Import CloudCenter Certificate into Jenkins Java Keystore

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Introduction

This document describes how to import CloudCenter Certificate into Jenkins java keystore.

Contributed by Deepak Sukhiya, Cisco TAC Engineer.

Application Version

 CloudCenter Manager 4.0 / 4.2.x /4.4.x /4.5.x / 4.6.x/ 4.7.x / 4.8.0

Problem

How to import CloudCenter Certificate into Jenkins java keystore

or

Validate connection from the **Project > Configure** menu fails with this error in the jenkins log:

```
Building in workspace /var/lib/jenkins/workspace/C3-Cent7
ERROR: Build step failed with exception
javax.ws.rs.ProcessingException: 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 org.glassfish.jersey.client.HttpUrlConnector.apply(HttpUrlConnector.java:229)
at org.glassfish.jersey.client.ClientRuntime.invoke(ClientRuntime.java:224)
at org.glassfish.jersey.client.JerseyInvocation$1.call(JerseyInvocation.java:656)
at org.glassfish.jersey.client.JerseyInvocation$1.call(JerseyInvocation.java:653)
at org.glassfish.jersey.internal.Errors.process(Errors.java:315)
at org.glassfish.jersey.internal.Errors.process(Errors.java:297)
at org.glassfish.jersey.internal.Errors.process(Errors.java:228)
at org.glassfish.jersey.process.internal.RequestScope.runInScope(RequestScope.java:424)
at org.glassfish.jersey.client.JerseyInvocation.invoke(JerseyInvocation.java:653)
at org.glassfish.jersey.client.JerseyInvocation$Builder.method(JerseyInvocation.java:388)
at org.glassfish.jersey.client.JerseyInvocation$Builder.get(JerseyInvocation.java:292)
at cliqr.jenkins.plugin.CliQrJenkinsClient.RestUtils.getAppDetails(RestUtils.java:156)
at
cliqr.jenkins.plugin.CliQrJenkinsClient.CliQrJenkinsClientBuilder.perform(CliQrJenkinsClientBuil
der.java:243)
at hudson.tasks.BuildStepMonitor$1.perform(BuildStepMonitor.java:20)
at hudson.model.AbstractBuild$AbstractBuildExecution.perform(AbstractBuild.java:779)
at hudson.model.Build$BuildExecution.build(Build.java:205)
at hudson.model.Build$BuildExecution.doRun(Build.java:162)
```

```
at hudson.model.AbstractBuild$AbstractBuildExecution.run(AbstractBuild.java:534)
at hudson.model.Run.execute(Run.java:1728)
at hudson.model.FreeStyleBuild.run(FreeStyleBuild.java:43)
at hudson.model.ResourceController.execute(ResourceController.java:98)
at hudson.model.Executor.run(Executor.java:404)
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(Alerts.java:192)
```

Solution

1. Login to CloudCenter Manager (CCM) machine via Firefox.
2. View the CloudCenter certificate with the use of the padlock icon on browser and save it.
3. Copy the save the certificate to the Jenkins machine.
4. Login to Jenkins machine via Secure Shell (SSH).
5. Run this command on Jenkins machine: **keytool -import -trustcacerts -alias example -keystore <Replace the path to the java path>/jre/lib/security/cacerts -file <location of saved certificate file>.**
6. The authentication of the CloudCenter will validate properly.