

任务一：安装 httpd+php+mysql

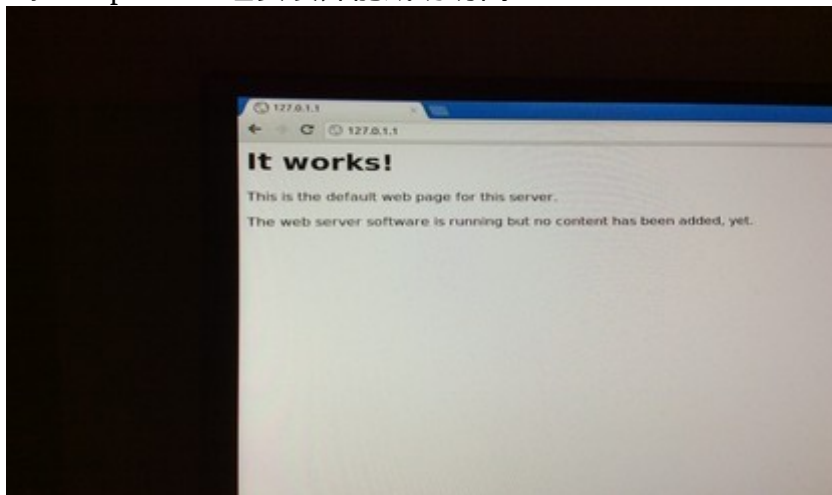
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1. 在 pcDuino 上安装并配置 apache

```
root@acadia:~# is
root@acadia:~# apt-get update
Ign http://ports.ubuntu.com precise InRelease
Hit http://ports.ubuntu.com precise Release.gpg
Ign http://ppa.launchpad.net precise InRelease
Hit http://ports.ubuntu.com precise Release
Hit http://ppa.launchpad.net precise Release.gpg
Hit http://ppa.launchpad.net precise Release
Hit http://ports.ubuntu.com precise/main Sources
Hit http://ppa.launchpad.net precise/main Sources
Hit http://ports.ubuntu.com precise/universe Sources
Hit http://ports.ubuntu.com precise/main amd64 Packages
Hit http://ports.ubuntu.com precise/universe amd64 Packages
Hit http://ports.ubuntu.com precise/main TranslationIndex
Hit http://ports.ubuntu.com precise/universe TranslationIndex
Hit http://ppa.launchpad.net precise/main amd64 Packages
Hit http://ports.ubuntu.com precise/main Translation-en
Hit http://ports.ubuntu.com precise/universe Translation-en
Ign http://ppa.launchpad.net precise/main TranslationIndex
Ign http://ppa.launchpad.net precise/main Translation-en
Reading package lists... Done
root@acadia:~# apt-get install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  apache2-mpm-worker apache2-utils apache2.2-bin apache2.2-common libapr1 libaprutil1 liba
Suggested packages:
  apache2-doc apache2-suexec apache2-suexec-custom ufw
Recommended packages:
  ssl-cert
The following NEW packages will be installed:
  apache2 apache2-mpm-worker apache2-utils apache2.2-bin apache2.2-common libapr1 libaprutil1 liba
0 upgraded, 9 newly installed, 0 to remove and 0 not upgraded.
Need to get 1590 kB of archives.
After this operation, 4209 kB of additional disk space will be
Do you want to continue [Y/n]? y
WARNING: The following packages cannot be authenticated!
  libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap
Authentication warning overridden.
Get:1 http://ports.ubuntu.com/ubuntu-ports/ precise/main liba
Get:2 http://ports.ubuntu.com/ubuntu-ports/ precise/main liba
Get:3 http://ports.ubuntu.com/ubuntu-ports/ precise/main liba
Get:4 http://ports.ubuntu.com/ubuntu-ports/ precise/main liba
Get:5 http://ports.ubuntu.com/ubuntu-ports/ precise/main apaci
Get:6 http://ports.ubuntu.com/ubuntu-ports/ precise/main apaci
Get:7 http://ports.ubuntu.com/ubuntu-ports/ precise/main apaci
87% [7 apache2.2-common 20.5 kB/227 kB 10%]
```

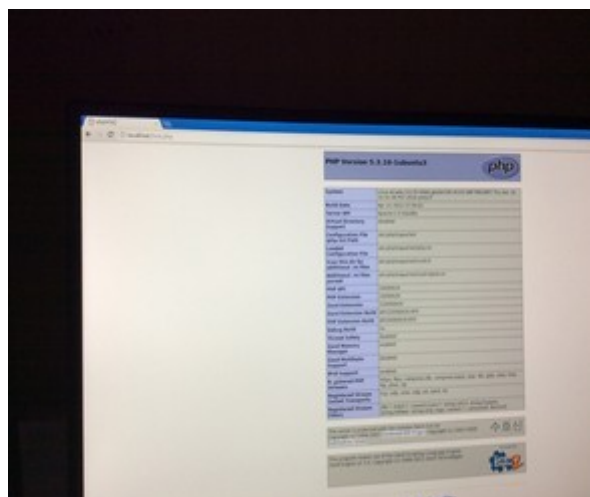
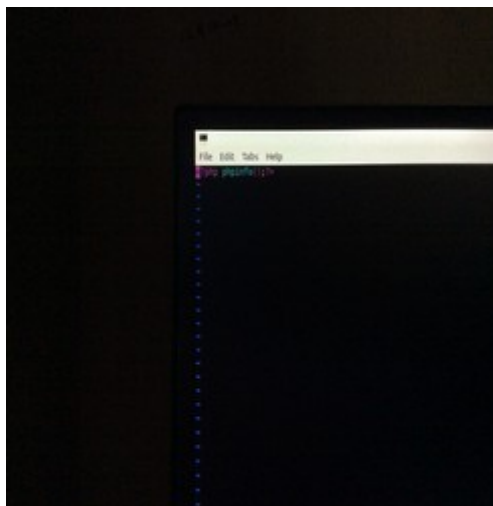
2. 验证 apache 已经安装并能成功访问



3. 在 pcDuino 上安装并配置 php

```
Sorry, passwords do not match
passwd: Authentication token manipulation error
passwd: password unchanged
root@Acadia:/home/linaro# exit
exit
linaro@Acadia:~$ ls
Arduino Desktop Documents Downloads Music Pictures Public Templates Videos
linaro@Acadia:~$ cd /var
linaro@Acadia:/var$ ls
backups cache lib local lock log mail opt run spool temp www
linaro@Acadia:/var$ cd www
linaro@Acadia:/var/www$ ls
index.html
linaro@Acadia:/var/www$ vim index.html
linaro@Acadia:/var/www$ sudo apt-get install libapache2-mod-php5 php5
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  apache2-mpm-prefork php5-common
Suggested packages:
  php-pear php5-suhosin
Recommended packages:
  php5-cli
The following packages will be REMOVED:
  apache2-mpm-worker
The following NEW packages will be installed:
  apache2-mpm-prefork libapache2-mod-php5 php5 php5-common
0 upgraded, 4 newly installed, 1 to remove and 0 not upgraded.
```

4.写一个 php 脚本验证 php 已经安装成功



5.在 pcDuino 上安装并配置 mysql

```
linaro@Acadia:~$ vim test.php
linaro@Acadia:/var/www$ sudo apt-get install mysql-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  libdbd-mysql-perl libdbi-perl libmysqlclient18 libnet-daemon-perl liblprc-perl
Suggested packages:
  libterm-readkey-perl tinyca mailx
Recommended packages:
  libhtml-template-perl
The following NEW packages will be installed:
  libdbd-mysql-perl libdbi-perl libmysqlclient18 libnet-daemon-perl liblprc-perl
0 upgraded, 5 newly installed, 0 to remove and 0 not upgraded.
Need to get 25.3 MB of archives.
After this operation, 85.6 MB of additional disk space will be used.
Do you want to continue [Y/n]? y
WARNING: The following packages cannot be authenticated!
  mysql-common libmysqlclient18 libnet-daemon-perl liblprc-perl libdbi-perl
Authentication warning overridden.
Get:1 http://ports.ubuntu.com/ubuntu-ports/ precise/main mysql-common all 5.5.23-0ubuntu0.10.1 [10.1 kB]
Get:2 http://ports.ubuntu.com/ubuntu-ports/ precise/main libmysqlclient18 ar 5.5.23-0ubuntu0.10.1 [10.1 kB]
Get:3 http://ports.ubuntu.com/ubuntu-ports/ precise/main libnet-daemon-perl ar 0.01-3 [10.1 kB]
Get:4 http://ports.ubuntu.com/ubuntu-ports/ precise/main liblprc-perl all 0.01-3 [10.1 kB]
Get:5 http://ports.ubuntu.com/ubuntu-ports/ precise/main libdbi-perl armhf 1.8.6-1 [10.1 kB]
4% [5 libdbi-perl 31.4 kB/842 kB 4%]
```

```

+-----+-----+
| def    | information schema | CHARACTER SETS |
| NULL   | utf8_general_ci   | NULL           | max_row
+-----+-----+
1 row in set (0.03 sec)

mysql> select TABLE_CATALOG from TABLES limit 1;
+-----+
| TABLE_CATALOG |
+-----+
| def             |
+-----+
1 row in set (0.00 sec)

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| test       |
+-----+
2 rows in set (0.00 sec)

mysql> exit

```

6. 写一个 php 脚本访问 mysql，验证 mysql 安装成功

```

<?php
$con = mysql_connect("localhost", "root", "0000");
if (!$con)
{
    echo "die";
    die("Could not connect: ". mysql_error());
}
mysql_select_db("information_schema", $con);
$sql = "select TABLE_CATALOG from TABLES limit 1";
$result = mysql_query($sql, $con);
if ($result)
{
    $record = mysql_fetch_row($result);
}
else
{
    die("query failed");
}
echo "The record is $record[0].<br />";
?>

```

