v2.5.0 Migration Guide

The actions displayed below are required to use *fenixedu-project v2.5.0* or later.

Since v2.5.0 resource bundles must be loaded in UTF-8 encoding, this page is exactly to show how an existing module can be converted to use this version.

Upgrading dependencies versions

As this major update had a lot of changes it is required that you upgrade some of your project's versions.

1. **Replace** your parent on *pom.xml by the code below.*

Upgrading parent's version

```
<parent>
        <groupId>org.fenixedu</groupId>
        <artifactId>fenix-framework-project</artifactId>
        <version>2.5.0</version>
        <relativePath />
</parent>
```

2. **Update your project dependencies** with the maven command below.

Upgrading dependencies versions

```
mvn -U versions:update-properties -Dincludes="pt.ist*,org.fenixedu*"  -Dexcludes=javax.: -
DgenerateBackupPoms=false -Pproduction
```

Installing the Java Extension Mechanism

When migrating to *fenixedu-project v2.5.0* you will need to install a Java Extension Mechanism responsible for ensuring UTF-8 resources bundles loading.

You can find information about this installation here.

UTF-8 Enforce

All-in-one operation

This is the faster way to apply all the required actions to enforce *UTF-8* resource bundle properties.

This operation assumes that all your resource bundles are located in `src/main/resources/resources`

What this will do:

- Convert every `ISO-8859-1` encoded resource bundle properties file to `UTF-8`.
- Add a comment containing emojis to enforce `UTF-8` on every resource bundle properties file.
- Enforce the use of *UTF8PropertyMessageResourcesFactory* on every existing struts config file.

How to do it:

Just download and **run the script below** passing your project's/module's path as a parameter to the script.

E.g. `$script-path/utf8-enforce.sh $project-path`

utf8-enforce.sh

Note:

If your resource bundles are placed in another location besides `src/main/resources/resources` please apply the changes below:

1. Open the script on a text editor
2. On **line 3** change the text *grep "^.*src/main/resources/resources$"* to *grep "^.*{your-resources-path}$"*
3. Replace the *{your-resources-path}* by your resources path

Step-by-step operation

This way is slower but more precise if you need to change some things to match your criteria.

Converting resource bundle properties to *UTF-8*

1. **Run the script below** to convert all *ISO-8859-1* resource bundle properties to *UTF-8*, sending your project path as a parameter.

E.g. *$script-path/convert-to-utf8.sh $project-path*

convert-to-utf8.sh

2. **Run the following script** to place a comment in the top of every resource bundle properties file, sending your project path as a parameter.

E.g. *$script-path/apply-utf8-comments.sh $project-path*

apply-utf8-comments.sh

Enforcing the use of *UTF-8* resources factory on struts config files

1. **Run the script below** to enforce *UTF8PropertyMessageResourcesFactory* on every struts config file (*struts-*.xml*), sending your project path as a parameter.

E.g. *$script-path/struts-to-utf8.sh $project-path*

struts-to-utf8.sh