TIBCO API Exchange Gateway

**SSL User Guide**

Version 1.0

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| **Date** | 16 July 2015 |  |  |

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# Document Overview

## Document Purpose

This document is intended to provide guideline on setting up TIBCO APIs with SSL. As a pre-requisite,

It is required to have TIBCO API Gateway installed and configured successfully as per the product installation document.

It is assumed that the user is familiar with basic setup for API in Gateway.

## References

Use this section to fill-in reference documents used

|  |  |
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| ***Document#*** | ***Document Title*** |
|  |  |
|  |  |

## Definitions, Acronyms and Abbreviations

Use this section to fill-in definitions of acronyms & abbreviations used in this document

|  |  |
| --- | --- |
| ***Term, Acronym*** | ***Definition*** |
|  |  |
|  |  |

# TIBCO APIX Gateway Configuration

## DSS properties file setup

1. Create a properties file with the following entries in it (copy paste the below highlighted entries and edit the values – if required). Name the file as dss.properties (can choose any name)

*com.tibco.trinity.runtime.core.provider.identity.trust.trustStoreServiceProvider=class:com.tibco.trinity.runtime.core.provider.credential.keystore*

*com.tibco.trinity.runtime.core.provider.credential.keystore.truststore.keyStoreType=JKS*

*com.tibco.trinity.runtime.core.provider.credential.keystore.truststore.keyStoreRefreshInterval=60000*

*com.tibco.trinity.runtime.core.provider.credential.keystore.truststore.keyStoreLocation=keystores/cacerts1.jks*

*com.tibco.trinity.runtime.core.provider.credential.keystore.truststore.keyStorePassword=#!mQc9vqlZyJgReh+zEF3xVSPLwLz4B66M+UWfLiPMmPw=*

|  |  |  |
| --- | --- | --- |
| trustStoreServiceProvider | class:com.tibco.trinity.runtime.core.provider.credential.keystore | do not change this value |
| keyStoreType | JKS |  |
| keyStoreRefreshInterval | 60000 |  |
| keyStoreLocation | keystores/cacerts1.jks | Location where jks is stored.  • Typically stored under  <<ASG\_CONFIG\_HOME>>/<<projectname>>/wss/keystores  eg: C:\ProgramData\TIBCO\tibco\cfgmgmt\asg\tempSSL\wss\keystores |
| keyStorePassword | #!mQc9vqlZyJgReh+zEF3xVSPLwLz4B66M+UWfLiPMmPw= | obfuscted password of keystore |

Figure 2.1

*\*Refer Appendix A. On how to create cacerts1.jks that includes server certificate in it.*

*\*Refer Appendix A. How to obfuscate password.using asg obfuscator tool*

## Gateway Configuration

1. Create a Project in Gateway ConfigUI.
2. Create a Façade operation (No extra setup here)
3. Create Target Operation with following configuration

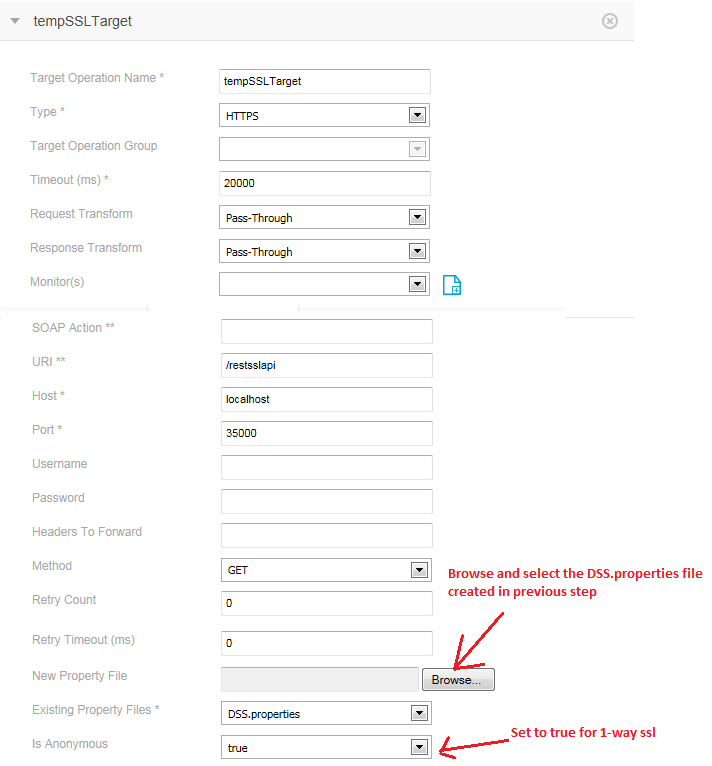


Figure 2.2

1. Create Routing
2. Provide Façade access to the appropriate partner.

# Appendix A – Keystore creation

1. Run the keytool command to create a keystore and import the server certificate into it.

C:\tibco\bw6\tibcojre64\1.7.0\bin\keytool -import -trustcacerts -alias dss -file VMS.cer -keystore cacerts1.jks

This command will prompt to set a password for the keystore.

1. Once the password is set, obfuscate the password using the command (here in the below command “changeit” is the password)

C:\tibco\asg\2.1\bin>asg-password-obfuscator changeit

# Appendix B – Change Log

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Version Number*** | ***Changes Made*** | | | |
| V1.0 | Initial baseline created on 16 July 2015 | | | |
| Vx.y |  | | | |
| **Section No.** | **Changed By** | **Effective Date** | **Changes Effected** |
|  |  |  |  |
| Vx.y |  | | | |
| **Section No.** | **Changed By** | **Effective Date** | **Changes Effected** |
|  |  |  |  |
| Vx.y |  | | | |
| **Section No.** | **Changed By** | **Effective Date** | **Changes Effected** |
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