何静轩

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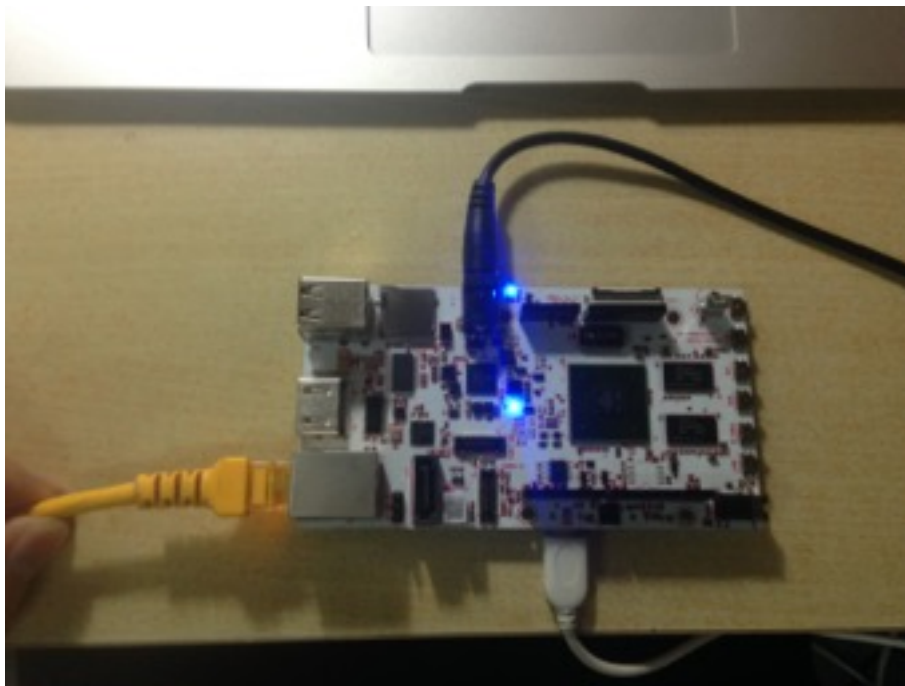
March 19, 2015

安装httpd+mysql+php

实验器材：acadia + Ubuntu；

实验环境：OS X 10.10.2 + iTerm；

首先将acadia与电源、网线和PC连接。

用minicom在iTerm中连接acadia，输入以下命令安装Apache、MySQL、PHP以及PHP访问MySQL所需的库。其中，安装MySQL过程中会要求输入root用户的密码。

```
sudo apt-get install apache2
sudo apt-get install mysql-server
sudo apt-get install php5
sudo apt-get install php5-mysql
```

安装过程如下：


```
root@Acadia:~# sudo 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 libaprutil1-dbd-sqlite3 libaprutil1-ldap
Suggested packages:
  apache2-doc apache2-suexec apache2-suexec-custom ufw
Recommended packages:
  ssl-cert
```

```
[ OK ]
Setting up apache2 (2.2.22-1ubuntu1) ...
Processing triggers for libc-bin ...
ldconfig deferred processing now taking place
root@Acadia:~# 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
  libplrpc-perl mysql-client-5.5 mysql-client-core-5.5 mysql-common
  mysql-server-5.5 mysql-server-core-5.5
```

```
150319 22:56:16  InnoDB: Starting shutdown...
150319 22:56:17  InnoDB: Shutdown completed; log sequence number 1595675
mysql start/running, process 6407
Setting up mysql-server (5.5.22-0ubuntu1) ...
Processing triggers for libc-bin ...
ldconfig deferred processing now taking place
root@Acadia:~# sudo apt-get install php5
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following extra packages will be installed:
  apache2-mpm-prefork libapache2-mod-php5 php5-common
```
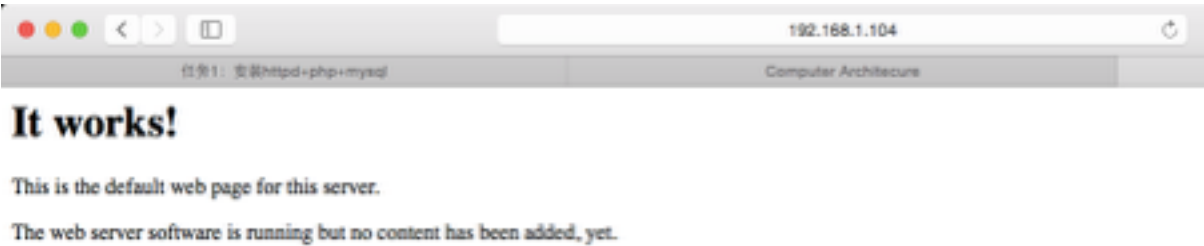
```
 * Restarting web server apache2          apache2: Could not reliably det
   ... waiting apache2: Could not reliably determine the server's fully q
[ OK ]
Setting up php5 (5.3.10-1ubuntu3) ...
root@Acadia:~# sudo apt-get install php5-mysql
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
```

安装完，我分别对他们进行了测试。

首先，用ifconfig命令获得acadia的IP地址，为192.168.1.104。

然后在PC浏览器(PC和acadia处于局域网)访问这个ip地址，得到以下结果，说明Apache安装配置正确。

It works!

This is the default web page for this server.

The web server software is running but no content has been added, yet.

然后，我们进入/var/www，删除index.html文件，创建index.php文件，并输入以下内容：

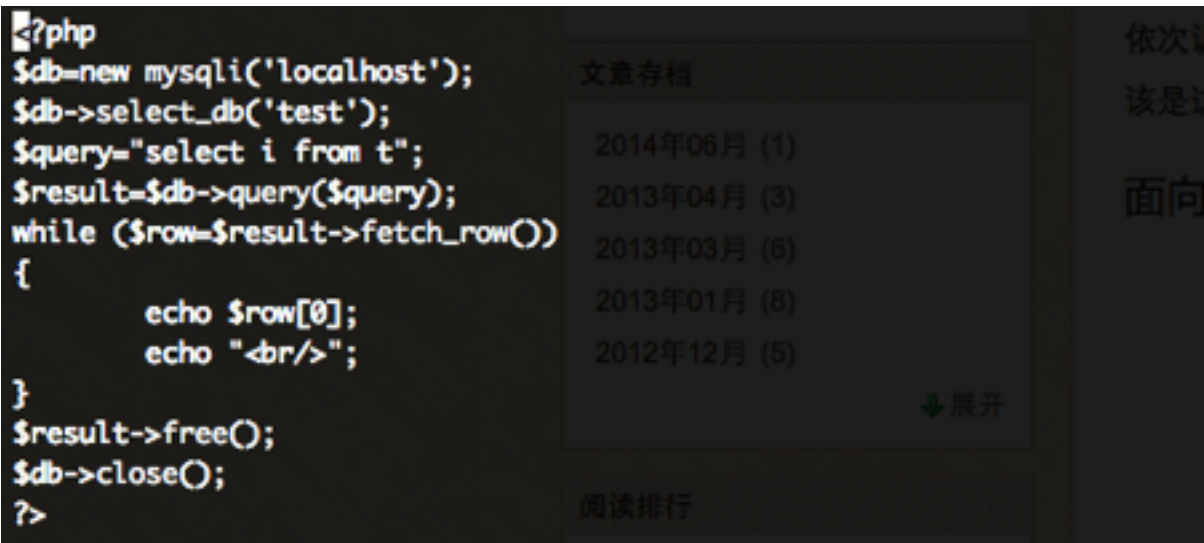然后再次访问192.168.1.104，得到以下结果，说明PHP配置正确。
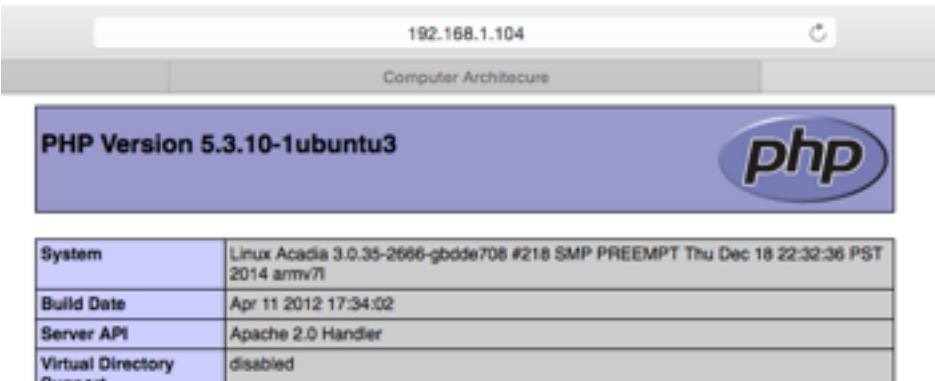
之后，我们进入MySQL，在test数据库中创建一个表名为t的表，包含一个为INT类型的字段，再往表中插入0和1两条数据。
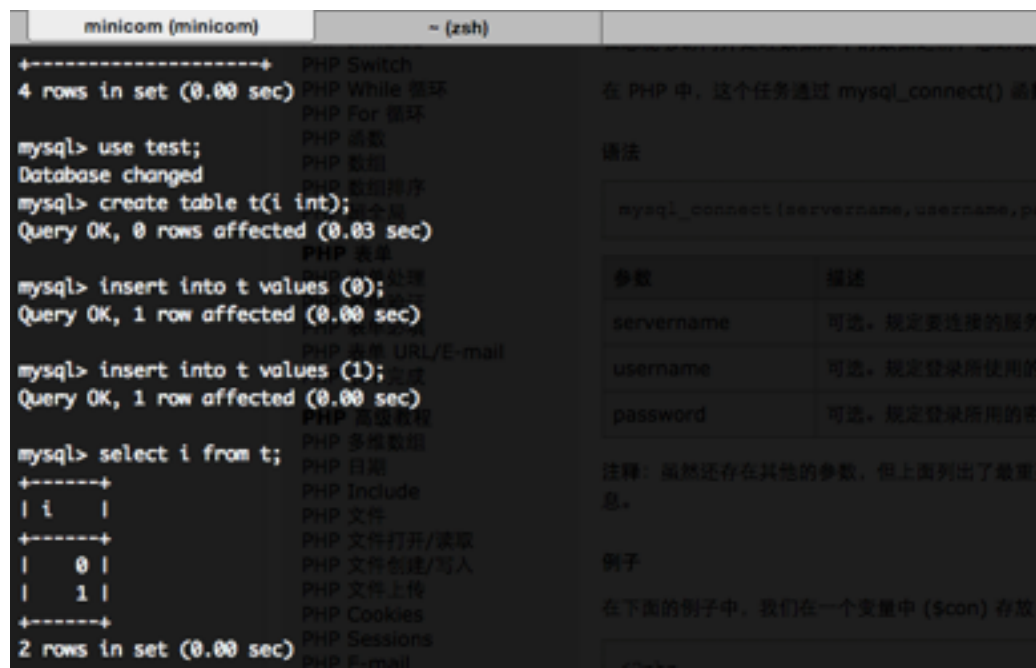
之后，将/var/www/index.php的内容改为：


```php
<?php
$db=new mysqli('localhost');
$db->select_db('test');
$query="select i from t";
$result=$db->query($query);
while ($row=$result->fetch_row())
{
        echo $row[0];
        echo "<br/>";
}
$result->free();
$db->close();
?>
```

重新进入192.168.1.104，得到以下结果，我们插入的数据显示在了网页上：

至此，Apache、MySQL和PHP全部配置成功。