



ILS Software Update

Deployment of Software

Updates/Patches

IMC's system solution historically known as CLIX as of version 2013 is officially termed ILS (IMC Learning Suite) instead. Some references to the "old" identifier may remain within this document, especially in the context of reproducing code snippets.

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1 Delivered Files

Find on the SFTP-Server the delivered update package as archive file:

CLIX_<Customer> <Patchversion> _<Revision>.zip

The above archive file includes further archives (if different for the different target systems marked in the archives name)

APP-FILE: webapp.zip (or clix.war)

DATA-FILE: data.zip

CONF-FILE: conf.zip (only businessprocess.xml, technicalimplementation.xml, clix.conf)

Please follow the update advice below and take care of the target directories of your system(s).

2 Directories:

<<CLIX_HOME>> base directory of ILS installation

<<TOMCAT_HOME>> Tomcat installation directory

<<DATA_HOME>> base directory of ILS data

3 Update advice:

1. stop Tomcat service
2. save the corresponding database

3. Applying **CONF_FILE**:

- a. save the current directory <<CLIX_HOME>>/conf as a copy (no move or rename) or archive (e.g. conf_<<DATE_TIME>>).
- b. copy the CONF_FILE into <<CLIX_HOME>> and extract it there with the option overwrite

4. Applying **DATA_FILE**:

- a. save the current directory <<DATA_HOME>>/data as a copy (no move or rename) or archive, if there is no regularly backup process established
- b. copy the DATA_FILE into folder above the <<DATA_HOME>> (directory where /data folder is placed) and extract it there; allow overwriting of the existing files and folders

5. Applying **APP_FILE**:

- a. save the current directory <<CLIX_HOME>>/webapp (oder clix.war) by rename (move) to e.g. webapp_<<DATE_TIME>> (or clix.war_<<DATE_TIME>>), so that a temporary backup exists

b. in case of a **webapp.zip**

- copy the APP_FILE into <<CLIX_HOME>> and extract it there. A new /webapp folder is created.

in case of a **clix.war**

- create a new folder <<CLIX_HOME>>/webapp and copy the APP_FILE into <<CLIX_HOME>>/webapp and extract it there. After extraction delete the archive file <<CLIX_HOME>>/webapp/clix.war
- c. check deployment descriptor *web.xml* (in path <<CLIX_HOME>>/webapp/WEB-INF/) concerning the entry *clix.configpath*

```
...
<context-param>
    <param-name>clix.configpath</param-name>
    <param-value><<CLIX_HOME>>/conf/</param-value>
</context-param>
...
```

and replace <<CLIX_HOME>> by the correct path. Compare the entry with the web.xml of your backup (from 5a.)

6. save and delete all file in <<CLIX_HOME>>/logs
7. save and delete all file in <<TOMCAT_HOME>>/logs
8. delete all files and subfolders of <<TOMCAT_HOME>>/work (do not delete the "work" folder)
9. Download http://repo1.maven.org/maven2/org/apache/geronimo/javamail/geronimo-javamail_1.4_mail/1.8.3/geronimo-javamail_1.4_mail-1.8.3.jar and copy this file to <<TOMCAT_HOME>>/lib
10. start Tomcat service
11. check protocol file <<CLIX_HOME>>/logs/clix.log during start up
 - a. make sure no errors (ERROR, FATAL) are protocolled
 - b. look for entries

```
...INFO [main] control.ClixInitializer --- CLIX STARTED ---
...INFO [main] control.ClixInitializer
- ClixInitializer.initialize: exit
```

These entries indicate that the patch was successfully applied and ILS is available again.

4 Initial Tests of the Application

If the patch was successfully applied please execute following tests:

1. Load URL of the application in a browser
The start page of the application is shown without design errors
2. Login as an administrator and as a learner
Home page is displayed in correct design
3. Click on each navigation entry
No http error occurs