



TECHNICAL PAPER

Web Office Installation Guide
Supplement: Linux Installation

April, 2005

A HomeMeeting Inc. Official Document

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This supplement provides instruction for installing PHP Linux-based Web Office Server through a remote Windows-based client within the same internal network. The same installation procedure shall be applied to Linux-based installation as well.

Before the installation, please check the version for both PHP and Apache on your Linux server by the following commands:

```
[brucelee@server brucelee]$ rpm -qa | grep php
php-1dap-4.2.2-17
php-imap-4.2.2-17
php-4.2.2-17
[brucelee@server brucelee]$ rpm -qa | grep httpd
httpd-manual-2.0.40-21
httpd-2.0.40-21
[brucelee@server brucelee]$
```

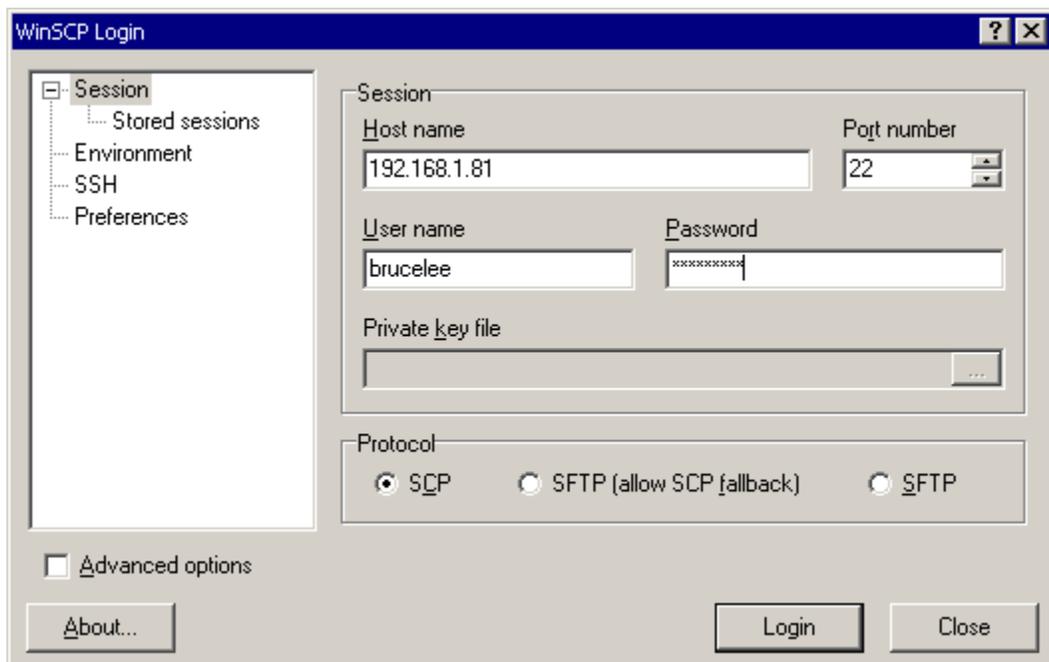
HomeMeeting recommends PHP version 4.0.6 or higher and Apache 1.3 or 2.0 (or higher version)

Step 0a: Go to web page <http://download.homemeeting.com/tools>, download and save the tools **winscp_3.3.0.exe** and **putty_0.53b.exe** at windows client.

Step 0b: Download and save “setup_weboffice_(version).tgz” and “keycode.xml” at the windows client.

Step 0c: Activate SSH service at Linux server. English version Linux is recommended. To activate the SSH service, simply issue command **/etc/rc.d/init.d/sshd start**. In this example, **brucelee@192.168.1.81** is assumed as the Linux user account.

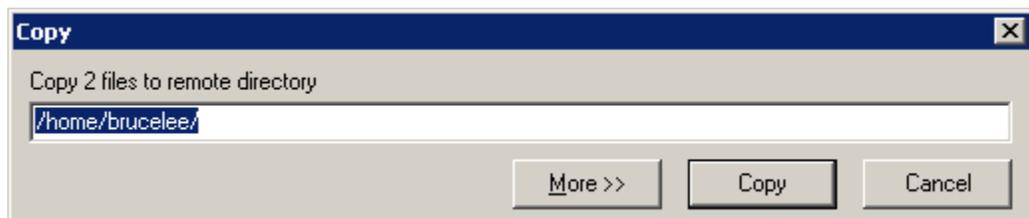
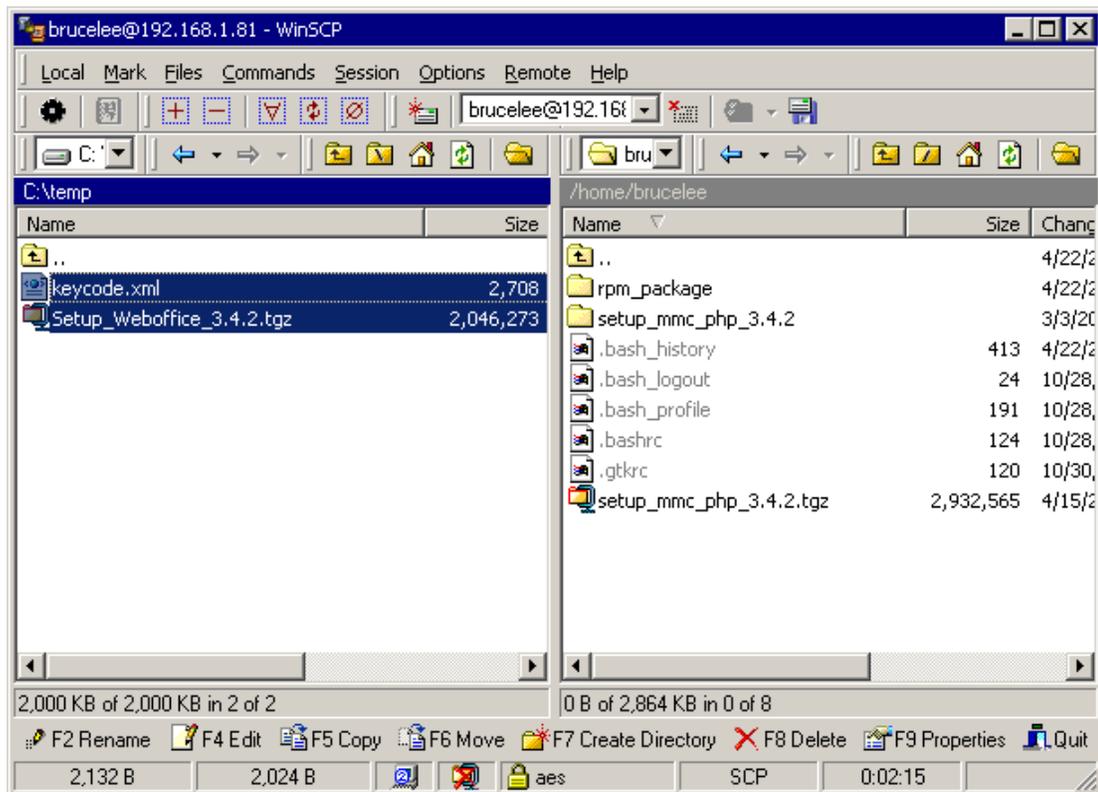
Step 1: Connect with Linux server to transfer the files. Double click on winscp_3.3.0.exe file, and enter the host name, user name and password to login the Linux server



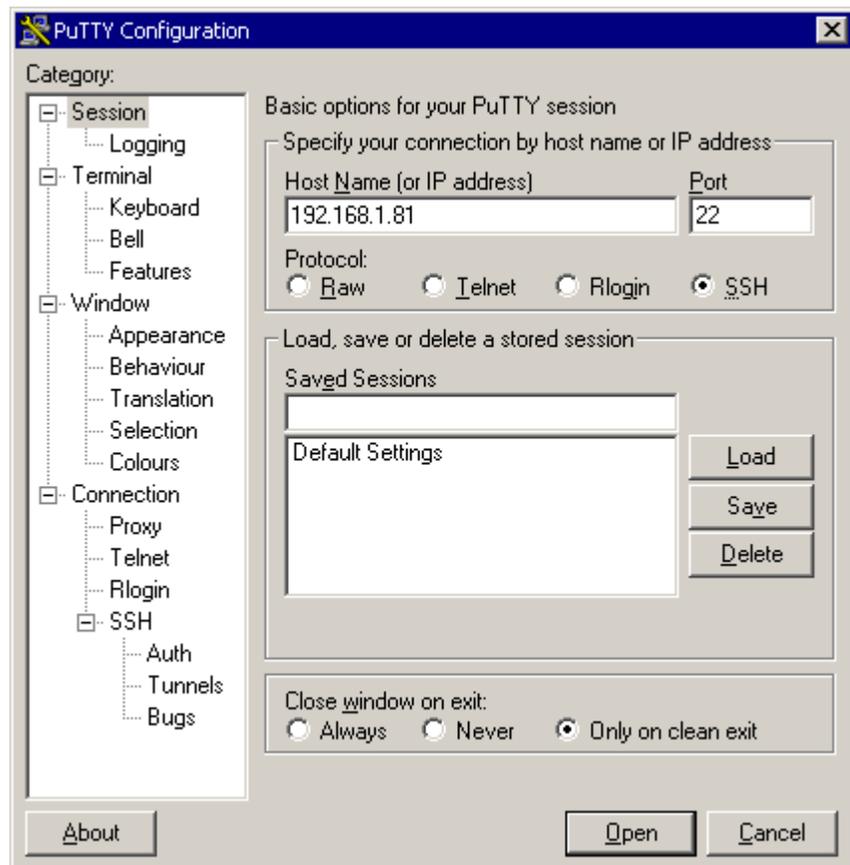
If you connect to the server for the first time, the following warning message may popup. Click “Yes” to continue.



Step 2: Once login, select “setup_weboffice_(version).tgz” and “keycode.xml” files, drag to “brucelee” folder, and click on the copy button to copy the files over the Linux server.



Step 3: Double click on putty_0.53b.exe file, and enter the Host Name to telnet the Linux server. Make sure you select SSH Protocol.



Port 22 is the popular port assigned to SSH. When you change the selected protocol, the number in the "Port" box will change. If your server provides login services on a non-standard port, your system administrator should have told you which one.

If you are using SSH to connect to a server for the first time, you will probably see a message looking something like this:



This is a feature of the SSH protocol to make sure that you are connecting the right server. Hit yes and login: (DO NOT login as root user)

Step 4: Extract the compressed archive “Setup_Weboffice_(version).tgz”. Copy keycode.xml to the new directory, “Setup_Weboffice_(version)”. Change user to “root”. Change directory to the new directory, “Setup_Weboffice_(version)”.

```
brucelee@server:/home/brucelee/Setup_Weboffice_3.4.2
[brucelee@server brucelee]$ ls
keycode.xml  setup_mmc_php_3.4.2      Setup_Weboffice_3.4.2.tgz
rpm_package  setup_mmc_php_3.4.2.tgz
[brucelee@server brucelee]$ tar xzf Setup_Weboffice_3.4.2.tgz
[brucelee@server brucelee]$ ls
keycode.xml  setup_mmc_php_3.4.2      Setup_Weboffice_3.4.2
rpm_package  setup_mmc_php_3.4.2.tgz  Setup_Weboffice_3.4.2.tgz
[brucelee@server brucelee]$ cp keycode.xml Setup_Weboffice_3.4.2
[brucelee@server brucelee]$ su
Password:
[root@server brucelee]# cd Setup_Weboffice_3.4.2
[root@server Setup_Weboffice_3.4.2]#
```

Step 5: Start installation by issuing command: `./webofficeinstall.pl install`.

```
brucelee@server:/home/brucelee/Setup_Weboffice_3.4.2
[root@server Setup_Weboffice_3.4.2]# ./webofficeinstall.pl install

Please enter the Weboffice Server installation directory
Weboffice Server installation directory [/usr/local/mcu/weboffice]:

Please enter the MCU primary port number
Primary port number [2333]:

Please enter the MCU secondary port number
Enter 0 if you don't want to set secondary port.
Secondary port number [443]:

Please enter your company name to be shown on the web office home page
.
In addition to text, a logo can be displayed by entering a HTML image
tag.
Note, you must enter the tag in XML style by inserting slash character
"/"
before the closing tag ">", for example:
  
Company Name [My Company Name]:Homemeeting

Set the IP address that listening to JoinNet clients' connection.
If you decide to set the MCU to listen all interfaces, set it to 'all'
Listen IP [192.168.1.81]:

Please enter an email server that can relay email for Web Office Serve
r.
Email Server [homemeeting.com]:

Please enter the email of the message notification email sender.
Message Nofication Email Sender [support@homemeeting.com]:
```

```
brucelee@server:/home/brucelee/Setup_Weboffice_3.4.2

Please enter the server password:12345

Please confirm the server password:12345

Please confirm the following options:

Web Office Server installation directory = /usr/local/mcu/weboffice
Company Name = Homemeeting
MCU primary port = 2333
MCU secondary port = 443
Listen IP = 192.168.1.81
Email Server = homemeeting.com
Message Notification Email Sender = support@homemeeting.com

Do you want to make changes before the installation starts?
Make changes? [no]: █
```

Note that “keycode.xml” is the official server license distributed by HomeMeeting’s agents. The server can still be installed without the license—but it will not be able to run without “keycode.xml”. Finally, confirm all the settings and start installation.

Step 6: Change directory to /etc/init.d/ as root user. Start Apache web server and MCU server.

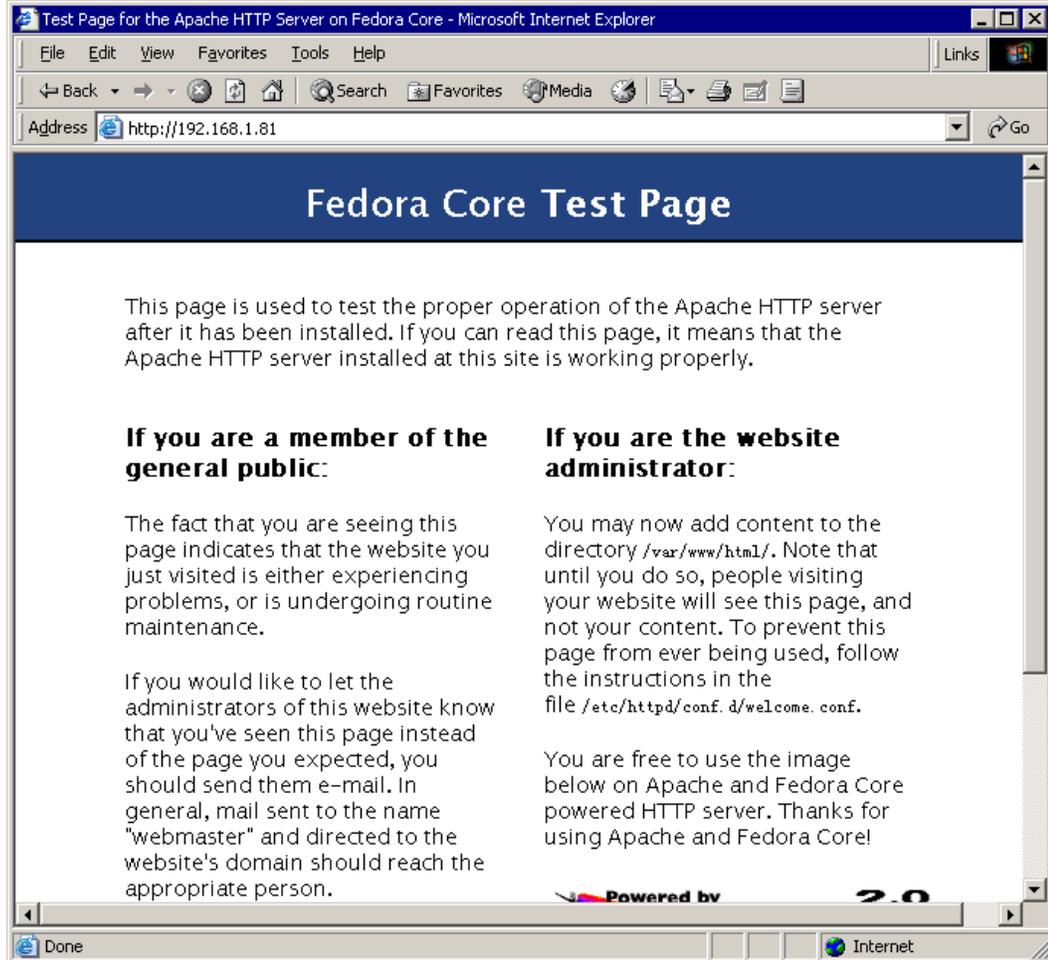
```
brucelee@server:/etc/init.d
[root@server Setup_Weboffice_3.4.2]# cd /etc/init.d/
[root@server init.d]# ./webofficed start
Starting up weboffice
ulimit -n 16384
ulimit -c unlimited
Web Office MCU: reading configuration file...
[root@server init.d]# Web Office MCU trying to get authorization...
Web Office MCU 3.4.2 (built on 03/01/2005) begins service.
[root@server init.d]# █
```

Though MCU server will automatically after reboot, you shall better set Apache web server to run automatically as well.

```
[root@server init.d]# cd /etc/rc.d/rc3.d
[root@server rc3.d]# ls
←K not auto start; S denotes auto start
....
[root@server rc3.d]# /sbin/chkconfig --level 345 http on
←run Apache automatically
[root@server rc3.d]# /sbin/chkconfig --level 345 httpd off
←do not run Apache automatically
```

Step 7: Check Apache web server by browsing http://server_ip (in our case, this shall be <http://192.168.1.84>). If Apache web server is running, you shall see the following web page. Note that, by default, Apache will not start automatically after reboot. You can

issue command as a root user, `/sbin/chkconfig --level 345 httpd on`, to run Apache automatically after starting Linux.



Step 8: Check the MCU server. If the MCU is running, you shall see the following web page by browsing http://server_ip:2333 or http://server_ip:443. Notice that port 2333 and 443 are the default settings for MCU server. You can change the port number by editing “configm.ini”. Port 443 is the popular port for HTTPS. See *Getting Started with Web Office System*.

Step 9: Check the Web Office PHP web page generated by Apache web server by browsing http://server_ip/weboffice. See *Getting Started with Web Office System*.

Remarks:

1. It is strongly recommended that you set up Web Office server to a newly installed Linux server.
2. Re-install Web Office server will back existing files to files with extension “old”. If the “old” files are not removed before a re-installation of Web Office server, the installation will not proceed.

3. Make sure “jnj_ip” in the MCU configuration file (config.ini) is set correctly if “Listenip” of the mcu is not specified in the configuration file. Leave “jnj_ip” unset may be resulted in jnj_ip=127.0.0.1.
4. Make sure the following command is set in the PHP configuration (/etc/php.ini): short_open_tag=On, and be sure to restart Apache after editing php.ini by issuing command: /etc/rc.d/init.d/httpd start.
5. The installation assumes the web user is “apache”.
6. The default web directory is assumed to be “/var/www/html”.
7. You better put “/” to an end of any URL that your want to browse; for example, <http://192.168.1.108/weboffice/>.
8. The configuration file of MCU server, i.e., “config.ini”, is under the directory /usr/local/mcu/weboffice.
9. To uninstall Web Office Server, type **./webofficeinstall.pl uninstall** in the same directory you issue installation command.
10. To stop MCU server, type **./webofficed stop** under the directory /etc/init.d/.
11. Detailed instruction for Web Office Server can be found in *Getting Started with Web Office Server*.