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Subject: Re: Raspberry Pi

Posted by [navi](#) on Tue, 14 Oct 2014 09:36:37 GMT

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If anyone interested in emulating Raspberry Pi on i386 and get their software development going without getting into GPIO programming can use QEMU to do just that. here is a tutorial how to emulate raspberry pi on Linux and Windows.

QEMU Emulating Raspberry Pi the easy way (Linux or Windows!)  
<http://xecdesign.com/qemu-emulating-raspberry-pi-the-easy-way/>

QEMU Compiling for ARM (1176) emulation for Linux  
<http://xecdesign.com/compiling-qemu>

raspbian image:  
<http://www.raspberrypi.org/downloads>

I have tried and doing it for a hobby project for someone at this moment. I got the wheezy-raspbian happily emulating on QEMU on a Linux Mint on my laptop. At this moment I am working to create a GUI with Tkinter+Python to process and display some real-time data. On real raspberry system these data will be coming in via GPIO pins from a car engine. Also will be looking into a way to see if u++ can be use to do the GUI, though interacting with GPIO will be a challenge along with cross compiler going as discussed on this thread. Thus at this point only concentrating on ready made setup (Tkinter+Python).

p.s. if you want to run QEMU on an OS inside VirtualBox, make sure you have mouse integration disabled on VirtualBox. Or else QEMU can't get the mouse working properly.

Regards,  
navi

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