Installation of a “snap” package for the Furch-Diaoulek software.

Make your system able to read a snap package.

Snap packages include the software (executable, source code, configuration files...) and also all the libraries necessary to run that software, so the same package may be used by different Linux distributions. Many major Linux distributions are able to read and install snap packages. However, you need to install first, on your Operating System, the specific software that will allow it to use a “snap” package. That specific software is on your distribution store and must be downloaded and installed as explained on that page :

https://snapcraft.io/docs/core/install

Only after that first step, it will be of some utility to download “Snap” packages and in particular the one for the “Furch-Diaoulek” software.

Download and install the Furch-Diaoulek sowfware.

You have first to download the snap package for the current version of the software. For now (end of December, 2020), it is “furch-diaoulek_2.03.00_amd64.snap”. This package is only for 64 bits systems. Unfortunately, there is no package for 32 bits systems.

You can obtain the “furch-diaoulek” snap from http://furchhadiaoulek.free.fr or from the official Ubuntu store. Both packages are exactly alike but the one from the Ubuntu store have an official signature though I am not sure that it had been submitted to any testing. The installation of the packages is different.

Installing the package from the home page :

You will put that package on any directory and move to that directory. Then you type in a terminal:

```
sudo snap install --dangerous furch-diaou_2.02.00_amd64.snap
```

The installation should proceed smoothly.

Installing the package from the Ubuntu store :

On a terminal you will write :

snap download furch-diaoulek

sudo snap ack furch-diaoulek_1.assert

sudo snap install furch-diaoulek_1.snap

Uninstall the software :

To uninstall the software, first verify the list of your snap applications by

snap list

You should see “furch-diaoulek” among others applications (at least : core). Then you type in a terminal:

sudo snap remove furch-diaou

To complete the uninstall and if you have been using the “Furch-Diaoulek” software for a while, you also need to remove the directory of its data-base and that is all you need to do.

Using the “Furch-Diaoulek” software.

The first step is to determine where the executable “fdiaou.x” has been put. It should not be too far from the root of your system in a directory named “snap/...”. For me it is on “ /snap/furch-diaoulek/x1” if the unsigned package was installed and “ /snap/furch-diaoulek/current” for the signed package.

Now to start the “Furch-Diaoulek” software, you will go in your home directory or elsewhere on any partition where you can read and write files. There, you will create a new empty directory of any name that will suit you, for example “FDiaou”. You will also note the full path to that directory “Absolute_Path_to/Fdiaou”. That path will be used later.

Now, to launch the “Furch-Diaoulek” software, you open a terminal and type :

Absolute_Path_to_fdiaou.x > /dev/null (for me it is : /snap/furch-diaoulek/x1/fdiaou.x > /dev/null or : /snap/furch-diaoulek/current/fdiaou.x > /dev/null).

Remark 1: you can replace /dev/null by some file name that can be useful for debugging if something goes wrong.

Remark 2 : Instead of opening a terminal and typing “ Absolute_Path_to_fdiaou.x”, you can create a launcher on your desk with the icon “FURCH-DIAOU.png” which is in “/snap/furch-diaoulek/x1” or “/snap/furch-diaoulek/current”. The redirection towards “/dev/null” or “file_name” is useless, redirection does not work.

If it is the first time that you start the snap, the software will display a window with the warning :

You must choose a directory for the data-base.

You will validate, a new window will open where you will be able to graphically choose the empty directory that you have just created. You can also type the full path to that directory (FDiaou). After validation, a new window will ask you to confirm. If everything is OK, a hidden file “.fdiaou” will be created in your home directory with the full path to FDiaou. That file “.fdiaou” will be used for the other launches of the “Furch-Diaoulek” software. At present the directory “FDiaou” is no more empty. A few files and directories have been created and you are in the minimal configuration of the “Quick-Start” guide. You can play with the software as described in the guide.

If you had already used the “Diaoulek” or “Furch-Diaoulek” softwares, you can recuperate your former data-base by the order “ !import “ as explained in the guide. You need to do an import for each studied language.

In any case you will type the order “ !update “ to update or if necessary load the lessons or sound files available (only for Breton or English). Everything is explained in the “Quick-Start” guide. You need to do an “ !update “ for Breton and another for English.

A last remark.

The snap package “furch-diaoulek_2.03.00_amd64.snap” has been created on Ubuntu 20.04 and tested on a Mint OS. As every thing is going well, you can use it with the data-base directory of a previous version such as 2.01 or 1.07 but before, you must remove or rename any “.css” file. You can have a “fdiaou_0.css” and a “fdiaou.css” files in the data-base directory itself and “fdiaou.css” files into the subdirectories “BR” or “EN”. After that, you will, if needed, re-adjust the size of the fonts with the order “!fonts”.