

Open eCard - Bug #406

NullPointerException at start of rich client while doing CardRecognition

10/05/2015 01:27 PM - Patrik Schwieger

| | | | |
|------------------------|-------------|------------------------|---|
| Status: | Rejected | Start date: | 10/05/2015 |
| Priority: | High | Due date: | |
| Assignee: | Tobias Wich | % Done: | 0% |
| Category: | | Estimated time: | 0.00 hour |
| Target version: | 1.2.0 | Build Version: | 1.1.1-20150724-0916 and 1.1.0-SNAPSHOT-20150129-1515 |
| Reviewer: | | | |

Description

The start of rich client Fails directly.
The build 1.1.1-20150724-0916 tells me in Dialog window

```
Die Anwendung konnte nicht gestartet werden
```

```
null
```

The logfile Show a NullPointerException as root cause

```
2015-10-05 13:12:14,434 [main] INFO o.o.richclient.LogbackConfig:70 - Configured Logback with con
fig file from: C:\Users\Administrator\.openecard\richclient_logback.xml
2015-10-05 13:12:14,451 [main] WARN org.openecard.common.I18n:152 - Failed to load resource ifd f
or lang C.
2015-10-05 13:12:14,451 [main] WARN org.openecard.common.I18n:152 - Failed to load resource ifd f
or lang de.
2015-10-05 13:12:14,452 [main] WARN org.openecard.common.I18n:152 - Failed to load resource ifd f
or lang de_DE.
2015-10-05 13:12:14,452 [main] WARN org.openecard.common.I18n:152 - Failed to load resource sal f
or lang C.
2015-10-05 13:12:14,453 [main] WARN org.openecard.common.I18n:152 - Failed to load resource sal f
or lang de.
2015-10-05 13:12:14,453 [main] WARN org.openecard.common.I18n:152 - Failed to load resource sal f
or lang de_DE.
2015-10-05 13:12:14,456 [main] WARN org.openecard.common.I18n:152 - Failed to load resource richc
lient for lang de_DE.
2015-10-05 13:12:14,567 [main] WARN org.openecard.common.I18n:152 - Failed to load resource addon
for lang de_DE.
2015-10-05 13:12:15,013 [main] WARN org.openecard.common.I18n:152 - Failed to load resource recog
nition for lang de_DE.
2015-10-05 13:12:15,025 [main] ERROR org.openecard.richclient.RichClient:193 - null
java.lang.NullPointerException: null
    at java.util.Properties$LineReader.readLine(Unknown Source) ~[na:1.7.0_80]
    at java.util.Properties.load0(Unknown Source) ~[na:1.7.0_80]
    at java.util.Properties.load(Unknown Source) ~[na:1.7.0_80]
    at org.openecard.recognition.CardRecognition.<init>(CardRecognition.java:119) ~[richclient-1.1
.1-20150724-0916.jar:na]
    at org.openecard.recognition.CardRecognition.<init>(CardRecognition.java:111) ~[richclient-1.1
.1-20150724-0916.jar:na]
    at org.openecard.richclient.RichClient.setup(RichClient.java:150) [richclient-1.1.1-20150724-0
916.jar:na]
    at org.openecard.richclient.RichClient.main(RichClient.java:105) [richclient-1.1.1-20150724-09
16.jar:na]
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[na:1.7.0_80]
    at sun.reflect.NativeMethodAccessorImpl.invoke(Unknown Source) ~[na:1.7.0_80]
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(Unknown Source) ~[na:1.7.0_80]
    at java.lang.reflect.Method.invoke(Unknown Source) ~[na:1.7.0_80]
    at org.openecard.versioncheck.MainLoader.main(MainLoader.java:70) [richclient-1.1.1-20150724-0
916.jar:na]
2015-10-05 13:12:17,796 [main] ERROR org.openecard.richclient.RichClient:238 - Failed to stop Rich
```

```
client.  
java.lang.NullPointerException: null  
    at org.openecard.richclient.RichClient.teardown(RichClient.java:220) [richclient-1.1.1-20150724-0916.jar:na]  
    at org.openecard.richclient.RichClient.setup(RichClient.java:203) [richclient-1.1.1-20150724-0916.jar:na]  
    at org.openecard.richclient.RichClient.main(RichClient.java:105) [richclient-1.1.1-20150724-0916.jar:na]  
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) ~[na:1.7.0_80]  
    at sun.reflect.NativeMethodAccessorImpl.invoke(Unknown Source) ~[na:1.7.0_80]  
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(Unknown Source) ~[na:1.7.0_80]  
    at java.lang.reflect.Method.invoke(Unknown Source) ~[na:1.7.0_80]  
    at org.openecard.versioncheck.MainLoader.main(MainLoader.java:70) [richclient-1.1.1-20150724-0916.jar:na]
```

The same NPE I get with old build 1.1.0-SNAPSHOT-20150129-1515 while the much more older Version 1.1.0-rc5 ist working fine

History

#1 - 10/06/2015 09:58 AM - Tobias Wich

- Status changed from New to Feedback
- Assignee set to Tobias Wich
- Priority changed from Normal to High
- Target version set to 1.2.0

Can you give some more information about the environment you are running the app in. Did you use the bundled-jar-cifs build profile? Because otherwise the config files and the cifs you get the NPE for are missing.

#2 - 10/06/2015 10:24 AM - Patrik Schwieger

I downloaded the single JAR file (richclient-1.1.1-20150724-0916.jar) only, mentioned in JNPL file: <http://jnlp.openecard.org/openecard.jnlp> because this was working in past and I'm doing my tests in some restricted environment and I'm using the Client as offline stand alone version.

```
<!-- <jar href="OpeneCardApp.jar" version="1.1.1-20150724-0916" main="true" />-->    ---> this line is commented out  
<jar href="richclient-1.1.1-20150724-0916.jar" main="true" />  
<jar href="cifs-1.1.1-20150724-0916.jar" download="lazy" />
```

Edit:

If I need both JAR files richclient & cifs during runtime now, I understand the problem, but need a stand alone ~ version, as any (CIFS) access to outside is blocked.

Nevertheless the NPE should be caught and a proper error message should be displayed (e.g. "missing resources, wrong client code started,"). Sometime that indicates, that the downloaded client can not run and another package is required.

#3 - 10/06/2015 11:48 AM - Hans-Martin Haase

The OpeneCardApp.jar is a comment in the jnlp file.

The required jar files are the richclient-1.1.1-20150724-0916.jar and the cifs-1.1.1-20150724-0916.jar. Both are needed to start the Open eCard App so it is necessary to have both files. Prior versions did not have the cifs[...]jar because the included files were part of the richclient jar.

Your downloaded source is from a link in an jnlp file. An jnlp file is normally used with java webstart which doesn't seem to be appropriate for your setup.

So there are two options i think.

1. Try to copy the cifs jar into the class path (not tested)

or

2. Build a bundled version which contains all required files.

Basic instructions for the required system setup and how to get the code are provided in the wiki https://dev.openecard.org/projects/open-ecard/wiki/Getting_Started

If you have the code you just have to do an

```
mvn clean install
```

After the build the richclient jar is available in clients/richclient/target and there the file with the name richclient-{version}-bundle-cifs.jar

#4 - 10/06/2015 01:46 PM - Tobias Wich

- Status changed from *Feedback* to *Rejected*

A small correction from my side.

In order to build a bundled version the profile I mentioned earlier must be added manually.

```
mvn -P bundled-jar-cifs clean install
```

In order to run the JNLP jars the following line works for me.

```
java -cp cifs-1.1.1-20150724-0916.jar:richclient-1.1.1-20150724-0916.jar org.openecard.richclient.RichClient
```

When trying to run as a combination of `-cp` and `-jar` the `-cp` seems to be ignored.

By the way, we stopped providing the bundled version as we want everybody to receive upgrades which is the case with JNLP. It should also work offline. If not we should take care of that issue again. However this still needs a connection in the first place to download the jars. For the future I think your best bet is to use a build you did by yourself.

#5 - 10/06/2015 02:47 PM - Patrik Schwieger

To build my own bundle is no option, for some reason, but your hint about the start with combined classpath works fine

```
java -cp cifs-1.1.1-20150724-0916.jar;richclient-1.1.1-20150724-0916.jar org.openecard.richclient.RichClient
```

This starts the richclient without an exception. :-)

But as an improvement I still suggest to catch the NPE to show a proper error message.