ILA Software Update

Deployment of Software Updates/Patches

The current document describes the execution for a bundled software update of the ILA (IMC Learning Applications) for the modules IMC Learning Suite (ILS), das IMC Learning Portal (ILP), the ILS-Solr-Application (SOLR) and Gamification Services (IGS/PRS/LRS)

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1 Delivered Files

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

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

The archive file includes multiple files listed below,

APP-FILES:	clix.war
	learningportal-<version>.war
	gamificationService-<version>.war
	lrStore-<version>.war
	profileRecordStore-<version>.war
	ils-solr-<version>.war
DATA-FILE:	data.zip
CONF-FILES:	ils_conf.zip (ils_conf_<system>.zip)
	ilp_conf.zip (ilp_conf_<system>.zip)
	igs_conf.zip (ilp_conf_<system>.zip)
	lrs_conf.zip (ilp_conf_<system>.zip)
	prs_conf.zip (ilp_conf_<system>.zip)
	solr_conf.zip

If there are packages provided for different systems the placeholder '<system>' is replaced by "stage", "prod" or "test" in your delivery -   e.g. ils_conf_stage.zip, ilp_conf_stage.zip

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

Directories :

<<ILA_HOME>> base directory of the ILA installation (e.g. c:/appserver)

<<TOMEE_HOME>> TomEE installation directory (e.g. c:/appserver /environment/tomee)

<<DATA_HOME>> base directory where folder data is located (e.g. c:/appserver)

2 Preparing for Update

1. stop TOMEE service

2. save the corresponding database

3. save and delete all file in <<ILA_HOME>>/instance/logs

4. save and delete all file in   <<TOMEE_HOME>>/logs

5. delete all files and subfolders of << TOMEE _HOME>>/work
    (Please Note: Don't delete the "work" folder itself, just the contents)

3 Update ILS (Learningsuite)

3.1.1 Applying **CONF_FILE** (ils_conf.zip) :

    a.   save the current directory <<ILA_HOME>>/instance/ils as a copy or archive (e.g. ils_conf_<<DATE_TIME>>.zip)

    b.   delete all files in <<ILA_HOME>>/ instance/ils

    c.   extract the content of ils_conf.zip into <<ILA_HOME>>/ instance/ils

3.1.2 Applying **DATA_FILE** (data.zip):

    d.   save the current directory /data as a copy (no move or rename) or archive, if there is no regularly backup process established

    e.   copy the data.zip into folder <<DATA_HOME>> (directory where /data folder is placed) and extract it there; allow overwriting of the existing files and folders

3.1.3 Applying **APP_FILE** (clix.war):

    f.   save the current application directory "ils" located inside <<ILA_HOME>>/apps by renaming or moving to e.g. ils_app_<<DATE_TIME>>, so that a temporary backup exists

    g.   move backup ils_app_<<DATE_TIME>> in a backup folder outside of <<ILA_HOME>>

    h.   create a new folder "ils" in path <<ILA_HOME>>/apps/

    i.   extract the contents of clix.war into folder <<ILA_HOME>>/apps/ils

4 Update Learning Portal Services

4.1 Update ILP (Learningportal)

4.1.1 Applying **CONF_FILE** (ilp_conf.zip) :

a. save the current directory <<ILA_HOME>>/instance/ilp as a copy or archive (e.g. ilp _conf_<<DATE_TIME>>.zip)
b. extract the content of **ilp_conf.zip** into <<ILA_HOME>>/ instance/ilp with the option overwrite

4.1.2 Applying **APP_FILE** (learningportal-<version>.war) :

c. save the current application directory "ilp" located inside <<ILA_HOME>>/apps by renaming or moving to e.g. ilp_app_<<DATE_TIME>>, so that a temporary backup exists

d. move backup ilp_app_<<DATE_TIME>> in a backup folder outside of <<ILA_HOME>>

e. create a new folder "ilp" in path <<ILA_HOME>>/apps/

f. extract the contents of **learningportal-<version>.war** into folder <<ILA_HOME>>/apps/ilp

4.2 Update SOLR

4.2.1 Applying **CONF_FILE (**solr_conf.zip) :

a. save the current directory <<ILA_HOME>>/instance/solr as a copy or archive (e.g. solr_conf _<<DATE_TIME>>.zip) in a backup directory outside the <<ILA_HOME>>/instance directory

b. delete all files and folders in directory <<ILA_HOME>>/instance/solr
c. extract the content of **solr_conf.zip** into <<ILA_HOME>>/ instance/solr
d. Note: the catalog search index needs to be recreated after the system is running again. This is going to happen automatically after the configured time interval of "CreateSolrIndex" at businessprocess.xml or can be triggered manual by clicking on "Update search index" at the catalog manager of ILS.

4.2.2 Applying **APP_FILE** (ils-solr-<version>.war):

a. save the current application directory "solr" located inside <<ILA_HOME>>/apps by renaming or moving e.g. solr_app_<<DATE_TIME>>, so that a temporary backup exists

b. move backup solr_app_<<DATE_TIME>> in a backup folder outside of <<ILA_HOME>>

c. create a new folder "solr" in path <<ILA_HOME>>/apps/

d. extract the content **ils-solr-<version>.war** into folder <<ILA_HOME>>/apps/solr

5 Update Gamification Services

5.1 Update IGS (Gamification)

5.1.1 Applying **CONF_FILE** (igs_conf.zip) :

a. save the current directory << ILA_HOME>>/instance/igs as a copy or archive (e.g. igs _conf_<<DATE_TIME>>.zip)

b. extract the content of **igs_conf.zip** into << ILA_HOME>>/ instance/igs with the option overwrite

5.1.2 Applying **APP_FILE** (gamificationService-<version>.war) :

c. save the current application directory "igs" located inside <<ILA_HOME>>/apps by renaming or moving to e.g. igs_app_<<DATE_TIME>>, so that a temporary backup exists

d. move backup igs_app_<<DATE_TIME>> in a backup folder outside of <<ILA_HOME>>

e. create a new folder "igs" in path <<ILA_HOME>>/apps/

f. extract the contents of **gamificationService-<version>.war** into folder <<ILA_HOME>>/apps/igs

5.2 Update LRS (LearningRecordStore)

5.2.1 Applying **CONF_FILE** (lrs_conf.zip) :

a. save the current directory <<ILA_HOME>>/instance/lrs as a copy or archive (e.g. lrs_conf_<<DATE_TIME>>.zip)

b. extract the content of **lrs_conf.zip** into <<ILA_HOME>>/instance/lrs with the option overwrite

5.2.2 Applying **APP_FILE** (lrStore-<version>.war) :

c.   save the current application directory "lrs" located inside <<ILA_HOME>>/apps by renaming or moving to e.g. lrs_app_<<DATE_TIME>>, so that a temporary backup exists

d. move backup lrs_app_<<DATE_TIME>> in a backup folder outside of <<ILA_HOME>>

e.   create a new folder "lrs" in path <<ILA_HOME>>/apps/

f.   extract the contents of **lrStore-<version>.war** into folder <<ILA_HOME>>/apps/lrs

5.3 Update PRS (ProfileRecordStore)

5.3.1 Applying **CONF_FILE** (prs_conf.zip) :

a.   a. save the current directory <<ILA_HOME>>/instance/prs as a copy or archive (e.g. prs_conf_<<DATE_TIME>>.zip)

b.   b. extract the content of prs_conf.zip into <<ILA_HOME>>/instance/prs with the option overwrite

5.3.2 Applying **APP_FILE** (profileRecordStore-<version>.war) :

c.   save the current application directory "prs" located inside <<ILA_HOME>>/apps by renaming or moving to e.g. prs_app_<<DATE_TIME>>, so that a temporary backup exists

d.   move backup prs_app_<<DATE_TIME>> in a backup folder outside of <<ILA_HOME>>

e.   create a new folder "prs" in path <<ILA_HOME>>/apps/

f.   extract the contents of profileRecordStore-<version>.war into folder <<ILA_HOME>>/apps/prs

6 Finish Update

a. start TOMEE service

b. check protocol file <<ILA_HOME>/instance /logs/clix.log during start up. Make sure no errors (ERROR, FATAL) are protocoled

c. 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.

d. check protocol file <<ILA_HOME>/instance /logs/learningportal.log during start up and make sure that the ILP is started without errors

e. check protocol file <<ILA_HOME>/instance /logs/igs.log, lrs.log and prs.log during start up and make sure that the Gamification Services are started without errors

7 Initial Tests of the Application

If the patch was successfully applied, please execute following tests:

1. Open the ILS application in a browser.

   The ILS start page http(s)://yoururl.com/ils is displayed in the correct design and no HTTP-error is triggered

2. Login as an administrator and as a learner
   The user is directed to the personal area. The application is displayed without http-errors and shows a correct design.

3. Click on navigation items

No HTTP error occurred

4. Open the ILP application in a browser..

Die ILP start page http(s)://yoururl.com/ilp is displayed in the correct design and no HTTP-error is triggered

5. Login as a learner

The user is directed to the personal area. The application is displayed without http-errors and shows a correct design.