

Hello,
I tried solution with tSOAP component. But it looks like the problem that I need correct configuration of security certificate.
I downloaded Self-Signed certificate (*key size = 2048*) from Salesforce and imported to my local key store:
keytool -import -noprompt -trustcacerts -alias sfcert -file D:\Talend\configuration\talend_cert1.crt -storetype jks -keystore sfkeystore.jks -storepass sfkeystore
keytool -list -keystore sfkeystore.jks

Keystore type: JKS

Keystore provider: SUN

Your keystore contains 1 entry

sfcert, Dec 23, 2014, trustedCertEntry,

Certificate fingerprint (SHA1): 13:C0:C6:8B:A0 5:4C:B2:45:2E:5F:F2:3C:1E:0B 2:39:CE:08:B0

So, it looks like certificate is configured correctly.

But as a result I always get SSLHandshakeException:

Dec 24, 2014 4:19:25 PM com.sun.xml.internal.messaging.saaj.client.p2p.HttpSOAPConnection post

SEVERE: SAAJ0009: Message send failed

Exception in component tSOAP_1

com.sun.xml.internal.messaging.saaj.SOAPEXceptionImpl: com.sun.xml.internal.messaging.saaj.SOAPEXceptionImpl: Message send failed

at com.sun.xml.internal.messaging.saaj.client.p2p.HttpSOAPConnection.call(Unknown Source)

at org.talend.soap.SOAPUtil.extractContentAsDocument(SOAPUtil.java:220)

at etac_mapping_rules.testsalesforceintegration_0_1.TestSalesforceIntegration.tFixedFlowInput_1Process(TestSalesforceIntegration.java:1195)

at etac_mapping_rules.testsalesforceintegration_0_1.TestSalesforceIntegration.tSetKeystore_1Process(TestSalesforceIntegration.java:403)

at etac_mapping_rules.testsalesforceintegration_0_1.TestSalesforceIntegration.runJobInTOS(TestSalesforceIntegration.java:1598)

at etac_mapping_rules.testsalesforceintegration_0_1.TestSalesforceIntegration.main(TestSalesforceIntegration.java:1457)

Caused by: com.sun.xml.internal.messaging.saaj.SOAPEXceptionImpl: Message send failed

at com.sun.xml.internal.messaging.saaj.client.p2p.HttpSOAPConnection.post(Unknown Source)

... 6 more

Caused by: javax.net.ssl.SSLHandshakeException: sun.security.validator.ValidatorException: PKIX path building failed: sun.security.provider.certpath.SunCertPathBuilderException: unable to find valid certification path to requested target

at sun.security.ssl.Alerts.getSSLException(Unknown Source)

at sun.security.ssl.SSLSocketImpl.fatal(Unknown Source)

at sun.security.ssl.Handshaker.fatalSE(Unknown Source)

at sun.security.ssl.Handshaker.fatalSE(Unknown Source)

at sun.security.ssl.ClientHandshaker.serverCertificate(Unknown Source)

at sun.security.ssl.ClientHandshaker.processMessage(Unknown Source)

at sun.security.ssl.Handshaker.processLoop(Unknown Source)

at sun.security.ssl.Handshaker.process_record(Unknown Source)

at sun.security.ssl.SSLSocketImpl.readRecord(Unknown Source)

at sun.security.ssl.SSLSocketImpl.performInitialHandshake(Unknown Source)

at sun.security.ssl.SSLSocketImpl.startHandshake(Unknown Source)

at sun.security.ssl.SSLSocketImpl.startHandshake(Unknown Source)

at sun.net.www.protocol.https.HttpsClient.afterConnect(Unknown Source)

at sun.net.www.protocol.https.AbstractDelegateHttpsURLConnection.connect(Unknown Source)

at sun.net.www.protocol.http.HttpURLConnection.getOutputStream(Unknown Source)

at com.sun.net.ssl.internal.www.protocol.https.HttpsURLConnectionOldImpl.getOutputStream(Unknown Source)

... 7 more

Caused by: sun.security.validator.ValidatorException: PKIX path building failed: sun.security.provider.certpath.SunCertPathBuilderException: unable to find valid certification path to requested target

at sun.security.validator.PKIXValidator.doBuild(Unknown Source)

at sun.security.validator.PKIXValidator.engineValidate(Unknown Source)

at sun.security.validator.Validator.validate(Unknown Source)

at sun.security.ssl.X509TrustManagerImpl.validate(Unknown Source)

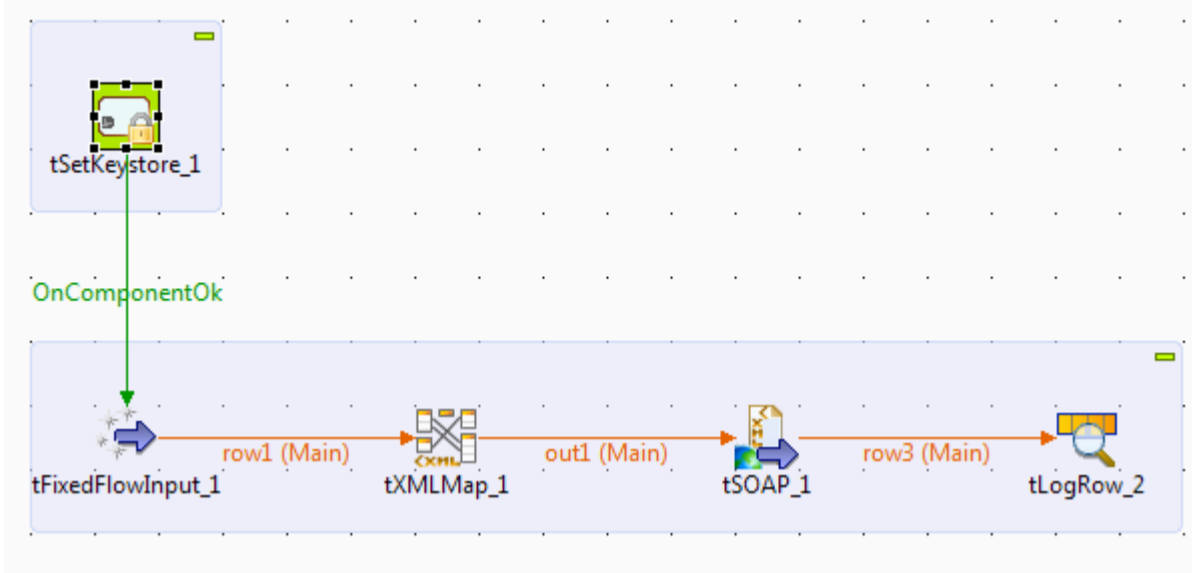
at sun.security.ssl.X509TrustManagerImpl.checkTrusted(Unknown Source)

at sun.security.ssl.X509TrustManagerImpl.checkServerTrusted(Unknown Source)

... 19 more

Caused by: sun.security.provider.certpath.SunCertPathBuilderException: unable to find valid certification path to requested target
at sun.security.provider.certpath.SunCertPathBuilder.engineBuild(Unknown Source)
at java.security.cert.CertPathBuilder.build(Unknown Source)
... 25 more

Please see my job's screenshots in the attachment (I tried with tSetKeystore and without, also I tried tESB component but with the same result)
(For sure, I investigated similar posts but unfortunately didn't find the answer. It works in SOAP UI without any certificates but in Talend doesn't)



tFixedFlowInput_1

Schema: Built-In Edit schema

Basic settings

Advanced settings: Number of rows: 1

Dynamic settings

View

Documentation

Mode: Use Single Table

Values

Column	Value
userName	"[REDACTED]"
password	"[REDACTED]"

tSetKeystore_1

Basic settings: TrustStore type: JKS

Advanced settings: TrustStore file: "D:/Talend/configuration/sfkeystore.jks"

Dynamic settings: TrustStore password: [REDACTED]

View

Documentation

Need Client authentication

Check server identity

tSOAP_1

Schema: Built-In Edit schema Sync columns

Advanced settings: Use NTLM

Dynamic settings: Need authentication?

View

Documentation

Use http proxy

Trust server with SSL

ENDPOINT: "https://eu5.salesforce.com/services/Soap/c/32.0"

SOAP Action: "login"

SOAP Version: SOAP 1.1

Use a message from the schema

SOAP Message: Body

Output in Document

Talend Open Studio for Data Integration - tXMLMap - tXMLMap_1

Find:
 Var

Auto Map

main :row1

Column
userName
password

out1

Expression	Column
	Header
	Body
	root (loop)
	xmlns:urn (Default Value :urn:enterprise.soap.sforce.com)
row1.userName	urn:username
row1.password	urn:password
	Fault

Schema editor Tree schema editor Expression editor

row1

Column	Key	Type	<input checked="" type="checkbox"/>	N..	Date Pattern (Ct...	Length	Precision	Default	Comment
userName	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
password	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					

Column	Key	Type	<input checked="" type="checkbox"/>	N..	Date Pattern (Ct...	Length	Precision	Default	Comment
Header	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			0		
Body	<input type="checkbox"/>	Docum...	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			0		
Fault	<input type="checkbox"/>	String	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			0		