

## Installer - Bug #37384

### During upgrade to Katello 4.11 issues are seen with Candlepin keystore

04/25/2024 08:00 AM - Evgeni Golov

<b>Status:</b>	Closed	
<b>Priority:</b>	High	
<b>Assignee:</b>	Evgeni Golov	
<b>Category:</b>	Foreman modules	
<b>Target version:</b>	3.9.3	
<b>Difficulty:</b>		<b>Fixed in Releases:</b> 3.11.0, 3.9.3
<b>Triaged:</b>	No	<b>Found in Releases:</b>
<b>Bugzilla link:</b>	2277005	<b>Red Hat JIRA:</b>
<b>Pull request:</b>	<a href="https://github.com/theforeman/puppet-certs/pull/444">https://github.com/theforeman/puppet-certs/pull/444</a> , <a href="https://github.com/theforeman/puppet-certs/pull/445">https://github.com/theforeman/puppet-certs/pull/445</a> , <a href="https://github.com/theforeman/puppet-certs/pull/446">https://github.com/theforeman/puppet-certs/pull/446</a> , <a href="https://github.com/theforeman/foreman-installer/pull/931">https://github.com/theforeman/foreman-installer/pull/931</a> , <a href="https://github.com/theforeman/foreman-installer/pull/932">https://github.com/theforeman/foreman-installer/pull/932</a>	

#### Description

Cloned from [https://bugzilla.redhat.com/show\\_bug.cgi?id=2277005](https://bugzilla.redhat.com/show_bug.cgi?id=2277005)

When upgrading to Katello 4.11 in a FIPS enabled environment we are seeing issues related to regenerating and reimporting the candlepin-ca;

```
2024-04-24 11:22:55 [ERROR ] [configure] /Stage[main]/Certs::Candlepin/Truststore_certificate[/etc/candlepin/certs/truststore:candlepin-ca]/ensure: change from 'absent' to 'present' failed: Execution of '/bin/keytool -import -v -noprompt -storetype pkcs12 -keystore /etc/candlepin/certs/truststore -alias candlepin-ca -file /etc/candlepin/certs/candlepin-ca.crt -storepass:file /etc/pki/katello/truststore_password-file -J-Dcom.redhat.fips=false' returned 1: keytool error: java.io.IOException: keystore password was incorrect
2024-04-24 11:22:55 [ERROR ] [configure] java.io.IOException: keystore password was incorrect
2024-04-24 11:22:55 [ERROR ] [configure] at sun.security.pkcs12.PKCS12KeyStore.engineLoad(PKCS12KeyStore.java:2089)
2024-04-24 11:22:55 [ERROR ] [configure] at java.security.KeyStore.load(KeyStore.java:1445)
2024-04-24 11:22:55 [ERROR ] [configure] at sun.security.tools.keytool.Main.doCommands(Main.java:839)
2024-04-24 11:22:55 [ERROR ] [configure] at sun.security.tools.keytool.Main.run(Main.java:380)
2024-04-24 11:22:55 [ERROR ] [configure] at sun.security.tools.keytool.Main.main(Main.java:373)
2024-04-24 11:22:55 [ERROR ] [configure] Caused by: java.security.UnrecoverableKeyException: failed to decrypt safe contents entry: javax.crypto.BadPaddingException: Given final block not properly padded. Such issues can arise if a bad key is used during decryption.
```

#### Associated revisions

##### Revision b9667a02 - 04/25/2024 08:48 AM - Evgeni Golov

Fixes #37384 - properly pass fips=false when checking keystore

In a FIPS-enabled environment, calling `keytool -list` with a wrong password doesn't yield an error, unless we also pass `fips=false` like we do when creating the keystore:

1. `keytool -list -keystore ./store -storepass wrong-password`  
Keystore type: PKCS11  
Keystore provider: SunPKCS11-NSS-FIPS

Your keystore contains 0 entries

Passing `fips=false` makes it correctly raise the expected exception:

```
1. keytool -list -keystore ./store -storepass wrong-password -J-Dcom.redhat.fips=false
keytool error: java.io.IOException: keystore password was incorrect
```

Fixes: 6fea0bbb4143ca439cff01bf9f0e54cf88140d10

## History

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### #1 - 04/25/2024 08:02 AM - Evgeni Golov

- Subject changed from *During upgrade to Katello 4.11 issues are seen with Candlepin keystore* to *During upgrade to Katello 4.11 issues are seen with Candlepin keystore*
- Category set to *Foreman modules*

### #2 - 04/25/2024 08:08 AM - The Foreman Bot

- Status changed from *New* to *Ready For Testing*
- Pull request <https://github.com/theforeman/puppet-certs/pull/444> added

### #3 - 04/25/2024 08:19 AM - Evgeni Golov

- Description updated

### #4 - 04/25/2024 08:48 AM - The Foreman Bot

- Fixed in *Releases 3.11.0* added

### #5 - 04/25/2024 08:57 AM - The Foreman Bot

- Pull request <https://github.com/theforeman/puppet-certs/pull/445> added

### #6 - 04/25/2024 08:59 AM - The Foreman Bot

- Pull request <https://github.com/theforeman/puppet-certs/pull/446> added

### #7 - 04/25/2024 09:00 AM - Evgeni Golov

- Status changed from *Ready For Testing* to *Closed*

Applied in changeset [puppet-certs|b9667a02bebf6cce0b96fbd631ce34fb27c325ec](#).

### #8 - 04/25/2024 09:36 AM - Evgeni Golov

- Target version set to *3.9.3*

### #9 - 04/26/2024 06:46 AM - The Foreman Bot

- Pull request <https://github.com/theforeman/foreman-installer/pull/931> added

### #10 - 04/26/2024 06:48 AM - The Foreman Bot

- Pull request <https://github.com/theforeman/foreman-installer/pull/932> added

### #11 - 04/26/2024 02:22 PM - Griffin Sullivan

- Fixed in *Releases 3.9.3* added