

Instructions for installing Ubuntu Web Server on remote host

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- **SSH** access protocol to remote **host**
- The host must be absolutely 'clean', meaning that no software has been installed and no new accounts have been created

To start, open **Terminal** (if in Windows, you can use PuTTY) and make an **SSH** connection to the **host** . The first thing to do here is to update the current status so that the host can use all the software and applications:

```
sudo apt-get update && sudo apt-get upgrade
```

If you are logged in as a root account, it is best to change your password and create another account, because it works directly with a relatively risky root account if you have not yet mastered the necessary techniques. The next operation will be applied on the newly created account.

To change the password of the root account:

```
passwd
```

Create new:

```
adduser # username "replace" with your account name
```

The system will ask you to enter a new password and information

```
root@tutscademy: ~
File Edit View Search Terminal Help
Adding user `tutscademy' ...
Adding new group `tutscademy' (1000) ...
Adding new user `tutscademy' (1000) with group `tutscademy' ...
Creating home directory `/home/tutscademy/' ...
Copying files from `/etc/skel' ...
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for tutscademy
Enter the new value, or press ENTER for the default
Full Name []:
Room Number []:
Work Phone []:
Home Phone []:
Other []:
Is the information correct? [Y/n] y
```

Assign this new account to the **sudo** group:

```
adduser username sudo
```

When finished, we must disconnect the current **SSH** and log back in with the new account. The next thing to do here is to install the **LAMP Server** , since there is no **Synaptic** or **Ubuntu Software Center** here, you will have to do it all via **Terminal** :

```
sudo apt-get install tasksel
```

```
sudo tasksel install lamp-server
```

During installation, the system will ask the user to declare some information as follows:

```
File Edit View Search Terminal Help
Package configuration

Configuring mysql-server-5.1
While not mandatory, it is highly recommended that you set a password
for the MySQL administrative "root" user.

If this field is left blank, the password will not be changed.

New password for the MySQL "root" user:
[REDACTED]
<ok>
```

When finished, open your browser and type in the domain or IP address of the remote host. If it shows the results of It Works as shown below, we have succeeded:

It works!

This is the default web page for this server.

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

To secure MySQL, you type:

```
mysql_secure_installation
```

then the system will ask a few questions as follows:

- **Change the root password?** If you already have a strong and secure password, just press **n**
- **Remove anonymous users?** Press **y**
- **Disallow root login command?** Press **y**
- **Remove test database and access to it?** Press **y**
- **Reload privilege table now?** Press **y**

So basically, we have completed the process of setting up the web server system on the remote host.

Some other components:

Below is a list of some essential applications and utilities. Such as:

1. phpMyAdmin :

Basically this is an installation program, setting up the database easily with a graphical interface. Since it can be accessed via the web interface, many users have thought that it will not guarantee security and become a security vulnerability for hackers to attack and database systems with brute force. Type the following command to install:

```
sudo apt-get install phpmyadmin
```

Then, you open the browser and type in the address `http:// your-ip-address / phpmyadmin` , if you see the page **phpMyAdmin** means it was successful. Otherwise, you must assign a few extra lines of code to **Apache** 's **conf** file:

```
sudo nano /etc/apache2/apache2.conf
```

Add the following line:

```
Include /etc/phpmyadmin/apache.conf
```

Save changes and exit the editing program. Then restart **Apache** :

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

Some steps to configure **Apache** in **Ubuntu** can be found here.

2. Installing FTP Server:

If you want to access the remote host via **FTP** , we need to install the **FTP server** utility. There are several FTP applications that can be used, the example here is vsftpd:

```
sudo apt-get install vsftpd
```

And also don't forget to assign an existing user account to the **ftp** group:

```
sudo adduser ftp username
```

3. Webmin installation :

Webmin is a free web-based control application for administrators to manage server systems without having to use the command line:

```
sudo nano /etc/apt/sources.list
```

and assign the following code to the end of the file:

```
deb http://download.webmin.com/download/repository sarge contrib
```

```
deb http://webmin.mirror.somersettechsolutions.co.uk/repository sarge contrib
```

After that, enter the **GPG** key key:

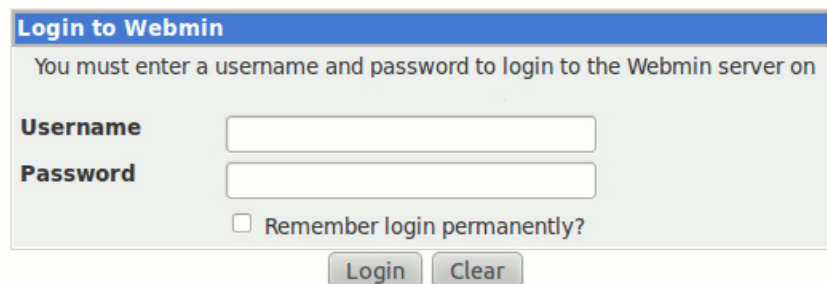
```
wget http://www.webmin.com/jcameron-key.asc
```

```
sudo apt-key add jcameron-key.asc
```

Webmin installation:

```
sudo apt-get update
```

```
sudo apt-get install webmin
```



Login to Webmin

You must enter a username and password to login to the Webmin server on

Username

Password

Remember login permanently?

After that, we can access webmin via the browser by typing the address: *https://10.xxx:10000/*

Good luck!

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