



## Intralibrary Upgrade Guide: Version 3.3 to 3.7

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Contact: [support@intrallect.com](mailto:support@intrallect.com)  
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### 1. Backups

Before making any changes to upgrade your environment you should take a backup of the Tomcat & IntraLibrary directories and the MySQL database.

The Tomcat and IntraLibrary directories can be backed up by copying them or creating a tar file. MySQL should be backed up using the `mysqlhotcopy` command.

For more information on `mysqlhotcopy` see <http://dev.mysql.com/doc/refman/5.1/en/mysqlhotcopy.html>

### 2. Upgrade Java

IntraLibrary 3.7 requires Java 1.7 to run. You can download it from <http://www.oracle.com/technetwork/java/javase/downloads/index.html>

### 3. Upgrade Tomcat

You will need to upgrade your Tomcat 5.5 to Tomcat 7 for IntraLibrary 3.7. The easiest way to do this is to download a fresh copy of Tomcat 7 from <http://tomcat.apache.org/download-70.cgi> and set it up like you would for a new installation.

Bellow is a summary of the steps you will need to take. For a more detailed guide see the installation documentation.

- Copy the files in *datasource*, *authenticationLib* & *realmLib* from the installation bundle to `$TOMCAT_HOME/lib`
- Create a directory called `$TOMCAT_HOME/endorsed` and copy the files from *endorsed* in the installation bundle to it.
- Deploy the *sample\_context.xml* from the installation bundle to `$TOMCAT_HOME/conf/Catalina/[enginename]/[hostname]/` and update the paths for IntraLibrary and database settings.
- Set your `JAVA_HOME` & `JAVA_OPTS` in the `$TOMCAT_HOME/bin/setenv.sh`

### 4. Replace Web Application

The basis of the intraLibrary web application is the *intralibrary.war file* file. You can put this archive anywhere on the server, but we'd recommended it to be on the same physical

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volume as the application server (Tomcat).

To avoid confusion between the new and old versions of the web application, rename the previous war file to *intralibrary\_old.war*. Once you are satisfied that the new version of IntraLibrary runs correctly the old war file can be removed completely.

To remove the need to add extra settings to your `$TOMCAT_HOME/conf/server.xml` you can run IntraLibrary from an expanded war using `$JAVA_HOME/bin/jar -xvf intralibrary.war`

## 5. Remove Indexes

You will need to remove the index folder which is located in your IntraLibrary config directory.

## 6. Update Config Directory

The following new files and directories which will need deployed to your IntraLibrary config folder. You will be able to find them in the config folder of the IntraLibrary installation bundle.

- *embedCodeTemplates*
- *harvest*
- *symplectic*
- *symplectic.properties*

## 7. Update Licence

A new licence is required for this version of IntraLibrary. If you have not already received one you should contact [support@intrallect.com](mailto:support@intrallect.com).

To update the licence you need to replace the file called *intralibrary-licence.txt* in your IntraLibrary config folder with the new one.

## 8. Start IntraLibrary



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It's now time to start the application. The first time that intraLibrary is started, any database changes will be applied on the server to ensure compatibility with the new version. The database changes are fairly minor so the amount of time taken to upgrade should be small.

If you wish to monitor the upgrade process, you can monitor the *upgradeReport.log* file which can be found in the directory specified as 'configDir' in your properties file. This file will tell you when the process is finished by outputting the line 'finished upgrading'.

If you check the output of the server startup, you should see some text resembling the text below.

```
*****
application url:http://localhost
application version:3.7(xxxxx)
catalina home:/opt/tomcat/3p7
database server version:5.1.61-0ubuntu0.10.04.1
database driver:MySQL-AB JDBC Driver
max database connections(0=unlimited):0
max upload file size:200 mb
servlet container:Apache Tomcat/7.0.29
JVM file encoding:UTF-8
java version:1.7.0_05
java vendor:Oracle Corporation
operating system:Linux,2.6.32-40-server
os architecture:amd64
indexStore:file
user name:root
user language:en
user country:GB
user timezone:Europe/London
java temp dir:/opt/tomcat/3p7/temp
servlet temp directory:/opt/tomcat/3p7/work/Catalina/localhost/_
-----
configDir location:/opt/intralibrary/3p7/config
http proxy:no proxy used
```

---

mail host:  
admin email:admin@company.com  
error email:errors@company.com  
return email:intralibrary1@company.com  
id prefix:com.intrallect.poptart  
repository name:poptart  
object cache size:250  
entry page:browse  
logLevel:INFO  
reindexOnStartup:true  
headless:true  
static http server running:false  
Integration with kaltura enabledregistered intraLibrary event handlers:com.intrallect.intralibrary.event.s.DefaultIntraLibraryEventHandler  
LoginPage class:com.intrallect.intralibrary.authentication.DefaultLoginPage  
-----  
total memory assigned:512Mb  
maximum memory assigned:1024Mb  
-----  
licence assigned to:company  
max contributors:1000000  
version:3.7  
expires:01-01-3000  
-----  
IntraLibrary started dd-MMM-yyyy hh:nn:ss  
\*\*\*\*\*

Assuming that you have no errors in this output then congratulations, you have successfully upgraded your installation of intraLibrary.

## 9. Common upgrading problems

If you decided to rename the database you use for your installation, make sure you recreate the SQL views for the new database using the script "dbscripts/views/intralibrary-view.sql".



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If you have upgraded your MySQL database from 5.0 to 5.1 you should also run mysqlcheck to make sure your database is healthy. See <http://dev.mysql.com/doc/refman/5.1/en/mysqlcheck.html> for more information.