

Esp32_Framework is a small development brick that establish the core of a futur development always with the Esp32.

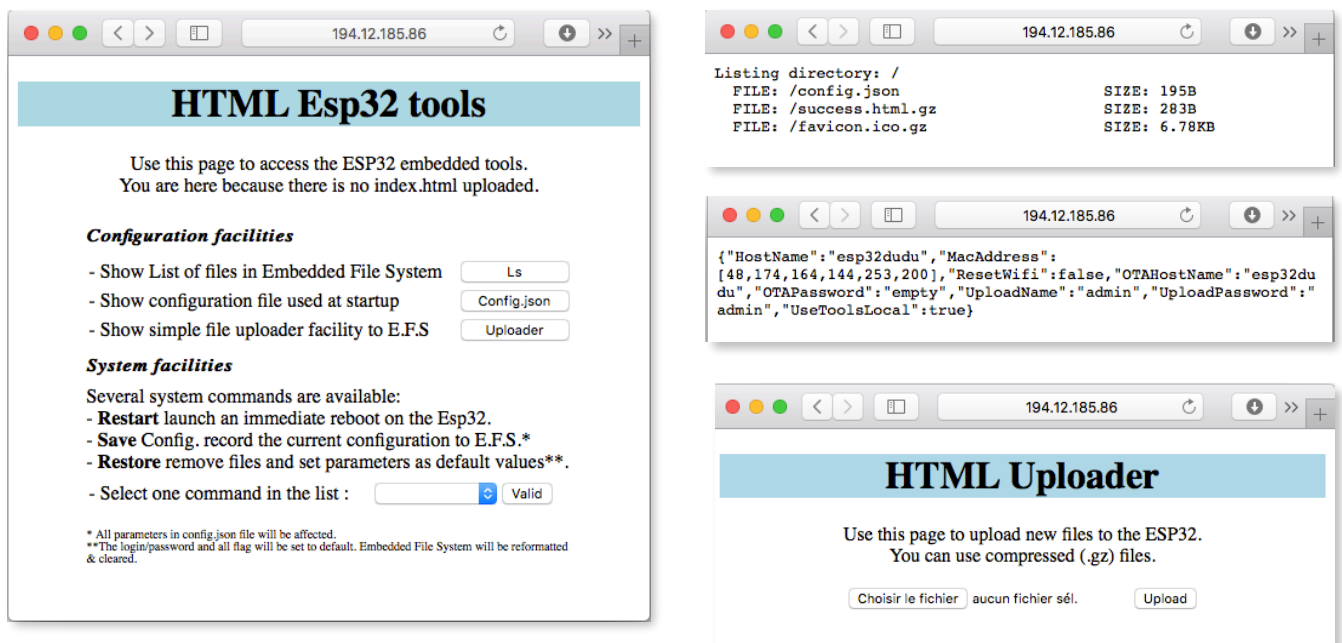
This framework build the start point for a configurable futur development. It allows:

- Initialize and start **FS** file system wrapper (In **NVM** or **EPROM** internal file system).
- Store the skeleton of the configuration in **JSON** file (call *config.json*).
- Start the Wifi (with WifiManager library). the Access Point is stated at the first time and allows to record the **SSID** and password for the futurs network connection. The preferred **MAC** address and host name are defined in the *config.json* method *loadConfiguration()*.
- Start the **OTA** (Over the Air) update is the process of loading the firmware to **ESP** module using Wi-Fi connection rather that a serial port.
- Start the Web socket server.
- Start the Web server. Allows file management in the local file system.
- Start the nDNS service. Allows the hostname publication on the network *boujour*.

Default config.json file:

```
{
«  HostName": "esp32dudu",
«  MacAddress": [ 48,174,164,144,253,200 ],
«  ResetWifi": false,
«  OTAHostName": "esp32dudu",
«  OTAPassword": "empty",
«  UploadName": "admin",
«  UploadPassword": "admin",
«  UseToolsLocal": true
}
```

Basic tools are visible here:



This tools allows to record file into Esp32 file system to constitute the futur Web site.

To be continued.