

PACKAGING KIVY ANDROID

Installation

Virtual Box : <https://www.virtualbox.org>

Virtual Machine : <https://bit.ly/2OMMtvtu>

[Account : **pythonddev** / password: **a**]

Project Copy

1. Create a « Shared Folder » [check the 2 options « make permanent » and « auto-mount »]
2. Open a terminal and type the « mount » command to see the mount point
3. `cd /home/pythonddev/Projects`
4. `cp -R /media/sf_XXXX .` [replace by the name of your mount point]
5. `cd XXXX` [go to the directory of your project]
6. Delete the unnecessary files
 1. `rm -rf venv`
 2. `rm -rf __pycache__`

Project Compilation

1. `buildozer init` [type this command inside your project directory]
2. `gedit buildozer.spec`
 1. Title
 2. Package name
 3. Add « ttf » in the file extensions list [or any other necessary files : wav, gif, ...]
 4. `requirements = python3==3.7.5,hostpython3==3.7.5,kivy`
3. WARNING: kv files must be in lowercase [mv LeLab.kv lelab.kv]
4. WARNING: animated GIF are causing an issue -> comment it in the code
5. `buildozer -verbose android debug` [warning, there are 2 dashes characters before « verbose »]

Deploy on your Android phone

1. Check that USB is in DEBUG mode on your phone [developer options]
2. Connect your phone to your computer with a good quality USB cable.
3. Connect your phone to the VM
4. `buildozer -verbose android deploy`
5. `buildozer -verbose android run`

« All-in-one » command: `buildozer -verbose android debug deploy run`