -2 for channel /topic/AccountOwners` 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true}] 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]: {clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true} 2018-09-12 02:54:23.693 INFO 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : Subscribed to channel /topic/AccountOwners 2018-09-12 02:54:25.453 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages {quote} Here is the logs which shows connection fails. Camel tries to reconnect, but fails. Then camel reconnects after dropping the topic. After this incident, no new messages are received. {quote} 2018-09-22 05:26:17.121 WARN 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8770, error=403::Unknown client, successful=false} 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0, successful=true}] 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c,

channel=/meta/handshake, id=8771, version=1.0, successful=true} 2018-09-22 05:26:18.775 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true}] 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true} 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from '-2' for channel '/topic/AccountOwners' 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-22 05:26:19.013 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{channel=/meta/disconnect}, {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.014 INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Restarting on unexpected disconnect from Salesforce... 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 WARN 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Waiting to disconnect... 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Pausing for 1000 msec before restart attempt 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773, subscription=/topic/AccountOwners, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773, subscription=/topic/AccountOwners, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.054 WARN 1 --- [ent@2362f559-23] o.a.c.c.salesforce.SalesforceConsumer : Error subscribing to AccountOwners: 403::Unknown client. Caused by: [org.apache.camel.component.salesforce.api.SalesforceException - Error subscribing to AccountOwners: 403::Unknown client] org.apache.camel.component.salesforce.api.SalesforceException: Error subscribing to AccountOwners: 403::Unknown client at org.apache.camel.component.salesforce.internal.streaming.SubscriptionHelper\$7.onMessage(SubscriptionHelper.java:404) [camel-salesforce-2.21.1.jar!/:2.21.1] at org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyOnMessage(AbstractClientSession.java:594) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyMessageListeners(AbstractClientSession.java:579) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.notifyListeners(AbstractClientSession.java:291) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.receive(AbstractClientSession.java:257) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessage(BayeuxClient.java:822) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessages(BayeuxClient.java:618) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.access\$3100(BayeuxClient.java:100) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient\$MessageTransportListener.onMessages(BayeuxClient.java:1189) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.transport.LongPollingTransport\$2.onComplete(LongPollingTransport.java:236) [cometd-java-client-3.1.2.jar!/:na] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:193) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:185) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.terminateResponse(HttpReceiver.java:464) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.responseSuccess(HttpReceiver.java:410) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.messageComplete(HttpReceiverOverHTTP.java:301) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.handleContentMessage(HttpParser.java:628) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseContent(HttpParser.java:1594) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseNext(HttpParser.java:1442) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.parse(HttpReceiverOverHTTP.java:173) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.process(HttpReceiverOverHTTP.java:134) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.receive(HttpReceiverOverHTTP.java:72) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpChannelOverHTTP.receive(HttpChannelOverHTTP.java:133) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpConnectionOverHTTP.onFillable(HttpConnectionOverHTTP.java:155) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:281) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:291) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection\$3.succeeded(SslConnection.java:151)

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[jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ChannelEndPoint$2.run(ChannelEndPoint.java:118) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.doProduce(EatWhatYouKill.java:319) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.tryProduce(EatWhatYouKill.java:175) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.run(EatWhatYouKill.java:133) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.ReservedThreadExecutor$ReservedThread.run(ReservedThreadExecutor.java:366) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.QueuedThreadPool.runJob(QueuedThreadPool.java:754) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.QueuedThreadPool$2.run(QueuedThreadPool.java:672) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at java.lang.Thread.run(Thread.java:748) [na:1.8.0_171] 2018-09-22 05:26:20.070
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6. **summary:** Camel-salesforce component drops the streaming topic

description: h1. Summary Salesforce component tries to reconnect to salesforce, if it gets disconnect. Most of the time it is succeeded. However, there is case when re-connect does not work. At that time salesforce component drops the topic which is subscribe and reconnects back. Everything looks normal again, however, no new streaming messages are received, as the component has dropped the topic. h1. Observation Here is the logs which show good reconnect. We can see that camel attempts to subscribe to topic /topic/AccountOwner {quote} 2018-09-12 02:54:23.530
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WARN 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.588
DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true}] 2018-09-12 02:54:23.589
DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true} 2018-09-12 02:54:23.625
DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true}] 2018-09-12 02:54:23.625
DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true} 2018-09-12 02:54:23.625
DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-12 02:54:23.626
INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay

from `2` for channel `/topic/AccountOwners` 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20]
o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-12 02:54:23.693 DEBUG 1 ---
[ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev,
channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true}] 2018-09-12 02:54:23.693 DEBUG
1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]:
{clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners,
successful=true} 2018-09-12 02:54:23.693 INFO 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : Subscribed to
channel /topic/AccountOwners 2018-09-12 02:54:25.453 DEBUG 1 --- [ent@2362f559-20]
o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages {quote} Here is the logs which shows connection fails. Camel
tries to reconnect, but fails. Then camel reconnects after dropping the topic. After this incident, no new messages are
received. {quote} 2018-09-22 05:26:17.121 WARN 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : Connect
failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8770, error=403::Unknown client,
successful=false} 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received
messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn,
supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0,
successful=true}] 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper :
[CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0,
clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c,
channel=/meta/handshake, id=8771, version=1.0, successful=true} 2018-09-22 05:26:18.775 DEBUG 1 --- [ent@2362f559-
24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true}] 2018-09-22
05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]:
{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect,
id=8772, successful=true} 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper :
Refreshing subscriptions to 1 channels on reconnect 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24]
o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from `2` for channel `/topic/AccountOwners` 2018-09-22
05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel
/topic/AccountOwners... 2018-09-22 05:26:19.013 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 :
Received messages [{channel=/meta/disconnect}, {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none,
interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.014
INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Restarting on unexpected disconnect from Salesforce...
2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper :
[CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0},
channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 WARN 1 ---
[ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice=
{reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22
05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Waiting to disconnect... 2018-09-22
05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Pausing for 1000 msec before restart
attempt 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages
[{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773,
subscription=/topic/AccountOwners, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.043 DEBUG 1 ---
[ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]:
{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773,
subscription=/topic/AccountOwners, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.054 WARN 1 ---
[ent@2362f559-23] o.a.c.c.salesforce.SalesforceConsumer : Error subscribing to AccountOwners: 403::Unknown client.
Caused by: [org.apache.camel.component.salesforce.api.SalesforceException - Error subscribing to AccountOwners:
403::Unknown client] org.apache.camel.component.salesforce.api.SalesforceException: Error subscribing to
AccountOwners: 403::Unknown client at
org.apache.camel.component.salesforce.internal.streaming.SubscriptionHelper\$7.onMessage(SubscriptionsHelper.java:404)
[camel-salesforce-2.21.1.jar!/:2.21.1] at
org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyOnMessage(AbstractClientSession.java:594)
[cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyMessageListeners(AbstractClientSession.java:579)
[cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession.notifyListeners(AbstractClientSession.java:291) [cometd-java-common-
3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.receive(AbstractClientSession.java:257) [cometd-java-common-
3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessage(BayeuxClient.java:822) [cometd-java-client-3.1.2.jar!/:na]
at org.cometd.client.BayeuxClient.processMessages(BayeuxClient.java:618) [cometd-java-client-3.1.2.jar!/:na] at
org.cometd.client.BayeuxClient.access\$3100(BayeuxClient.java:100) [cometd-java-client-3.1.2.jar!/:na] at
org.cometd.client.BayeuxClient\$MessageTransportListener.onMessages(BayeuxClient.java:1189) [cometd-java-client-
3.1.2.jar!/:na] at org.cometd.client.transport.LongPollingTransport\$2.onComplete(LongPollingTransport.java:236) [cometd-
java-client-3.1.2.jar!/:na] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:193) [jetty-
client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:185) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.terminateResponse(HttpReceiver.java:464)
[jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.HttpReceiver.responseSuccess(HttpReceiver.java:410) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.messageComplete(HttpReceiverOverHTTP.java:301) [jetty-client-

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9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.handleContentMessage(HttpParser.java:628)
[jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseContent(HttpParser.java:1594)
[jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseNext(HttpParser.java:1442) [jetty-
http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.parse(HttpReceiverOverHTTP.java:173) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.process(HttpReceiverOverHTTP.java:134) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.receive(HttpReceiverOverHTTP.java:72) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpChannelOverHTTP.receive(HttpChannelOverHTTP.java:133) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpConnectionOverHTTP.onFillable(HttpConnectionOverHTTP.java:155) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded(AbstractConnection.java:281) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:291) [jetty-
io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection$3.succeeded(SslConnection.java:151)
[jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ChannelEndPoint$2.run(ChannelEndPoint.java:118) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.doProduce(EatWhatYouKill.java:319) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.tryProduce(EatWhatYouKill.java:175) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.run(EatWhatYouKill.java:133) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.ReservedThreadExecutor$ReservedThread.run(ReservedThreadExecutor.java:366) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool.runJob(QueuedThreadPool.java:754) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool$2.run(QueuedThreadPool.java:672) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at java.lang.Thread.run(Thread.java:748) [na:1.8.0_171] 2018-09-22 05:26:20.070
DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{ext={replay=true,
payload.format=true}, minimumVersion=1.0, clientId=91ffaqtyez0nsf71n1yganknag4o, supportedConnectionTypes=
[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true]}] 2018-09-22
05:26:20.070 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]:
{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=91ffaqtyez0nsf71n1yganknag4o,
supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0,
successful=true} 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received
messages [{clientId=91ffaqtyez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000},
channel=/meta/connect, id=8776, successful=true}] 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23]
o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=91ffaqtyez0nsf71n1yganknag4o, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true} 2018-09-22 05:26:20.108
INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Successfully restarted! {quote} Here are the logs afterward,
where on getting 403 error camel tries to reconnect, but does not subscribe to topic {quote} 2018-09-22 08:27:54.440 WARN
1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0},
channel=/meta/connect, id=8876, error=403::Unknown client, successful=false} 2018-09-22 08:27:54.489 DEBUG 1 ---
[ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{ext={replay=true, payload.format=true},
minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=
[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true]}] 2018-09-22
08:27:54.489 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]:
{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q,
supportedConnectionTypes=[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0,
successful=true} 2018-09-22 08:27:54.526 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received
messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000},
channel=/meta/connect, id=8878, successful=true}] 2018-09-22 08:27:54.527 DEBUG 1 --- [ent@2362f559-24]
o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=8318v3qm6whrb71uj5d6w2qv97q, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true} 2018-09-22 08:29:44.566
DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages
[{clientId=8318v3qm6whrb71uj5d6w2qv97q, channel=/meta/connect, id=8879, successful=true}] {quote} h1. Desired
functionality Salesforce component to continue to try reconnect *without* dropping the topic

```

7. **summary:** Camel-salesforce component drops the streaming topic

description: h1. Summary Salesforce component tries to reconnect to salesforce, if it gets disconnect. Most of the time it is succeeded. However, there is case when re-connect does not work. At that time salesforce component drops the topic which is subscribe and reconnects back. Everything looks normal again, however, no new streaming messages are received, as the component has dropped the topic. h1. Observation Here is the logs which show good reconnect. We can see that camel attempts to subscribe to topic /topic/AccountOwner {quote} 2018-09-12 02:54:23.530 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{advice={reconnect=handshake, interval=0},

channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.531 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.531 WARN 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.588 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true]}] 2018-09-12 02:54:23.589 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true}] 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from `-2` for channel `/topic/AccountOwners` 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true}] 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]: {clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true} 2018-09-12 02:54:23.693 INFO 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : Subscribed to channel /topic/AccountOwners 2018-09-12 02:54:25.453 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages {quote} Here is the logs which shows connection fails. Camel tries to reconnect, but fails. Then camel reconnects after dropping the topic. After this incident, no new messages are received. {quote} 2018-09-22 05:26:17.121 WARN 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8770, error=403::Unknown client, successful=false} 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0, successful=true}] 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0, successful=true} 2018-09-22 05:26:18.775 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true}] 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true} 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from `-2` for channel `/topic/AccountOwners` 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-22 05:26:19.013 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{channel=/meta/disconnect}, {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.014 INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Restarting on unexpected disconnect from Salesforce... 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 WARN 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Waiting to disconnect... 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Pausing for 1000 msec before restart attempt 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773, subscription=/topic/AccountOwners, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773, subscription=/topic/AccountOwners, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.054 WARN 1 --- [ent@2362f559-23] o.a.c.c.salesforce.SalesforceConsumer : Error subscribing to AccountOwners: 403::Unknown client. Caused by: [org.apache.camel.component.salesforce.api.SalesforceException - Error subscribing to AccountOwners: 403::Unknown client] org.apache.camel.component.salesforce.api.SalesforceException: Error subscribing to AccountOwners: 403::Unknown client at org.apache.camel.component.salesforce.internal.streaming.SubscriptionHelper\$7.onMessage(SubscriptionsHelper.java:404) [camel-salesforce-2.21.1.jar!/:2.21.1] at org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyOnMessage(AbstractClientSession.java:594)

[cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyMessageListeners(AbstractClientSession.java:579)
[cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession.notifyListeners(AbstractClientSession.java:291) [cometd-java-common-
3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.receive(AbstractClientSession.java:257) [cometd-java-common-
3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessage(BayeuxClient.java:822) [cometd-java-client-3.1.2.jar!/:na]
at org.cometd.client.BayeuxClient.processMessages(BayeuxClient.java:618) [cometd-java-client-3.1.2.jar!/:na] at
org.cometd.client.BayeuxClient.access\$3100(BayeuxClient.java:100) [cometd-java-client-3.1.2.jar!/:na] at
org.cometd.client.BayeuxClient\$MessageTransportListener.onMessages(BayeuxClient.java:1189) [cometd-java-client-
3.1.2.jar!/:na] at org.cometd.client.transport.LongPollingTransport\$2.onComplete(LongPollingTransport.java:236) [cometd-
java-client-3.1.2.jar!/:na] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:193) [jetty-
client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:185) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.terminateResponse(HttpReceiver.java:464)
[jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.HttpReceiver.responseSuccess(HttpReceiver.java:410) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.messageComplete(HttpReceiverOverHTTP.java:301) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.handleContentMessage(HttpParser.java:628)
[jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseContent(HttpParser.java:1594)
[jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseNext(HttpParser.java:1442) [jetty-
http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.parse(HttpReceiverOverHTTP.java:173) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.process(HttpReceiverOverHTTP.java:134) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.receive(HttpReceiverOverHTTP.java:72) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpChannelOverHTTP.receive(HttpChannelOverHTTP.java:133) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpConnectionOverHTTP.onFillable(HttpConnectionOverHTTP.java:155) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:281) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:291) [jetty-
io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection\$3.succeeded(SslConnection.java:151)
[jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ChannelEndPoint\$2.run(ChannelEndPoint.java:118) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.doProduce(EatWhatYouKill.java:319) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.tryProduce(EatWhatYouKill.java:175) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.run(EatWhatYouKill.java:133) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.ReservedThreadExecutor\$ReservedThread.run(ReservedThreadExecutor.java:366) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool.runJob(QueuedThreadPool.java:754) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool\$2.run(QueuedThreadPool.java:672) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at java.lang.Thread.run(Thread.java:748) [na:1.8.0_171] 2018-09-22 05:26:20.070
DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true,
payload.format=true}, minimumVersion=1.0, clientId=91ffa9yez0nsf71n1yganknag4o, supportedConnectionTypes=
[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true]}] 2018-09-22
05:26:20.070 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]:
{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=91ffa9yez0nsf71n1yganknag4o,
supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0,
successful=true]} 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received
messages [{clientId=91ffa9yez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000},
channel=/meta/connect, id=8776, successful=true}] 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23]
o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=91ffa9yez0nsf71n1yganknag4o, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true} 2018-09-22 05:26:20.108
INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Successfully restarted! {quote} Here are the logs afterward,
where on getting 403 error camel tries to reconnect, but does not subscribe to topic {quote} 2018-09-22 08:27:54.440 WARN
1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0},
channel=/meta/connect, id=8876, error=403::Unknown client, successful=false} 2018-09-22 08:27:54.489 DEBUG 1 ---
[ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true},
minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=
[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true]}] 2018-09-22

08:27:54.489 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true} 2018-09-22 08:27:54.526 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true}] 2018-09-22 08:27:54.527 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true} 2018-09-22 08:29:44.566 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, channel=/meta/connect, id=8879, successful=true}] {quote} h1. Desired functionality Salesforce component to continue to try reconnect *without* dropping the topic

8. **summary:** Camel-salesforce component drops the streaming topic

description: h1. Summary Salesforce component tries to reconnect to salesforce, if it gets disconnect. Most of the time it is succeeded. However, there is case when re-connect does not work. At that time salesforce component drops the topic which is subscribe and reconnects back. Everything looks normal again, however, no new streaming messages are received, as the component has dropped the topic. h1. Observation Here is the logs which show good reconnect. We can see that camel attempts to subscribe to topic /topic/AccountOwner {quote} 2018-09-12 02:54:23.530 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false}] 2018-09-12 02:54:23.531 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.531 WARN 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.588 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true}] 2018-09-12 02:54:23.589 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true}] 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from -2 for channel /topic/AccountOwners 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true}] 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]: {clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true} 2018-09-12 02:54:23.693 INFO 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : Subscribed to channel /topic/AccountOwners 2018-09-12 02:54:25.453 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages {quote} Here is the logs which shows connection fails. Camel tries to reconnect, but fails. Then camel reconnects after dropping the topic. After this incident, no new messages are received. {quote} 2018-09-22 05:26:17.121 WARN 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8770, error=403::Unknown client, successful=false} 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0, successful=true}] 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0, successful=true} 2018-09-22 05:26:18.775 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true}] 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true} 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from -2 for channel /topic/AccountOwners 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-22 05:26:19.013 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{channel=/meta/disconnect}, {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.014 INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Restarting on unexpected disconnect from Salesforce... 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0},

channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 WARN 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Waiting to disconnect... 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Pausing for 1000 msec before restart attempt 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773, subscription=/topic/AccountOwners, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773, subscription=/topic/AccountOwners, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.054 WARN 1 --- [ent@2362f559-23] o.a.c.c.salesforce.SalesforceConsumer : Error subscribing to AccountOwners: 403::Unknown client. Caused by: [org.apache.camel.component.salesforce.api.SalesforceException - Error subscribing to AccountOwners: 403::Unknown client] org.apache.camel.component.salesforce.api.SalesforceException: Error subscribing to AccountOwners: 403::Unknown client at org.apache.camel.component.salesforce.internal.streaming.SubscriptionHelper\$7.onMessage(SubscriptionsHelper.java:404) [camel-salesforce-2.21.1.jar!/:2.21.1] at org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyOnMessage(AbstractClientSession.java:594) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyMessageListeners(AbstractClientSession.java:579) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.notifyListeners(AbstractClientSession.java:291) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.receive(AbstractClientSession.java:257) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessage(BayeuxClient.java:822) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessages(BayeuxClient.java:618) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.access\$3100(BayeuxClient.java:100) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient\$MessageTransportListener.onMessages(BayeuxClient.java:1189) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.transport.LongPollingTransport\$2.onComplete(LongPollingTransport.java:236) [cometd-java-client-3.1.2.jar!/:na] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:193) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:185) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.terminateResponse(HttpReceiver.java:464) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.responseSuccess(HttpReceiver.java:410) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.messageComplete(HttpReceiverOverHTTP.java:301) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.handleContentMessage(HttpParser.java:628) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseContent(HttpParser.java:1594) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseNext(HttpParser.java:1442) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.parse(HttpReceiverOverHTTP.java:173) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.process(HttpReceiverOverHTTP.java:134) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.receive(HttpReceiverOverHTTP.java:72) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpChannelOverHTTP.receive(HttpChannelOverHTTP.java:133) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpConnectionOverHTTP.onFillable(HttpConnectionOverHTTP.java:155) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:281) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:291) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection\$3.succeeded(SslConnection.java:151) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ChannelEndPoint\$2.run(ChannelEndPoint.java:118) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.doProduce(EatWhatYouKill.java:319) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.tryProduce(EatWhatYouKill.java:175) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.run(EatWhatYouKill.java:133) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.ReservedThreadExecutor\$ReservedThread.run(ReservedThreadExecutor.java:366) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.QueuedThreadPool.runJob(QueuedThreadPool.java:754) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.util.thread.QueuedThreadPool\$2.run(QueuedThreadPool.java:672) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at java.lang.Thread.run(Thread.java:748) [na:1.8.0_171] 2018-09-22 05:26:20.070

DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=91ffa9yez0nsf71n1yganknag4o, supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true}] 2018-09-22 05:26:20.070 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=91ffa9yez0nsf71n1yganknag4o, supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true} 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=91ffa9yez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true}] 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=91ffa9yez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true} 2018-09-22 05:26:20.108 INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Successfully restarted! {quote} Here are the logs afterward, where on getting 403 error camel tries to reconnect, but does not subscribe to topic {quote} 2018-09-22 08:27:54.440 WARN 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8876, error=403::Unknown client, successful=false} 2018-09-22 08:27:54.489 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true}] 2018-09-22 08:27:54.489 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true} 2018-09-22 08:27:54.526 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true}] 2018-09-22 08:27:54.527 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true} 2018-09-22 08:29:44.566 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, channel=/meta/connect, id=8879, successful=true}] {quote} h1. Desired functionality Salesforce component to continue to try reconnect *without* dropping the topic

9. **summary:** Camel-salesforce component drops the streaming topic

description: h1. Summary Salesforce component tries to reconnect to salesforce, if it gets disconnect. Most of the time it is succeeded. However, there is case when re-connect does not work. At that time salesforce component drops the topic which is subscribe and reconnects back. Everything looks normal again, however, no new streaming messages are received, as the component has dropped the topic. h1. Observation Here is the logs which show good reconnect. We can see that camel attempts to subscribe to topic /topic/AccountOwner {quote} 2018-09-12 02:54:23.530 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false}] 2018-09-12 02:54:23.531 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.531 WARN 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.588 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t17l7111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true}] 2018-09-12 02:54:23.589 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t17l7111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t17l7111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true}] 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=p1t17l7111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from -2 for channel /topic/AccountOwners` 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t17l7111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true}] 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]: {clientId=p1t17l7111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true} 2018-09-12 02:54:23.693 INFO 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : Subscribed to channel /topic/AccountOwners 2018-09-12 02:54:25.453 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages {quote} Here is the logs which shows connection fails. Camel tries to reconnect, but fails. Then camel reconnects after dropping the topic. After this incident, no new messages are received. {quote} 2018-09-22 05:26:17.121 WARN 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8770, error=403::Unknown client, successful=false} 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0,

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Caused by: [org.apache.camel.component.salesforce.api.SalesforceException - Error subscribing to AccountOwners: 403::Unknown client] org.apache.camel.component.salesforce.api.SalesforceException: Error subscribing to AccountOwners: 403::Unknown client at org.apache.camel.component.salesforce.internal.streaming.SubscriptionHelper\$7.onMessage(SubscriptionsHelper.java:404) [camel-salesforce-2.21.1.jar!/:2.21.1] at org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyOnMessage(AbstractClientSession.java:594) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyMessageListeners(AbstractClientSession.java:579) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.notifyListeners(AbstractClientSession.java:291) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.receive(AbstractClientSession.java:257) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessage(BayeuxClient.java:822) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessages(BayeuxClient.java:618) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.access\$3100(BayeuxClient.java:100) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient\$MessageTransportListener.onMessages(BayeuxClient.java:1189) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.transport.LongPollingTransport\$2.onComplete(LongPollingTransport.java:236) [cometd-java-client-3.1.2.jar!/:na] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:193) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:185) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.terminateResponse(HttpReceiver.java:464) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.responseSuccess(HttpReceiver.java:410) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.messageComplete(HttpReceiverOverHTTP.java:301) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.handleContentMessage(HttpParser.java:628) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseContent(HttpParser.java:1594) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseNext(HttpParser.java:1442) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.parse(HttpReceiverOverHTTP.java:173) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.process(HttpReceiverOverHTTP.java:134) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpReceiverOverHTTP.receive(HttpReceiverOverHTTP.java:72) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpChannelOverHTTP.receive(HttpChannelOverHTTP.java:133) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.http.HttpConnectionOverHTTP.onFillable(HttpConnectionOverHTTP.java:155) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:281) [jetty-io-

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9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:291) [jetty-
io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection$3.succeeded(SslConnection.java:151)
[jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ChannelEndPoint$2.run(ChannelEndPoint.java:118) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.doProduce(EatWhatYouKill.java:319) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.tryProduce(EatWhatYouKill.java:175) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.run(EatWhatYouKill.java:133) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.ReservedThreadExecutor$ReservedThread.run(ReservedThreadExecutor.java:366) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool.runJob(QueuedThreadPool.java:754) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool$2.run(QueuedThreadPool.java:672) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at java.lang.Thread.run(Thread.java:748) [na:1.8.0_171] 2018-09-22 05:26:20.070
DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{ext={replay=true,
payload.format=true}, minimumVersion=1.0, clientId=91ffaqtyez0nsf71n1yganknag4o, supportedConnectionTypes=
[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true]}] 2018-09-22
05:26:20.070 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]:
{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=91ffaqtyez0nsf71n1yganknag4o,
supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0,
successful=true} 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received
messages [{clientId=91ffaqtyez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000},
channel=/meta/connect, id=8776, successful=true}] 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23]
o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=91ffaqtyez0nsf71n1yganknag4o, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true} 2018-09-22 05:26:20.108
INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Successfully restarted! {quote} Here are the logs afterward,
where on getting 403 error camel tries to reconnect, but does not subscribe to topic {quote} 2018-09-22 08:27:54.440 WARN
1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0},
channel=/meta/connect, id=8876, error=403::Unknown client, successful=false} 2018-09-22 08:27:54.489 DEBUG 1 ---
[ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{ext={replay=true, payload.format=true},
minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=
[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true]}] 2018-09-22
08:27:54.489 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]:
{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q,
supportedConnectionTypes=[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0,
successful=true} 2018-09-22 08:27:54.526 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received
messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000},
channel=/meta/connect, id=8878, successful=true}] 2018-09-22 08:27:54.527 DEBUG 1 --- [ent@2362f559-24]
o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=8318v3qm6whrb71uj5d6w2qv97q, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true} 2018-09-22 08:29:44.566
DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages
[{clientId=8318v3qm6whrb71uj5d6w2qv97q, channel=/meta/connect, id=8879, successful=true}] {quote} h1. Desired
functionality Salesforce component to continue to try reconnect *without* dropping the topic

```

10. **summary:** Camel-salesforce component drops the streaming topic

description: h1. Summary Salesforce component tries to reconnect to salesforce, if it gets disconnect. Most of the time it is succeeded. However, there is case when re-connect does not work. At that time salesforce component drops the topic which is subscribe and reconnects back. Everything looks normal again, however, no new streaming messages are received, as the component has dropped the topic. h1. Observation Here is the logs which show good reconnect. We can see that camel attempts to subscribe to topic /topic/AccountOwner {quote} 2018-09-12 02:54:23.530 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false}] 2018-09-12 02:54:23.531 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.531 WARN 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.588 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true]}] 2018-09-12 02:54:23.589 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true}] 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=p1t1717111gqk4p6eff60893qeev, advice=

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{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true}] 2018-09-22
05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]:
{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect,
id=8772, successful=true} 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper :
Refreshing subscriptions to 1 channels on reconnect 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24]
o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from `~2` for channel `/topic/AccountOwners` 2018-09-22
05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel
/topic/AccountOwners... 2018-09-22 05:26:19.013 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 :
Received messages [{channel=/meta/disconnect}, {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none,
interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.014
INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Restarting on unexpected disconnect from Salesforce...
2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper :
[CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0},
channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 WARN 1 ---
[ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice=
{reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22
05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Waiting to disconnect... 2018-09-22
05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Pausing for 1000 msecs before restart
attempt 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages
[{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773,
subscription=/topic/AccountOwners, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.043 DEBUG 1 ---
[ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]:
{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773,
subscription=/topic/AccountOwners, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.054 WARN 1 ---
[ent@2362f559-23] o.a.c.c.salesforce.SalesforceConsumer : Error subscribing to AccountOwners: 403::Unknown client.
Caused by: [org.apache.camel.component.salesforce.api.SalesforceException - Error subscribing to AccountOwners:
403::Unknown client] org.apache.camel.component.salesforce.api.SalesforceException: Error subscribing to
AccountOwners: 403::Unknown client at
org.apache.camel.component.salesforce.internal.streaming.SubscriptionHelper\$7.onMessage(SubscriptionHelper.java:404)
[camel-salesforce-2.21.1.jar!/:2.21.1] at
org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyOnMessage(AbstractClientSession.java:594)
[cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyMessageListeners(AbstractClientSession.java:579)
[cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession.notifyListeners(AbstractClientSession.java:291) [cometd-java-common-
3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.receive(AbstractClientSession.java:257) [cometd-java-common-
3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessage(BayeuxClient.java:822) [cometd-java-client-3.1.2.jar!/:na]
at org.cometd.client.BayeuxClient.processMessages(BayeuxClient.java:618) [cometd-java-client-3.1.2.jar!/:na] at
org.cometd.client.BayeuxClient.access\$3100(BayeuxClient.java:100) [cometd-java-client-3.1.2.jar!/:na] at
org.cometd.client.BayeuxClient\$MessageTransportListener.onMessages(BayeuxClient.java:1189) [cometd-java-client-
3.1.2.jar!/:na] at org.cometd.client.transport.LongPollingTransport\$2.onComplete(LongPollingTransport.java:236) [cometd-
java-client-3.1.2.jar!/:na] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:193) [jetty-
client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:185) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.terminateResponse(HttpReceiver.java:464)
[jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at


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org.eclipse.jetty.client.HttpReceiver.responseSuccess(HttpReceiver.java:410) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.messageComplete(HttpReceiverOverHTTP.java:301) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.handleContentMessage(HttpParser.java:628)
[jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseContent(HttpParser.java:1594)
[jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseNext(HttpParser.java:1442) [jetty-
http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.parse(HttpReceiverOverHTTP.java:173) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.process(HttpReceiverOverHTTP.java:134) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.receive(HttpReceiverOverHTTP.java:72) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpChannelOverHTTP.receive(HttpChannelOverHTTP.java:133) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpConnectionOverHTTP.onFillable(HttpConnectionOverHTTP.java:155) [jetty-client-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.io.AbstractConnection$ReadCallback.succeeded(AbstractConnection.java:281) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:291) [jetty-
io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection$3.succeeded(SslConnection.java:151)
[jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ChannelEndPoint$2.run(ChannelEndPoint.java:118) [jetty-io-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.doProduce(EatWhatYouKill.java:319) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.tryProduce(EatWhatYouKill.java:175) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.run(EatWhatYouKill.java:133) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.ReservedThreadExecutor$ReservedThread.run(ReservedThreadExecutor.java:366) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool.runJob(QueuedThreadPool.java:754) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool$2.run(QueuedThreadPool.java:672) [jetty-util-
9.4.9.v20180320.jar!/:9.4.9.v20180320] at java.lang.Thread.run(Thread.java:748) [na:1.8.0_171] 2018-09-22 05:26:20.070
DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{ext={replay=true,
payload.format=true}, minimumVersion=1.0, clientId=91ffa9yez0nsf71n1yganknag4o, supportedConnectionTypes=
[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true]}] 2018-09-22
05:26:20.070 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]:
{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=91ffa9yez0nsf71n1yganknag4o,
supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0,
successful=true} 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received
messages [{clientId=91ffa9yez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000},
channel=/meta/connect, id=8776, successful=true}] 2018-09-22 05:26:20.108 DEBUG 1 --- [ent@2362f559-23]
o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=91ffa9yez0nsf71n1yganknag4o, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true} 2018-09-22 05:26:20.108
INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Successfully restarted! {quote} Here are the logs afterward,
where on getting 403 error camel tries to reconnect, but does not subscribe to topic {quote} 2018-09-22 08:27:54.440 WARN
1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0},
channel=/meta/connect, id=8876, error=403::Unknown client, successful=false} 2018-09-22 08:27:54.489 DEBUG 1 ---
[ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{ext={replay=true, payload.format=true},
minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=
[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true]}] 2018-09-22
08:27:54.489 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]:
{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q,
supportedConnectionTypes=[Ljava.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0,
successful=true} 2018-09-22 08:27:54.526 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received
messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000},
channel=/meta/connect, id=8878, successful=true}] 2018-09-22 08:27:54.527 DEBUG 1 --- [ent@2362f559-24]
o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=8318v3qm6whrb71uj5d6w2qv97q, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true} 2018-09-22 08:29:44.566
DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages
[{clientId=8318v3qm6whrb71uj5d6w2qv97q, channel=/meta/connect, id=8879, successful=true}] {quote} h1. Desired
functionality Salesforce component to continue to try reconnect *without* dropping the topic

```

11. **summary:** Camel-salesforce component drops the streaming topic

description: h1. Summary Salesforce component tries to reconnect to salesforce, if it gets disconnect. Most of the time it is succeeded. However, there is case when re-connect does not work. At that time salesforce component drops the topic which is subscribe and reconnects back. Everything looks normal again, however, no new streaming messages are received, as the

component has dropped the topic. h1. Observation Here is the logs which show good reconnect. We can see that camel attempts to subscribe to topic /topic/AccountOwner {quote} 2018-09-12 02:54:23.530 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false}] 2018-09-12 02:54:23.531 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.531 WARN 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=410, error=403::Unknown client, successful=false} 2018-09-12 02:54:23.588 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true}] 2018-09-12 02:54:23.589 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=p1t1717111gqk4p6eff60893qeev, supportedConnectionTypes=[Ljava.lang.Object;@471ebac8, channel=/meta/handshake, id=411, version=1.0, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true}] 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=p1t1717111gqk4p6eff60893qeev, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=412, successful=true} 2018-09-12 02:54:23.625 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from `-2` for channel `/topic/AccountOwners` 2018-09-12 02:54:23.626 INFO 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true}] 2018-09-12 02:54:23.693 DEBUG 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]: {clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true} 2018-09-12 02:54:23.693 INFO 1 --- [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : Subscribed to channel /topic/AccountOwners 2018-09-12 02:54:25.453 DEBUG 1 --- [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages {quote} Here is the logs which shows connection fails. Camel tries to reconnect, but fails. Then camel reconnects after dropping the topic. After this incident, no new messages are received. {quote} 2018-09-22 05:26:17.121 WARN 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8770, error=403::Unknown client, successful=false} 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0, successful=true}] 2018-09-22 05:26:18.738 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=5vgmiblu8etx0q3typo6d5tgn, supportedConnectionTypes=[Ljava.lang.Object;@5814852c, channel=/meta/handshake, id=8771, version=1.0, successful=true} 2018-09-22 05:26:18.775 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true}] 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8772, successful=true} 2018-09-22 05:26:18.776 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from `-2` for channel `/topic/AccountOwners` 2018-09-22 05:26:18.776 INFO 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-22 05:26:19.013 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{channel=/meta/disconnect}, {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.014 INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Restarting on unexpected disconnect from Salesforce... 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 WARN 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=none, interval=0}, channel=/meta/connect, id=8774, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Waiting to disconnect... 2018-09-22 05:26:19.014 DEBUG 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Pausing for 1000 msec before restart attempt 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773, subscription=/topic/AccountOwners, error=403::Unknown client, successful=false}] 2018-09-22 05:26:19.043 DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]: {clientId=5vgmiblu8etx0q3typo6d5tgn, advice={reconnect=handshake, interval=0}, channel=/meta/subscribe, id=8773, subscription=/topic/AccountOwners, error=403::Unknown client, successful=false} 2018-09-22 05:26:19.054 WARN 1 --- [ent@2362f559-23] o.a.c.c.salesforce.SalesforceConsumer : Error subscribing to AccountOwners: 403::Unknown client. Caused by: [org.apache.camel.component.salesforce.api.SalesforceException - Error subscribing to AccountOwners: 403::Unknown client] org.apache.camel.component.salesforce.api.SalesforceException: Error subscribing to AccountOwners: 403::Unknown client at

org.apache.camel.component.salesforce.internal.streaming.SubscriptionHelper\$7.onMessage(SubscriptionHelper.java:404) [camel-salesforce-2.21.1.jar!/:2.21.1] at
org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyOnMessage(AbstractClientSession.java:594) [cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession\$AbstractSessionChannel.notifyMessageListeners(AbstractClientSession.java:579) [cometd-java-common-3.1.2.jar!/:na] at
org.cometd.common.AbstractClientSession.notifyListeners(AbstractClientSession.java:291) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.common.AbstractClientSession.receive(AbstractClientSession.java:257) [cometd-java-common-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessage(BayeuxClient.java:822) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.processMessages(BayeuxClient.java:618) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient.access\$3100(BayeuxClient.java:100) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.BayeuxClient\$MessageTransportListener.onMessages(BayeuxClient.java:1189) [cometd-java-client-3.1.2.jar!/:na] at org.cometd.client.transport.LongPollingTransport\$2.onComplete(LongPollingTransport.java:236) [cometd-java-client-3.1.2.jar!/:na] at org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:193) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.ResponseNotifier.notifyComplete(ResponseNotifier.java:185) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.client.HttpReceiver.terminateResponse(HttpReceiver.java:464) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.HttpReceiver.responseSuccess(HttpReceiver.java:410) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.messageComplete(HttpReceiverOverHTTP.java:301) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.handleContentMessage(HttpParser.java:628) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseContent(HttpParser.java:1594) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.http.HttpParser.parseNext(HttpParser.java:1442) [jetty-http-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.parse(HttpReceiverOverHTTP.java:173) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.process(HttpReceiverOverHTTP.java:134) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpReceiverOverHTTP.receive(HttpReceiverOverHTTP.java:72) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpChannelOverHTTP.receive(HttpChannelOverHTTP.java:133) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.client.http.HttpConnectionOverHTTP.onFillable(HttpConnectionOverHTTP.java:155) [jetty-client-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.io.AbstractConnection\$ReadCallback.succeeded(AbstractConnection.java:281) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection.onFillable(SslConnection.java:291) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ssl.SslConnection\$3.succeeded(SslConnection.java:151) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.FillInterest.fillable(FillInterest.java:102) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at org.eclipse.jetty.io.ChannelEndPoint\$2.run(ChannelEndPoint.java:118) [jetty-io-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.doProduce(EatWhatYouKill.java:319) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.tryProduce(EatWhatYouKill.java:175) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.strategy.EatWhatYouKill.run(EatWhatYouKill.java:133) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.ReservedThreadExecutor\$ReservedThread.run(ReservedThreadExecutor.java:366) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool.runJob(QueuedThreadPool.java:754) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at
org.eclipse.jetty.util.thread.QueuedThreadPool\$2.run(QueuedThreadPool.java:672) [jetty-util-9.4.9.v20180320.jar!/:9.4.9.v20180320] at java.lang.Thread.run(Thread.java:748) [na:1.8.0_171] 2018-09-22 05:26:20.070
DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=91ffa9yez0nsf71n1yganknag4o, supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true}] 2018-09-22 05:26:20.070
DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]: {ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=91ffa9yez0nsf71n1yganknag4o, supportedConnectionTypes=[Ljava.lang.Object;@249260ff, channel=/meta/handshake, id=8775, version=1.0, successful=true} 2018-09-22 05:26:20.108
DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [{clientId=91ffa9yez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true}] 2018-09-22 05:26:20.108
DEBUG 1 --- [ent@2362f559-23] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=91ffa9yez0nsf71n1yganknag4o, advice={reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8776, successful=true} 2018-09-22 05:26:20.108
INFO 1 --- [ent@2362f559-22] o.a.c.c.s.i.s.SubscriptionHelper : Successfully restarted! {quote} Here are the logs afterward, where on getting 403 error camel tries to reconnect, but does not subscribe to topic {quote} 2018-09-22 08:27:54.440
WARN 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Connect failure: {advice={reconnect=handshake, interval=0}, channel=/meta/connect, id=8876, error=403::Unknown client, successful=false} 2018-09-22 08:27:54.489
DEBUG 1 ---

```
[ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages [{ext={replay=true, payload.format=true},
minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q, supportedConnectionTypes=
[L.java.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0, successful=true}] 2018-09-22
08:27:54.489 DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_HANDSHAKE]:
{ext={replay=true, payload.format=true}, minimumVersion=1.0, clientId=8318v3qm6whrb71uj5d6w2qv97q,
supportedConnectionTypes=[L.java.lang.Object;@1b0b2091, channel=/meta/handshake, id=8877, version=1.0,
successful=true}] 2018-09-22 08:27:54.526 DEBUG 1 --- [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received
messages [{clientId=8318v3qm6whrb71uj5d6w2qv97q, advice={reconnect=retry, interval=0, timeout=110000},
channel=/meta/connect, id=8878, successful=true}] 2018-09-22 08:27:54.527 DEBUG 1 --- [ent@2362f559-24]
o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_CONNECT]: {clientId=8318v3qm6whrb71uj5d6w2qv97q, advice=
{reconnect=retry, interval=0, timeout=110000}, channel=/meta/connect, id=8878, successful=true} 2018-09-22 08:29:44.566
DEBUG 1 --- [ent@2362f559-19] o.a.c.c.s.i.s.SubscriptionHelper$5 : Received messages
[{clientId=8318v3qm6whrb71uj5d6w2qv97q, channel=/meta/connect, id=8879, successful=true}] {quote} h1. Desired
functionality Salesforce component to continue to try reconnect *without* dropping the topic
```

jira_issues_comments:

- [~hemangajmera] can you explain what do you mean by dropping a topic?
- There are three set logs # Camel reconnection before it dropped # Camel error after which it could not reconnect # Camel reconnection after the error in log 2 If we compare the logs in section 1 and section 3, there is difference in reconnection. In the first set of logs (good re-connection) I can see 2018-09-12 02:54:23.625 DEBUG 1 â€” [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-12 02:54:23.626 INFO 1 â€” [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from `2` for channel `/topic/AccountOwners` 2018-09-12 02:54:23.626 INFO 1 â€” [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : *Subscribing to channel /topic/AccountOwners*... This is missing in last sets of logs. Camel is reconnecting to salesforce, but not subscriing to channel. However when we restart, it starts working fine.
- body:** One more point I have just extracted relevant part of logs... For e.g. every 2-3 hours camel gets disconnection, so the first type of logs is seen every 2-3 hours. Then there was issue (2nd type of log). After that 3rd type of log is seen to be repeating every 2-3 hours.
label: code-design
- [~hemangajmera] can you please explain what do you mean by "it dropped", *what dropped what*? In the logs you provided I can see: *The first log:* {code} 2018-09-12 02:54:23.625 DEBUG 1 â€” [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-12 02:54:23.626 INFO 1 â€” [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from `2` for channel `/topic/AccountOwners` 2018-09-12 02:54:23.626 INFO 1 â€” [ent@2362f559-20] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-12 02:54:23.693 DEBUG 1 â€” [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [Unknown macro: {clientId=p1t1717111gqk4p6eff60893qeev, channel=/meta/subscribe, id=413, subscription=/topic/AccountOwners, successful=true}] 2018-09-12 02:54:23.693 DEBUG 1 â€” [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : [CHANNEL:META_SUBSCRIBE]: 2018-09-12 02:54:23.693 INFO 1 â€” [ent@2362f559-21] o.a.c.c.s.i.s.SubscriptionHelper : Subscribed to channel /topic/AccountOwners {code} *And the second log:* {code} 2018-09-22 05:26:18.776 DEBUG 1 â€” [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Refreshing subscriptions to 1 channels on reconnect 2018-09-22 05:26:18.776 INFO 1 â€” [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Set Replay extension to replay from `2` for channel `/topic/AccountOwners` 2018-09-22 05:26:18.776 INFO 1 â€” [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper : Subscribing to channel /topic/AccountOwners... 2018-09-22 05:26:19.013 DEBUG 1 â€” [ent@2362f559-24] o.a.c.c.s.i.s.SubscriptionHelper\$5 : Received messages [Unknown macro: {channel=/meta/disconnect} , {clientId=5vgmiblu8etx0q3typo6d5tgn, advice= Unknown macro: {reconnect=none, interval=0} , channel=/meta/connect, id=8774, error=403::Unknown client, successful=false}] {code} The only difference here is that Salesforce replied with an error: *{{error=403::Unknown client, successful=false}}*. Can you explain why Salesforce issued a *403* error, this would help me reproduce the issue? Are you saying that after Salesforce reports a *403* error that *the topic subscription is not performed on re-connect*?
- Hi # From salesforce we get 403 error every 2-3 hours. We currently do not know the reason, and we are trying to seek help for sf. # In log one, upon 403 error, camel was able to reconnect back to salesforce. After that it was able to subscribed to the topic. This is repeated every 2-3 hours # As you rightly said, something went wrong during log 2, and camel was not able to subscribe to salesforce # In log three, camel tried to log in again to salesforce, but this time camel is not trying to subscribe the topic at all. # So my question here is why is camel to trying to subscribe again after failure in log 2? Shouldn't it try to come out of error? # If I restart camel code, everything just works fine # I think when we get error in log 2, camel maintains list of topics and replay id to be connected to salesforce. From that list this topic is removed. Thus in all future tried, camel does not have any topic to connect. What we should fix is that camel should continue to try to connect to topic and not drop it.
- Hi [~zregvart] & [~cibsen@e-ma.net] Any thoughts on this issue? I think camel got error which subscribing topic after successful handshake. After that camel stopped subscribing the topic. Can we add retry logic?
- [~hemangajmera] I've made the change on my [github fork](https://github.com/zregvart/camel/tree/CAMEL-12871), but I'm struggling to create a test or to validate this in any other way.
- Hi Is it possible for you to send me compiled jar file for this component. I will try to use your jar instead of original the keep it running for couple of days to see how it behaves.
- Fix is targeted to be released in 3.7.1 and 3.8.0, in the interim I would appreciate anyone trying this out in their environment and reporting any issues so we get them fixed.