

## Infrastructure - Story #8101

### Openjdk 1.7.0\_131 upgrade breaks d1\_libclient\_java

2017-05-25 21:44 - Jing Tao

<b>Status:</b>	Closed	<b>Start date:</b>	2017-05-25
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jing Tao	<b>% Done:</b>	100%
<b>Category:</b>	Support Operations	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	CCI-2.3.7		
<b>Story Points:</b>			

#### Description

I had a piece of java client code which talked with CNs and it worked. However, it stopped working on the second day. I didn't change anything in my code. The error message was the cn list hasn't been initialized.

I turned on the ssl debug and saw the error message:

```
[junit] main, handling exception: java.security.ProviderException: java.security.InvalidKeyException: EC parameters error
[junit] %% Invalidated: [Session-1, TLS_ECDHE_RSA_WITH_AES_128_CBC_SHA]
[junit] main, SEND TLSv1.2 ALERT: fatal, description = internal_error
[junit] main, WRITE: TLSv1.2 Alert, length = 2
[junit] [Raw write]: length = 7
[junit] 0000: 15 03 03 00 02 02 50          .....P
[junit] main, called closeSocket()
[junit] @build.context@ 20170519-11:52:15: [DEBUG]: http-outgoing-0: Shutdown connection
```

It wasn't very helpful.

I also wrote a simple version of the client code. It seems the d1\_libclient\_java couldn't talk with any server. But this time the error message made more sense:

```
[junit] Caused by: java.security.InvalidKeyException: EC parameters error
[junit]   at sun.security.ec.ECParameters.getAlgorithmParameters(ECParameters.java:284)
[junit]   at sun.security.ec.ECPublicKeyImpl.(ECPublicKeyImpl.java:59)
[junit]   at sun.security.pkcs11.P11Key$P11ECPublicKey.getEncodedInternal(P11Key.java:1021)
[junit]   ... 52 more
[junit] Caused by: java.security.NoSuchProviderException: no such provider: SunEC
[junit]   at sun.security.jca.GetInstance.getService(GetInstance.java:83)
[junit]   at sun.security.jca.GetInstance.getInstance(GetInstance.java:206)
[junit]   at java.security.Security.getImpl(Security.java:697)
[junit]   at java.security.AlgorithmParameters.getInstance(AlgorithmParameters.java:199)
[junit]   at sun.security.ec.ECParameters.getAlgorithmParameters(ECParameters.java:279)
[junit]   ... 54 more
```

#### History

##### #1 - 2017-05-25 21:50 - Jing Tao

- Status changed from New to In Progress

- % Done changed from 0 to 30

After search online, I found this is caused by the missing of the sunec.jar file. It is weird that previous versions don't need it (it doesn't exist in the previous version) but the 131 version needs this jar file.

I copied the sunec.jar from the oracle jdk 1.7.0\_80/jre/lib/ext to the openjdk-7/jre/lib/ext. The error is gone.

I have done the copy on member nodes on dev, sandbox and production env. I need to do more.

##### #2 - 2017-06-27 16:39 - Dave Vieglais

- Target version set to CCI-2.3.6

**#3 - 2017-10-30 19:09 - Jing Tao**

- Target version changed from CCI-2.3.6 to CCI-2.3.7

**#4 - 2017-10-31 17:45 - Dave Vieglais**

- Status changed from In Progress to Closed

- % Done changed from 30 to 100

**#5 - 2017-12-26 18:20 - Dave Vieglais**

- Sprint set to CCI-2.3.7