



Raspberry Pi Samba Server and Share /var/www/



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This tutorial will be about how to install samba server and share /var/www/ directory. Why am I sharing /var/www/ ? Because Raspberry PI I use as a server without graphical environment and I work on Windows. That is why it will be easier for me to edit

PHP scripts. **This article can also see here:**

[Raspberry Pi Samba server and share /var/www/](#)



Step 1: Installation

Install the apache2 package by typing the following command in to the Terminal:

```
sudo apt-get update  
sudo apt-get install apache2
```

Then we install PHP.

```
sudo apt-get install php5 libapache2-mod-php5
```

Installation of the samba server and client.

```
sudo apt-get install samba samba-common-bin smbclient
```

Step 2: Samba Server Configuration

Give password to pi user. This password will be used when logging in to the samba server.

```
sudo smbpasswd -a pi
```

Modify the smb.conf file.

```
sudo nano /etc/samba/smb.conf
```

Find the **[homes]** section and change as shown below:

```
browseable = yes  
read only = no  
create mask = 0775
```

At the end of the file, add a new section **[www]**

```
[www]  
path = /var/www  
valid users = pi  
create mask = 0770  
directory mask = 0771  
writable = yes
```

After configuration we reset the samba server.

```
/etc/init.d/samba restart
```

Step 3: Apache Setting

mpm-itk allows you to run each of your vhost under a separate **UID** and **GID**.

Installing apache2-mpm-itk.

```
apt-get install apache2-mpm-itk
```

I want all scripts to run as a **pi** user. For the following command, I change the owner and group of all files.

```
chown -R pi:users /var/www/
```

Modify the 000-default.conf file.

```
nano /etc/apache2/sites-available/000-default.conf
```

Under the **DocumentRoot /var/www/html** line, add:

```
<ifmodule mpm_itk_module>  
  AssignUserID pi users  
</ifmodule>
```

Restart the apache.

```
/etc/init.d/apache2 restart
```

Step 4: Checking Samba Under Windows

We log into samba server under WIN. I type the IP of my Raspberry PI, but you can also use the hostname. To login, enter the user "pi" and password you gave in the previous step.

Then remove "index.html" and create "index.php" with content:

```
<?php
echo "whoami: " . exec('whoami')."\\n\\n<br>";
?>
```

To test the script, I typed in the browser the following address ***http://192.168.0.17/index.php***. Where ***192.168.0.17*** is the IP of my Raspberry PI. In response it gets ***whoami: pi***.

