**A final ultimate awesome guide on how to set up your local environment for mykn-components!!!**

First, we start erecting all containers needed to perform our job in docker. Open this folder on your PC: @\esp-dev-launcher and open 2 bash windows. In the first window, execute the following commands:

* git pull ---> check for updates.
* docker-compose pull && docker-compose up.

After a few minutes, switch to another bash window and execute:

* ./launcher launch esp-masterdata esp-frontend esp-frontend-services esp-taskmanager esp-administration

Now we can open esp-reporting , esp-search and esp-mykn-componets verticals in Intellij:

esp-reporting

There is two possible DBs that you can connect: integration (Int) and systemtest (test):

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INT

spring:  
 datasource:  
 url: jdbc:oracle:thin:@(DESCRIPTION=(CONNECT\_TIMEOUT=10)(FAILOVER=ON)(ADDRESS\_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=ompi6-s1.db.int.kn)(PORT=1521))(ADDRESS=(PROTOCOL=TCP)(HOST=ompi6-s2.db.int.kn)(PORT=1521)))(CONNECT\_DATA=(SERVICE\_NAME=OMPI6\_APP.INT.KN)))  
 username: ESP  
 password: QSgvK2lp  
  
 liquibase.enabled: false  
  
messageStore.expireMessages: false  
bucket-consumer.auto-start: false

TEST

spring:  
 datasource:  
 url: jdbc:oracle:thin:@(DESCRIPTION=(CONNECT\_TIMEOUT=10)(FAILOVER=ON)(ADDRESS\_LIST=(ADDRESS=(PROTOCOL=TCP)(HOST=ompu8-s1.db.int.kn)(PORT=1521))(ADDRESS=(PROTOCOL=TCP)(HOST=ompu8-s2.db.int.kn)(PORT=1521)))(CONNECT\_DATA=(SERVICE\_NAME=OMPU8\_APP.INT.KN)))  
 username: ESP  
 password: yx8eLVnj  
  
 liquibase.enabled: false  
  
messageStore.expireMessages: false  
bucket-consumer.auto-start: false

Once we’ve got created these two DB connection drivers, we can easily switch between both, just changing in the Active profile test for int

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In the terminal, in the root just execute: **mvn clean install -DskipTests**

When the build is succeeded play the button to execute Spring Boot:

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esp-search

In the terminal, in the root just execute: **mvn clean install -DskipTests**

When the build is succeeded play the button to execute Spring Boot:

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Browser

Go to the following URL: <http://localhost:8888/admin/users/esp.admin>

If it’s authentication required: **user:** esp.admin **password:** Hamburg01

You can check these credentials here:

<https://git.int.kn/projects/KNLOGIN/repos/esp-administration/browse>

Make sure KN Technical Support is activated.

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After that go to the following URL:

<http://localhost:8888/report/api-doc/reporting-rebuild/v2#/rebuild/rebuildReporting>

Then 🡪 Try It Out

Rebuild by bookingNumber 🡪 BR2210T00094

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esp-mykn-componets

If it’s the first time that you open this vertical after downloading from the repository, then:

* 1. In the root: **mvn clean install -DskipTests**
  2. Open a new terminal window switch from root to mykn-mock directory and execute **yarn install**

As It’s shown in the image below:

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* 1. Open mykn-mock/src/App.vue

And add booking number that you are looking for.

If in esp-reporting you chose test DB, then this number should contain “T” BR2210**T**00094.

If in esp-reporting you chose int DB, then this number should contain “I” AD2105I00213.

* <template>  
   <div id="app">  
   <MyKnMockHeader msg="Mykn-Mock" />  
   <allocated-order-lines tracking-number=" 3000539965" />  
   </div>  
  </template>

1. Choose the first terminal window with the root directory.
2. In the root: **yarn build:or --mode development**
3. In the root: **yarn build:ct --mode development**
4. When the build is succeeded play the button to execute Spring Boot:

Graphical user interface, application

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1. Go to the second terminal window with mykn-mock directory and execute **yarn start**

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1. When it finalize go to the browser and write <http://localhost:10082/> or just click on:

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¿How to make erecting of environment a bit faster?

Once you get “mvn cleane intall” in all verticals, and there are no breaking changes, like deploy to int or systemtest or there are no changes required in esp-reportin and esp-search. In these cases, you can just run springboot without “mvn clean install” every time you try to get the environment, even more, if you set up your environment every day.

¿What command does What?

It is always worth more to stop and think about what I’m doing than execute commands again and again, don’t get any results, and get frustrated.

For this purpose, it is necessary to know what each command that I execute does:

Mvn clean -> delete the “target” folder

Yarn install -> installs all dependencies for a project, usually allocated in the package. json file. Sometimes when we switch between different branches is required to delete “node\_modules” folder.

Yarn build -> This will compile the project and place the output files into the build folder.

There are some mode available like: prod and dev.

So to see local changes made in esp-mykn-comonets you just need to “yarn build” components where you made changes (ct / or) and rerun springboot (pushing to rerun button).

**Solving most common troubleshooting.**

* 1. If in the terminal mvn commands aren’t recognized. It is most probably because you didn’t include the settings file in the folder:

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**Example of error in console**

**A screenshot of a computer

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* 1. If you are getting problems with spring-boot / Java. The most frequent reason is because of java version settled for this vertical. Go to the File >Project Settings in IntelliJ and put the correct java version:

Graphical user interface, text

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**Example of the error in the console**

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* 1. When you switch between branches in esp-mykn-components and after “yarn install and build” information doesn’t appear in browser, probably you need to delete and reinstall generated folders in mykn-components. In the mykn-mock you can leave unmodified because usually there are no changes in package.json :

Background pattern

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* 1. The most common issue with environment is because you skipped any step, executed command in the wrong place, forgot something etc.

To solve this issue, you just need to follow thoroughly all steps described in this guide!