

Task1.Install httpd+php+mysql

Date: 3/19 2015

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Purpose

1. Learn to install software in Raspberry pi
2. Learn to install and configure http/php/mysql

Equipment

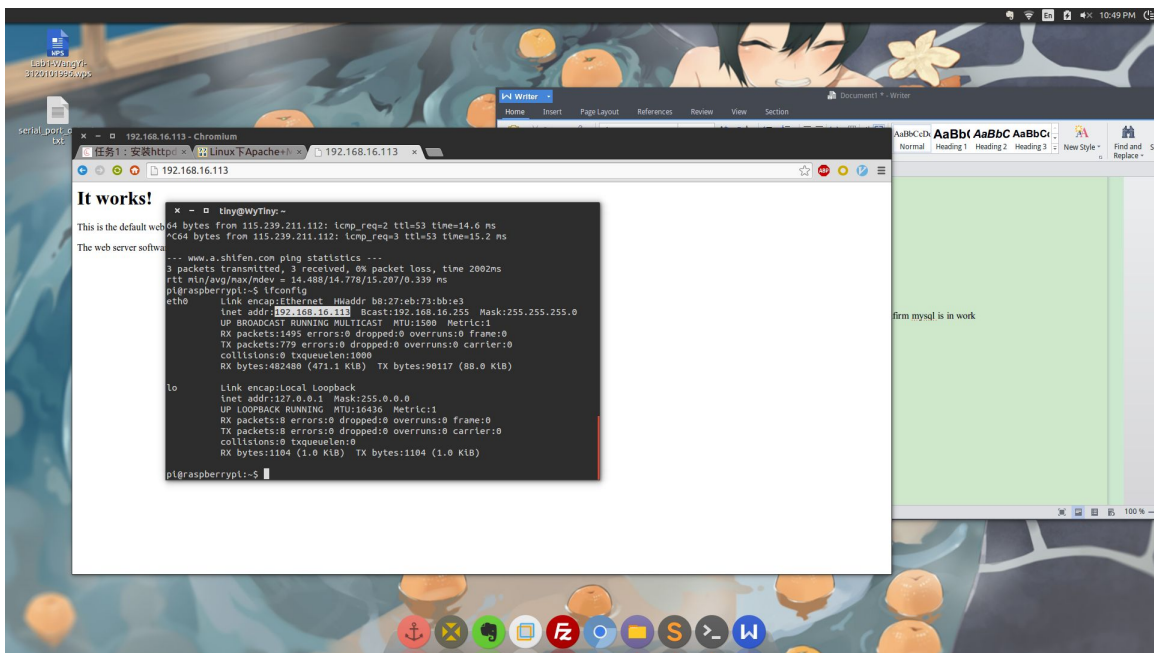
1. Raspberry pi
2. Net wire
3. USB-TTL serial port wire
4. 5V power
5. PC (Ubuntu 14.04)

Steps

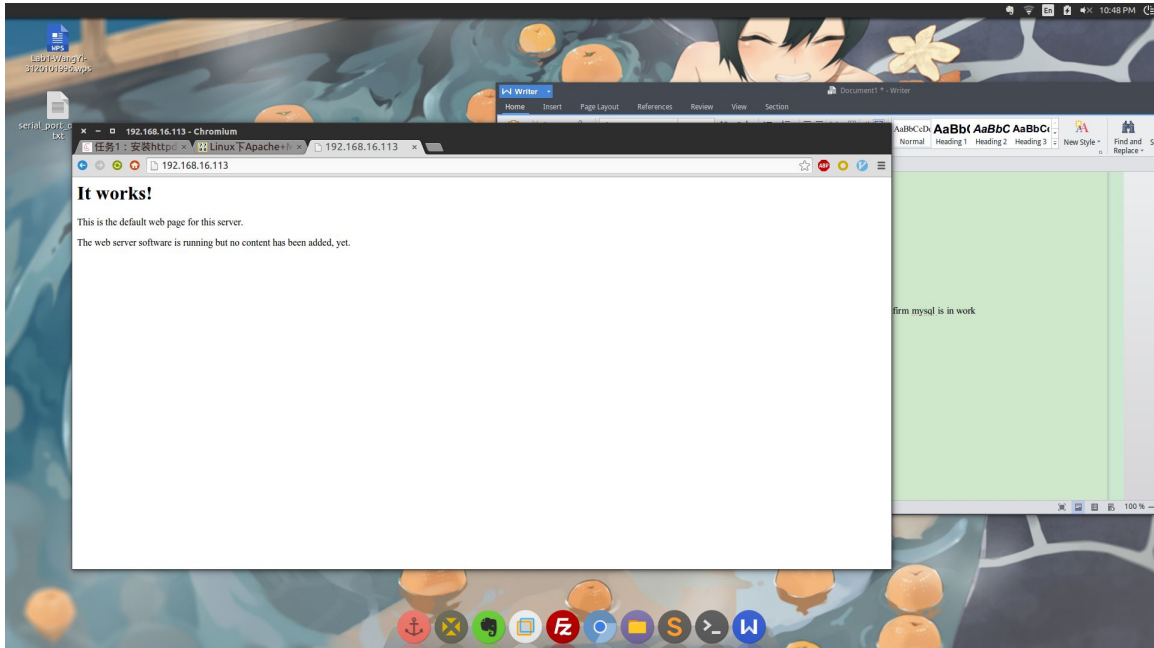
1. Install apache with the command line:
`sudo apt-get install apache apache2`
2. Confirm that apache is installed and in work
3. Install php and modify the configuration:
`Sudo apt-get install php5`
4. Install mysql and modify the configuration:
`Sudo apt-get install mysql-server`
5. Write a php script that send query to mysql to confirm mysql is in work



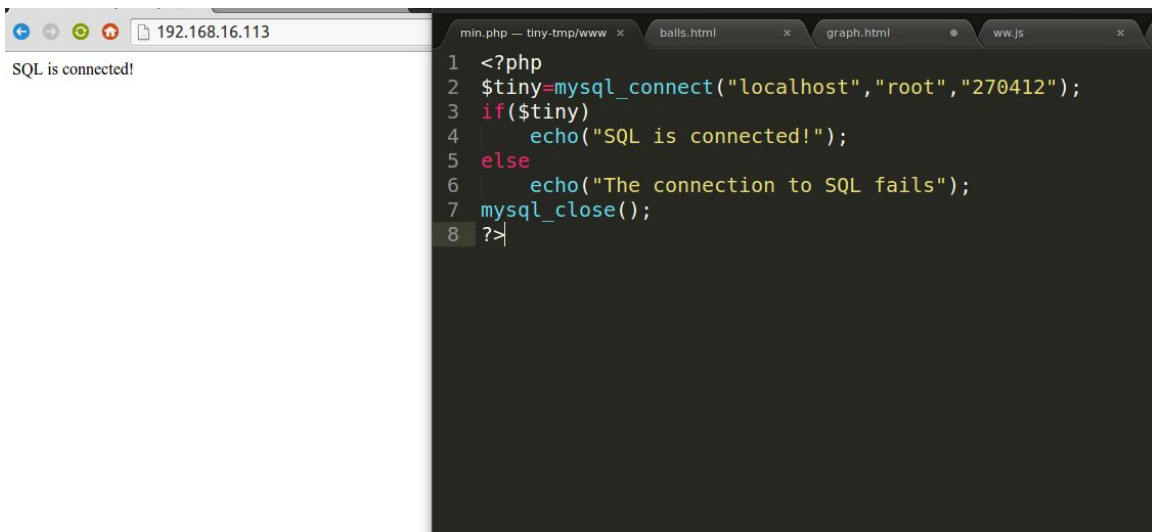
Connect the device to the router



Get the ip of device (using #ifconfig)



After installing the php/apache, the localhost (ip in LAN:192.168.16.113) works well



After installing mysql, write a php script performing sql query to test the connection.

The main problem I encountered during the experiment is that I cannot install mysql-server using the command “sudo apt-get install mysql-server”. The foreign software source will always return 404 error. And I also tried to install it by downloading binary file(with wget command). It came to another awkward situation: the installation of cmake failed. At end, I changed the source to domestic image sites and tackled the problem. (I should have taken it into consideration first.)

I write the report in English for the wps on my PC is not well compatible with Chinese

input.