EDphone
Moodle server
running in a smartphone

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EDphone, how

ED4free

Raspberry Pi

android

Rooted device

Linux Deploy App

File system :

../edphone/debian

../edphone

/html
/data
/nginx
/var/lib/mysql
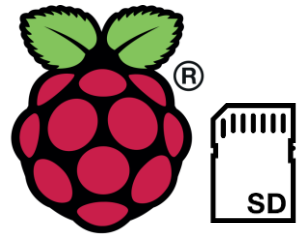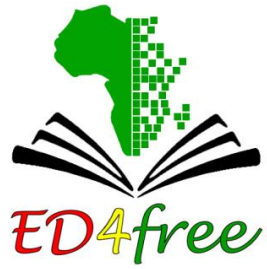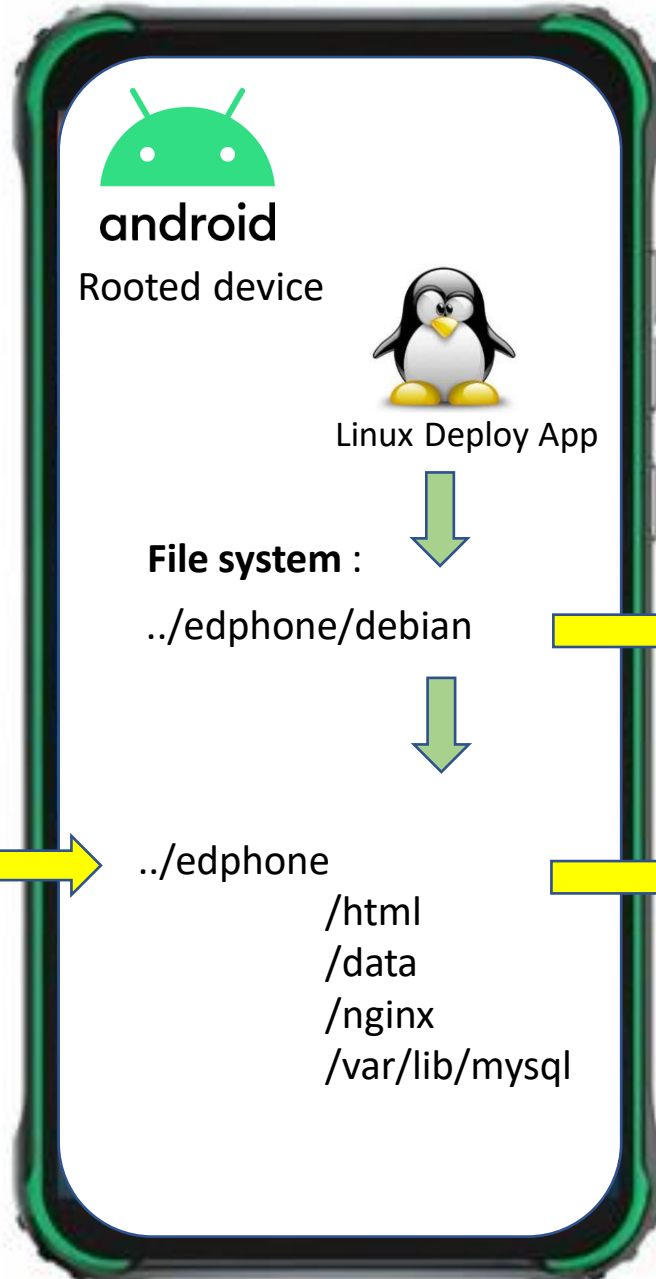
debian **os** , ARM, build with debootstrap by Linux Deploy,
Customized to be compliant with Raspberry OS environnent,
with symlinks pointing to common conf files.
Launched in a Chroot by Linux Deploy

Applicative servers, environment created on Raspberry PI

moodle ooo Nextcloud KIWIX WORDPRESS

Both Debian OS and Applicative server environment can be stored :
- in a external SD card, the same one used in the Raspberry PI.
- in the internal storage, copied from the Raspberry SD card.

EDphone, why

Which Use Case

- To equip teachers and trainers in developing countries where internet is not available or too expensive
- With the EDphone, they always have their own educational server with them, for:
  - Make courses
  - Allows their students to donwload their courses and others contents.

Which Potential

- EDphone works perfectly on recycled smartphone
- With 10,000 second-hand smartphones donated by a company, we can equip 10,000 teachers or 10,000 schools
- They will benefit 1 million end users (100 user per EDbox)