How compile App with Uhttpd2

Repository: https://github.com/carles9000/uhttpd2.git

1.- You need to have installed compiler Visual Studio 2022

2.- You need to have installed harbour compiler and contribs libs. Default c:\harbour

3.- We'll create an app folder (ex. myapp) and we'll create an app folder and inside it a file app.prg with the following basic content

```
#define VK_ESCAPE   27

function main()

      hb_threadStart( @WebServer() )

      while inkey(0) != VK_ESCAPE
      end

retu nil

//--------------------------------------------------------------------------//

function WebServer()

      local oServer        := Httpd2()

      oServer:SetPort( 81 )

      //     Routing...

          oServer:Route( '/'  , 'index.html' )

      //     -----------------------------------------------------------//

      IF ! oServer:Run()

          ? "=> Server error:", oServer:cError

          RETU 1
      ENDIF

RETURN 0

//--------------------------------------------------------------------------//
```

4.- As you can see the router '/' points to the index.html page. All pages are saved by default in the html folder. We will create within it the file index.html with the following content

```
<h2>Hello Httpd2 !</h2>
<h3>Version {{ UVersion() }}</h3>
<hr>
```

5.- We will copy the contents of the dist\harbour folder of the repository to a folder that we will call lib in our project. This is the httpd2 library that we will link with harbour to our project

6.- We will copy the dist\web\uhttpd2 folder of the repository to a folder that we will call files\uhttpd2 in our project. This is the httpd2 libraries and diferent files that we will link to our project from web

7.- We will prepare the app.hbp file to be able to compile our application with the following content

```
-n
-w1
-es2
-inc
-head=full
-mt

app\app.prg

-Llib
-luhttpd2

# WAPI_OutputDebugString()
hbwin.hbc

# TempFile()
xhb.hbc
```

8.- It is the end and it only remains to compile. You can create a bat file for example go64.bat with the following content

```
@echo off

if exist "%ProgramFiles%\Microsoft Visual
Studio\2022\Community\VC\Auxiliary\Build\vcvarsall.bat" call
"%ProgramFiles%\Microsoft Visual
Studio\2022\Community\VC\Auxiliary\Build\vcvarsall.bat" amd64

del app.exe

c:\harbour\bin\hbmk2 app.hbp -comp=msvc64

IF ERRORLEVEL 1 GOTO COMPILEERROR

del app.exp
del app.lib

@cls
app.exe

GOTO EXIT

:COMPILEERROR

echo *** Error

pause

:EXIT
```
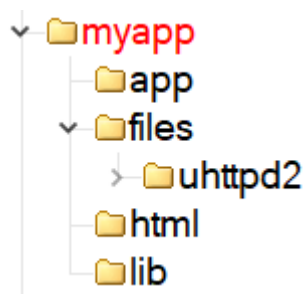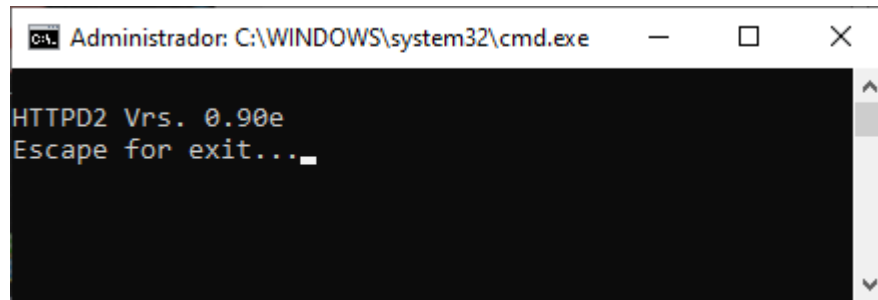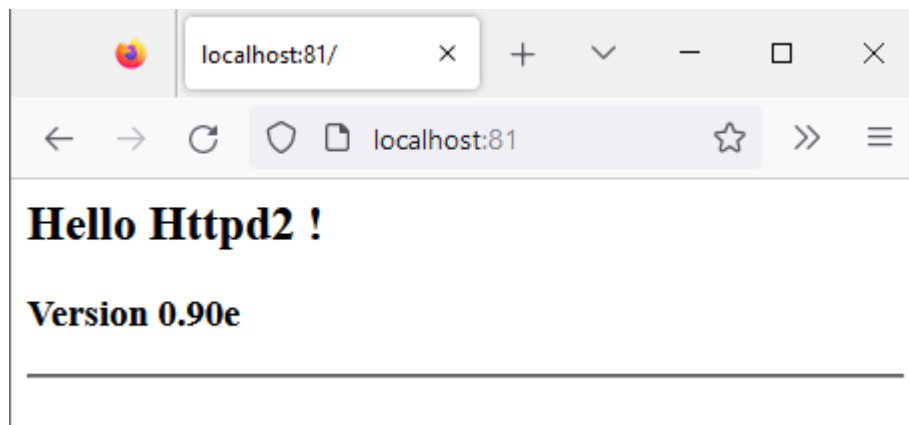
Our project will have the following structure

Only we need to execute go64.bat. If a screen similar to this appears, the server is already running

We only need to run from a browser if it works correctly. Type in the url localhost:81

The following screen should appear

We already have our server ready for our programs !

You can see https://youtu.be/PhURKbz7X_c