Raspbian Buster + PySide2 + LxQt

In questa pagina trovate l'immagine di Raspbian Buster, con le librerie PySide2 preinstallate, che utilizziamo nell'[articolo sul termostato touchscreen](). L'ambiente desktop è LXQt, invece del vecchio LXDE. L'immagine è stata prodotta su un Raspberry Pi 3B+, ma dovrebbe funzionare correttamente anche sui RaspberryPi 3 e sui RaspberryPi 2.

http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.001

http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.002

http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.003

http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.004

http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.005

http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.006

http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.007

http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.008

http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.009

http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.010

http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.011

http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.012

Se non volete scaricarvi tutta l'immagine, e preferite

installare solo le librerie, potete trovare qui le Qt5:

http://www.zorbaproject.org/raspberry/buster-lxqt/qt5.zip

e qui le PySide2:

http://www.zorbaproject.org/raspberry/buster-lxqt/pyside2.zip

Scompattati i file zip, potete installarli con il comando

Affinché l'installazione dei pacchetti abbia successo, bisogna avere già un sistema Raspbian Buster, che si può ottenere usando questo semplice script (grazie a nickfox-taterli):

Semplicemente, si modificano i repository da stretch a buster e si aggiorna il sistema.
Se si vuole usare uno schermo PiTFT di Adafruit, bisogna usare una versione modificata dello script ufficiale, reperibile con i comandi

Questo a causa dell'attuale mancanza del pacchetto tslib nei repository di Buster.

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Se volete un suggerimento d'impiego per questa distribuzione, e scoprire come utilizzare le librerie PySide2 per realizzare programmi Python dotati di interfaccia grafica, potete leggere l'articolo https://www.codice-sorgente.it/2019/01/un-termostato-touchscreen-con-raspberrypi/.

English

Here's a working image of Raspbian Buster, with PySide2

libraries preinstalled. LXQt is used as Desktop Environment instead of the old LXDE. This image has been built on a RaspberryPi 3B+, but it should work fine also on RaspberryPi3 and RaspberryPi2.

http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.001
http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.002
http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.003
http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.004
http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.005
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http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.007
http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.008
http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.009
http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.010
http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.011
http://www.zorbaproject.org/raspberry/buster-lxqt/rpi3b+buster.zip.012

If you don't want to download the entire image, and prefer to just install the libraries, you can find Qt5 here:

http://www.zorbaproject.org/raspberry/buster-lxqt/qt5.zip

and PySide2 here:

http://www.zorbaproject.org/raspberry/buster-lxqt/pyside2.zip

After unzipping these files, you can install all the packages running this command:

Please take note that it's only possible to install these packages if you're already running a Raspbian Buster. You can get Buster using [this simple script](#) (thanks to nickfox-taterli):

Basically, you just switch repositories from stretch to buster, and then upgrade the entire system.
If you want to use an Adafruit PiTFT touchscreen, you'll need to use a version of the install script different from the official one. You can get it running these commands:

This is needed because actually there are no packages for tslib in Buster repository.

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If you want to know how this Raspbian Buster image could be used, and you wanna know how to use PySide2 libraries to build Python programs with a Graphical User Interface, check out this article (actually only in Italian): https://www.codice-sorgente.it/2019/01/un-termostato-touchscreen-con-raspberrypi/.