

Spring School on Integrated Operational Problems

May 14-16, 2018, Troyes, France

Here is the procedure to follow in order to install an HTTP server on your PC before the Spring School on Integrated OP.

You should have received an `RPWS.zip` archive file containing an `RPWS` top directory with several other ones bellow.

One of them is `RPWS\tutorials` and these slides can be found there, as many other presentations.

We assume that you are going to install the required HTTP server on a PC running Windows.



Web-services project prep.

First, install the files of the web-site on your PC.

Copy the `RPWS.zip` file somewhere you like

Let's call this location `<dir>`

On my PC `<dir> = D:\projects\RP`

Uncompress that file

A directory `RPWS`, and many several ones bellow will be created

Web-services project prep.

Second, install HTTP server on your PC.

I suggest we all use the same HTTP server : XAMPP

Download it from
and follow the instructions

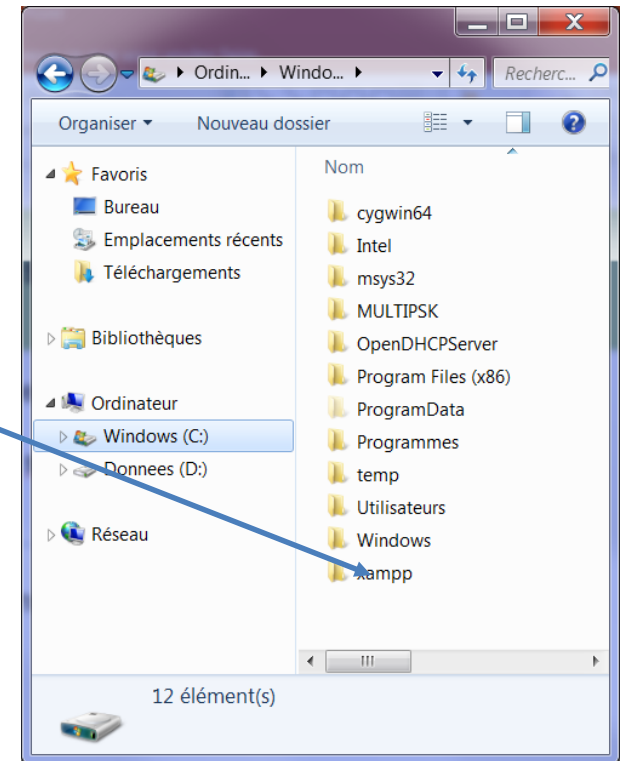
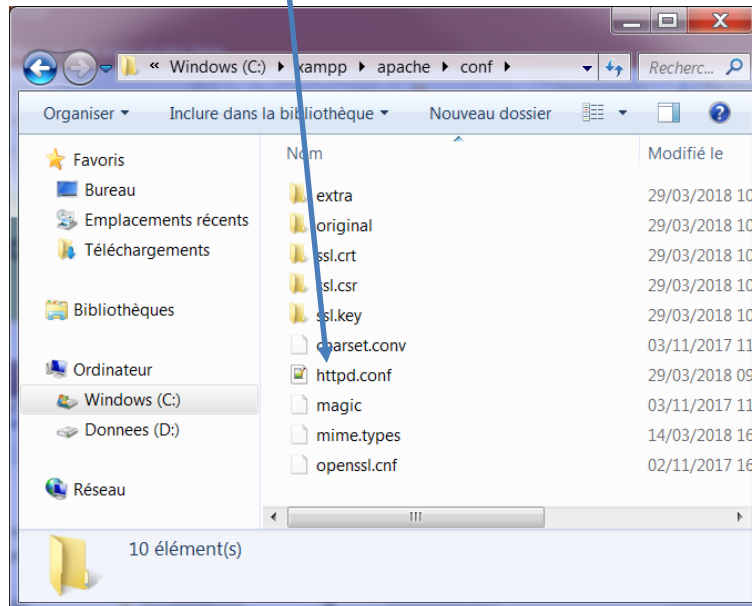


Web-services project prep.

Third, customize your HTTP server

XAMPP should have been installed there at C :

We'll modify the `httpd.conf` file under `C:\xampp\apache\conf`

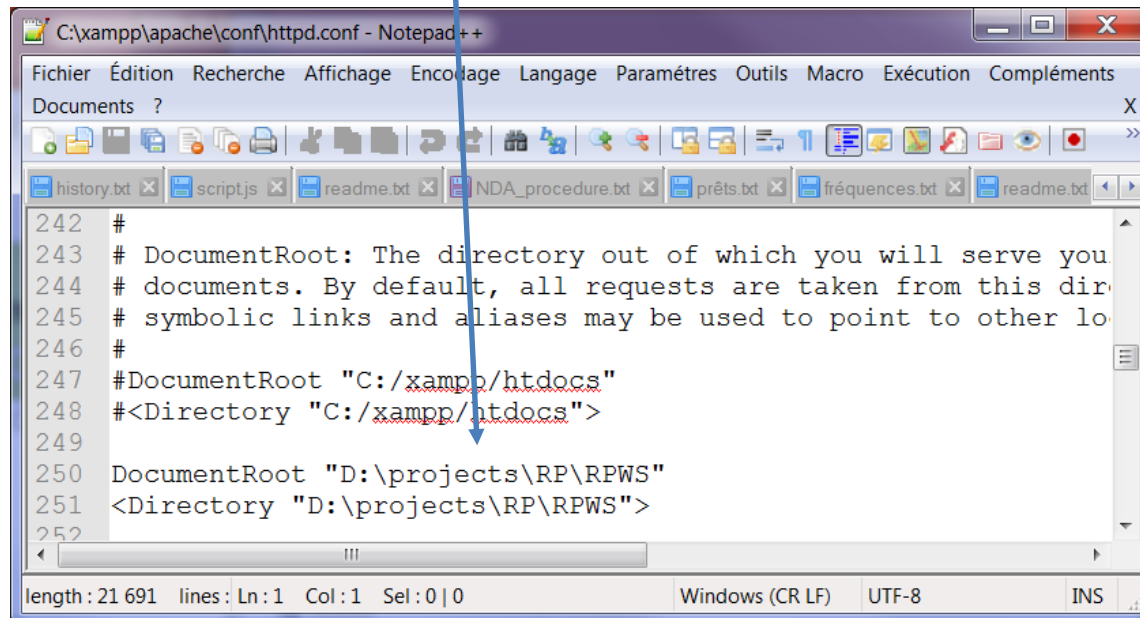


Web-services project prep.

Third, customize your HTTP server

The only modification concerns DocumentRoot and Directory (lines 242++)
You must type at these two locations the exact value of **your** <dir>\RPWS
to help your HTTP server to find the top of your web-services (index.html).

If <dir> = D:\projects\RP
Then <dir>\RPWS = D:\projects\RP\RPWS



The screenshot shows a Notepad++ window titled "C:\xampp\apache\conf\httpd.conf - Notepad++". The menu bar includes "Fichier", "Édition", "Recherche", "Affichage", "Encodage", "Langage", "Paramètres", "Outils", "Macro", "Exécution", and "Compléments". The toolbar contains various icons for file operations and editing. The text area shows the following configuration lines:

```
242 #
243 # DocumentRoot: The directory out of which you will serve you
244 # documents. By default, all requests are taken from this dir
245 # symbolic links and aliases may be used to point to other lo
246 #
247 #DocumentRoot "C:/xampp/htdocs"
248 #<Directory "C:/xampp/htdocs">
249
250 DocumentRoot "D:\projects\RP\RPWS"
251 <Directory "D:\projects\RP\RPWS">
252
```

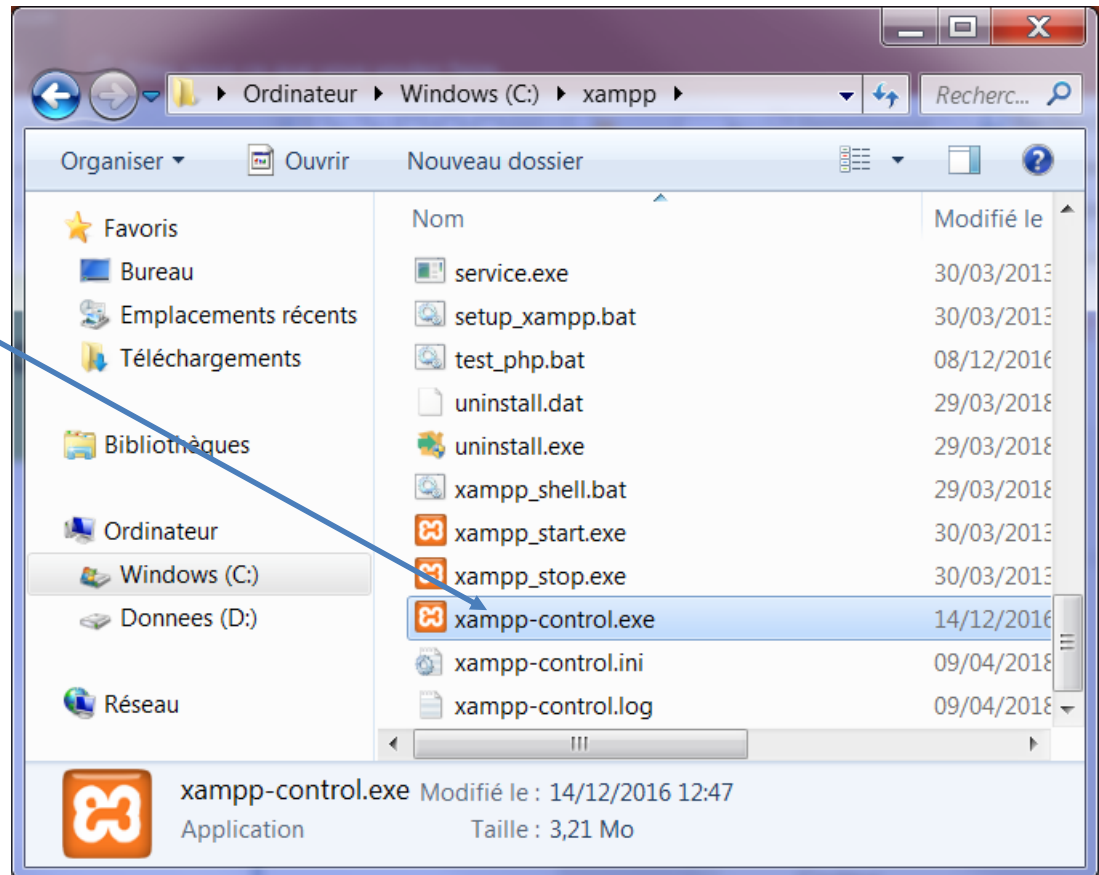
A blue arrow points from the text "<dir>" in the preceding text to the modified paths in the configuration file. The status bar at the bottom indicates "length: 21 691 lines: Ln:1 Col:1 Sel: 0|0", "Windows (CR LF)", "UTF-8", and "INS".

Web-services project prep.

Fourth, test your HTTP server.

You should see this at `C:\xampp`

Start `xampp-control.exe`

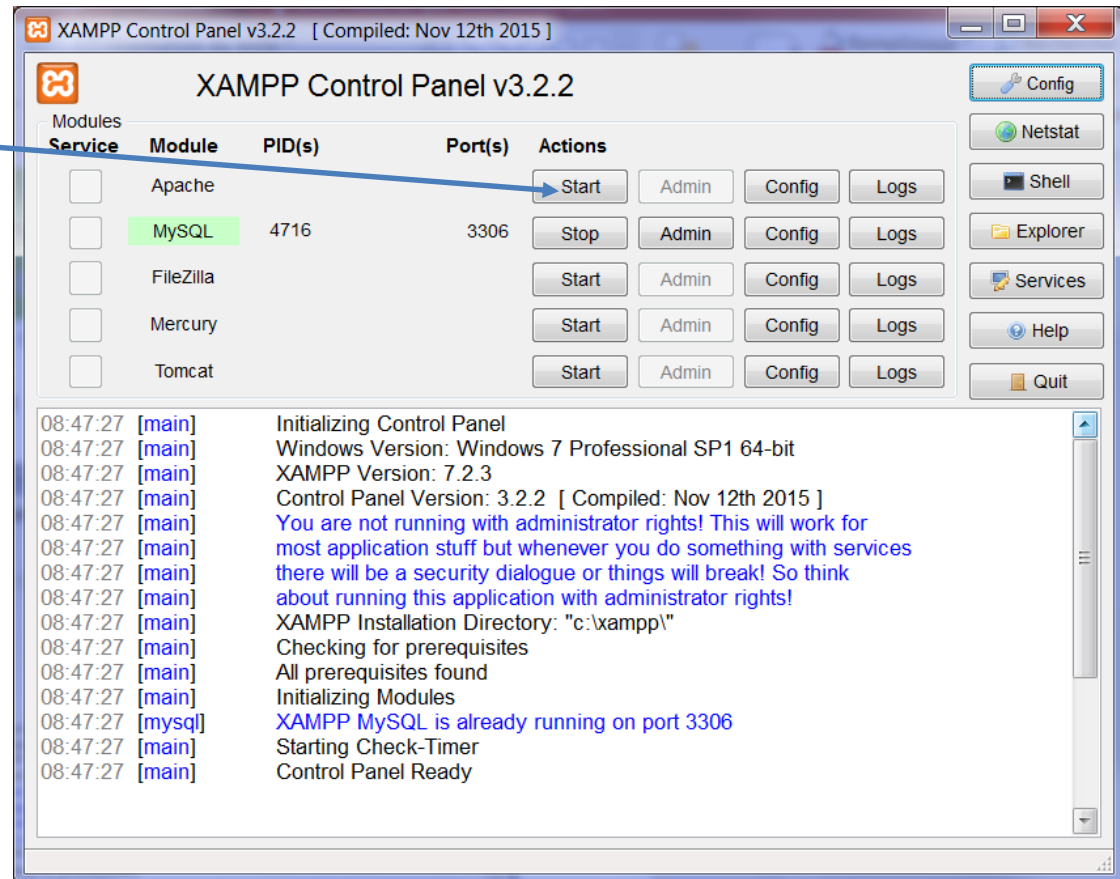


Web-services project prep.

Fourth, test your HTTP server.

The control panel should look like this one

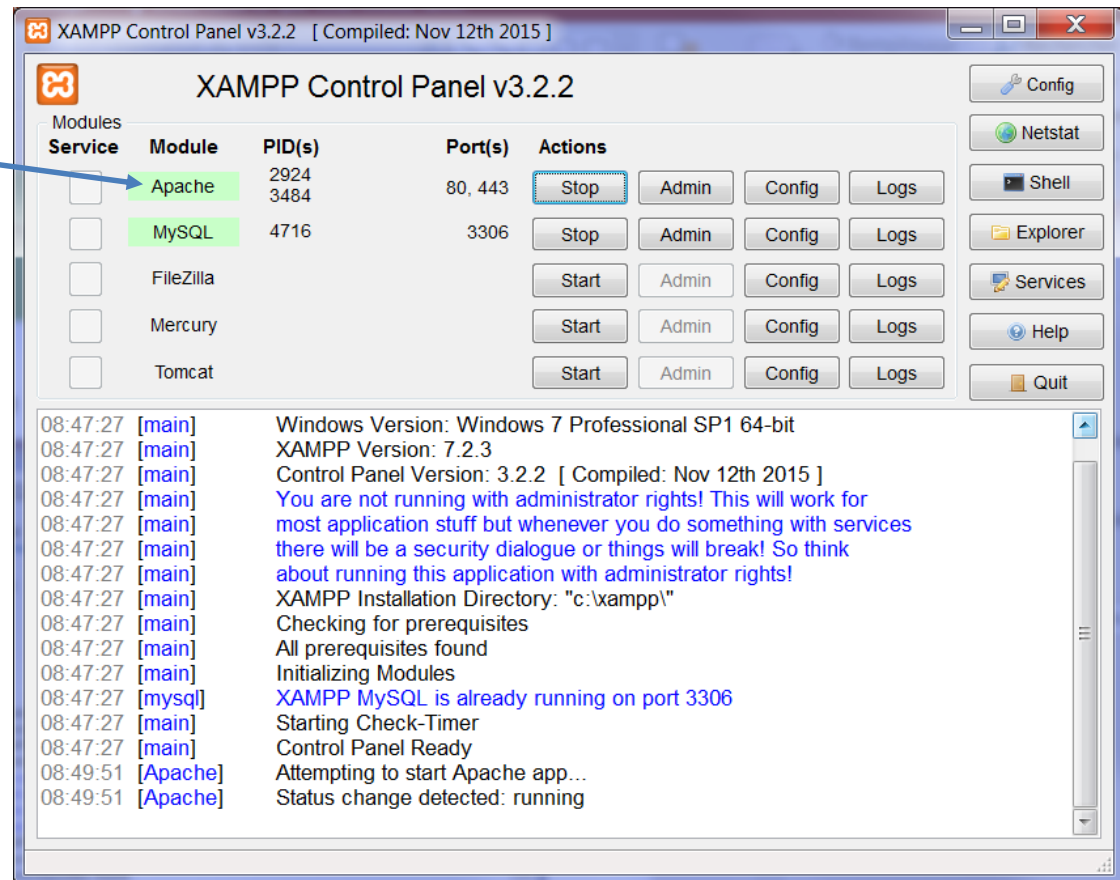
To start the HTTP server
click on start



Web-services project prep.

Fourth, test your HTTP server.

When started, Apache
will be displayed
In green.



Web-services project prep.

Last, test your local web browser.

Type in localhost URL

It should display this.

If yes, it is finished and you are ready.

If not, call me ☺

pierre.bomel@univ-ubs.fr

+33 (0)2 97 87 45 26

Pierre Bomel

