

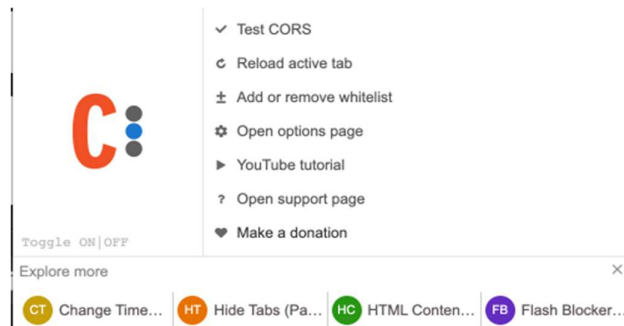
Library Project

Introduction

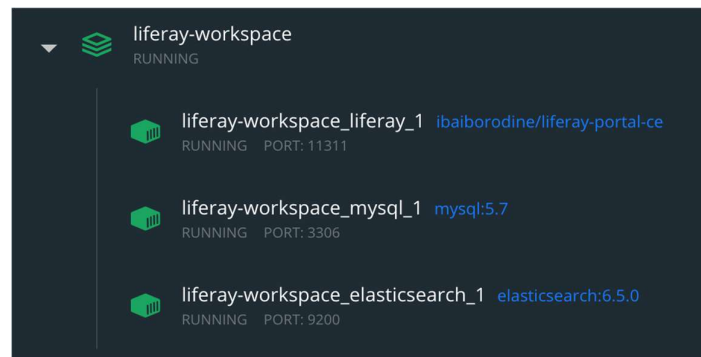
This paper documents the specification of initial project training for new joiners of Cognizant into Liferay System.

Pre-requisites

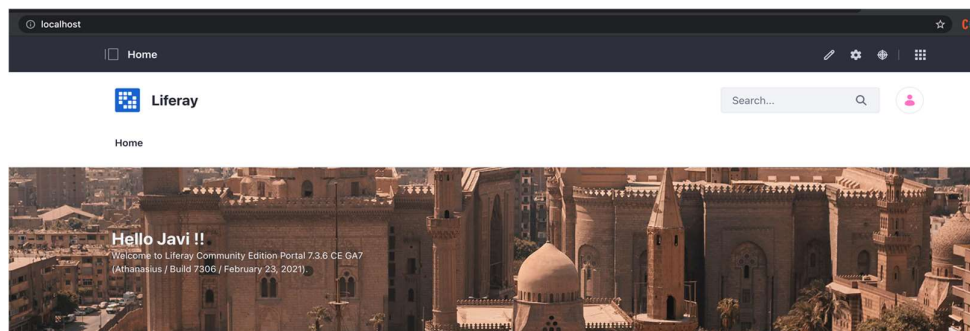
Install Docker-Desktop in your Operating System and clone this repository and install in your browser this plugin for Chrome: **Allow Cors**



Basically, you are ready to launch a Liferay workspace with the command **docker-compose up**:



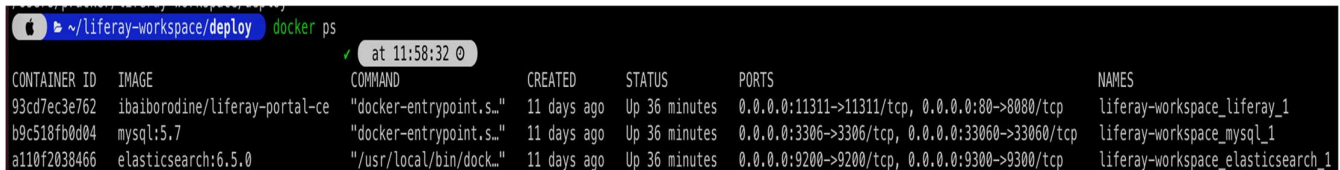
If you go to <http://localhost>, should see something similar to this:



By default the user to login is “test@liferay.com/test”

Need to generate the build of the 3 modules to proceed with Liferay training, launch gradle task buildService and after gradle task build (take account that this module generates two jar files), for libraryRest module gradle task build and for libraryFrontEnd application, launch the command in the shell “yarn install” and after the dependencies download launched “yarn build”, and liferay-npm-bundler generates the OSGI module too.

The most easy way at this point is to copy the jar files manually into */liferay-workspace/deploy* and launch the command **docker cp . 93cd7ec3e762:/opt/liferay/deploy** (the id in this command is the id of the container):



CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
93cd7ec3e762	ibaiborodine/liferay-portal-ce	"docker-entrypoint.s..."	11 days ago	Up 36 minutes	0.0.0.0:11311->11311/tcp, 0.0.0.0:80->8080/tcp	liferay-workspace_liferay_1
b9c518fb0d04	mysql:5.7	"docker-entrypoint.s..."	11 days ago	Up 36 minutes	0.0.0.0:3306->3306/tcp, 0.0.0.0:33060->33060/tcp	liferay-workspace_mysql_1
a110f2038466	elasticsearch:6.5.0	"/usr/local/bin/dock..."	11 days ago	Up 36 minutes	0.0.0.0:9200->9200/tcp, 0.0.0.0:9300->9300/tcp	liferay-workspace_elasticsearch_1

Database Instructions

Execute the next scripts into the database:

```
use lportal;
```

```
UPDATE lportal.SAPEntry
```

```
SET allowedServiceSignatures='com.jsanz.rest.library.application.RestLibraryApplication#*  
com.liferay.portal.kernel.service.CountryService#getCountries  
com.liferay.portal.kernel.service.RegionService#getRegions'  
WHERE name='SYSTEM_DEFAULT';
```

```
INSERT INTO lportal.JAVI_Library (uuid_, ISBN, title, writer, publication) VALUES('411e7812-  
5a9e-6603-f942-d43865a3732f', 9780765350378, 'The Way of Kings', 'Sanderson, Brandon', '2021-  
06-14 17:19:52.728000000');
```

```
INSERT INTO lportal.JAVI_Library (uuid_, ISBN, title, writer, publication) VALUES('9d5ec001-  
f9af-6f40-d7cd-9cc358abfca3', 9780765350390, 'Radiant Words', 'Sanderson, Brandon', '2021-06-  
14 17:23:37.045000000');
```

```
INSERT INTO lportal.JAVI_Library (uuid_, ISBN, title, writer, publication) VALUES('ede02c50-  
6673-7cb2-1b61-aa305a072d7e', 9780765350395, 'Oathbringer', 'Sanderson, Brandon', '2021-06-  
14 17:25:06.120000000');
```

```
INSERT INTO lportal.JAVI_Library (uuid_, ISBN, title, writer, publication) VALUES('f643fcc2-  
0dae-bead-9479-fb83db687bad', 9780765350396, 'Rythm of War', 'Sanderson, Brandon', '2021-06-  
14 17:46:53.105000000');
```

Application description

All the actions should be reflected dynamically after each change (NOT NEED a page refresh)

DevOps Tasks

OSGI modules should be persisted when Liferay container is launched:

(*/LIFERAY_HOME/osgi/modules*), at this moment each time that container is launched you need to deploy all OSGI modules (jars).

Access per Role

Check the permission of the user to modify a book or add a new book. (Guest user is only available for read)

CRUD

Add the functionality of Update and Delete Books from the database, in a new column of the portlet.

Manage Publication Date

Now, the portlet is showing the current timestamp, should be manage the functionality of add, update and read in date format “DD-mm-YYYY” for Back End, use a datepicker from Bootstrap in front end to select or update that field.

SearchBox

On top of the portlet, the user should be able to search for ISBN, author or title of the library dynamically.