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How to Setup a Complete Mail Server (Postfix) using 'SquirrelMail' (Webmail) on Ubuntu/Debian

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Creating a mail server on Linux powered machines can be one of the most essential things that every system administrator needs to do while configuring his servers for the first time, if you don't know what it means; it's simple, if you have a website like "**example.com**", you can create an email account like "**username@example.com**" to use it to send / receive emails easily instead of using services like Hotmail, Gmil, Yahoo Mail.. etc.



Setup Postfix Mail Server in Ubuntu/Debian

In this article, we'll learn how to do so by installing the Postfix with "**SquirrelMail**" webmail application and its dependences on Debian/Ubuntu machines.

Step 1: Installing Apache2 and PHP5

1. In order to create a running mail server using "**SquirrelMail**", we'll have to install both **Apache2** & **PHP5** packages first, to do so, run.

\$ sudo apt-get update
\$ sudo apt-get install apache2 php5



Install Apache and PHP

Step 2: Installing Postfix Mail Server

2. Postfix is a mail transfer agent (**MTA**) which is the responsible software for delivering & receiving emails, it's essential in order to create a complete mail server.

To install it on Ubuntu/Debian or even Mint, run:

\$ sudo apt-get install postfix

During installation, you will be asked to choose the default file configuration for your server.



Select Postfix Configuration

3. Next, it asks you to select type of mail configuration, choose "Internet Site".

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Package configuration Postfix Configuration General type of mail configuration:						
No configuration Internet Site Internet with smarthost Satellite system Local only						
<ok> <cancel></cancel></ok>						
http://www.tecmint.com						

Select Mail Configuration

4. Now enter the fully qualified domain name that you want to use for send and receive mails.



Enter System Mail Name

- 5. Once the FQDN set, you've restart the Postfix mail server using.
- \$ sudo service postfix restart

Step 3: Installing Dovecot

6. Dovecot is a mail delivery agent (**MDA**), it delivers the emails from/to the mail server, to install it, run the following command.

```
$ sudo apt-get install dovecot-imapd dovecot-pop3d
```



Install Dovecot

During the installation process, you will be asked if you want to create a self-signed SSL certificate, choose **Yes**.



Create Mail SSI Certificate

7. Next, enter your host name to use in the SSL certificate.

Configuring dovecot-core Please enter the host name to use in the SSL certificate. It will become the "commonName" field of the generated SSL certificate. Host name:
<0k>

Enter Hostname to use SSL

- 8. Next, restart Dovecot service using the following command.
- \$ sudo service dovecot restart

Step 4: Installing SquirrelMail

9. SquirrelMail is the email server that you'll be using to manage emails on your server, it has a simple web interface to do the job, it can be customized by installing more modules & themes.

\$ sudo apt-get install squirrelmail



install Squirrelmail

10. After the installation, you will have to run this command in order to configure SquirrelMail.

\$ sudo squirrelmail-configure



Configure Squirrelmail

11. Next, enter "2" in order to edit the server settings, and you will be prompted to it.



Configure Server Settings for Mail

12. Now enter "**1**" in order to change the domain name and write up your domain (e.g: **example.com**).

8	😑 🗈 Terminal					
Ger	neral					
1. iln 2. 3.	Domain : trim(implode('', file('/etc/'.(file_exists('/etc/ma name')?'mail':'host').'name'))) Invert Time : false Sendmail or SMTP : SMTP					
А. В.	Update IMAP Settings : localhost:143 (other) Update SMTP Settings : localhost:25					
R C S Q	Return to Main Menu Turn color on Save data Quit					
Cor	mand >> 1					
The domain name is the suffix at the end of all email addresses. If for example, your email address is jdoe@example.com, then your domain would be example.com.						
[tr e')	<pre>im(implode('', file('/etc/'.(file_exists('/etc/mailname')?'mail':'host').'nan)))]: example.com</pre>					

Set Mail Domain Name

13. Go back to the main menu by writing "**R**" and hitting the enter key, write "**4**" in order to configure the general options.



Configure Mail General Options

You see "**Allow server-side sorting**"? Enter "**11**" and change it from "**false**" to "**true**" by entering "**y**". Now hit the **Enter** key, and enter the "**S**" key in order to save the configuration file.

Now, we'll copy the default configuration file to the apache2 directory in order to be able to access the web interface, run.

```
$ sudo cp /etc/squirrelmail/apache.conf /etc/apache2/sites-
available/squirrelmail.conf
```

And enable it using:

\$ sudo a2ensite squirrelmail.conf

14. You can now access the mail server by going to example.com/squirrelmail.

SquirrelMail webmail for nuts
SquirrelMail version 1.4.23 [SVN] By the SquirrelMail Project Team
SquirrelMail Login
Name:
Password:
Login
http://www.tecmint.com

Access Squirrelmail

Step 5: Creating Mail Users

15. In order to start using squirrelmail webmail, you'll have to create a new user, to do so, run.

\$ sudo useradd myusername

Replace "myusername" with the user name you want, create a password for the new user by running.

\$ sudo passwd myusername

16. Create a home folder for the user in **/var/www/html/myusername** and make it default home directory.

\$ sudo mkdir -p /var/www/html/myusername

\$ usermod -m -d /var/www/html/myusername myusername

17. Now go back to the login page and enter the user name and the password of newly created user.

SquirrelMail webmail for nuts SquirrelMail version 1.4.23 [SVN] By the SquirrelMail Project Team SquirrelMail Login
Name: Password: Login
http://www.tecmint.com

Access Squirrelmail

You will be surprise to see the following error message.

+ (* C	+	≡
	ERROR:			
	ERROR: Connection dropped by IMAP server.			
	http://www.tecmint.com			

Login to Squirrelmail

This is just a problem in the permissions, you have to give the user "**myusername**" the complete permissions on its home folder.

\$ sudo chown -R myusername:myusername /var/www/html/myusername

18. Once permission set, you should able to login into squirrelmail.

Sign Out		Current Folder: INBOX	Folders
SquirrelMail	Compose Addresses Folde	ers Options Search Help	:Last Refresh
Official Massacrash to 3 (2 total		Teorie All	(Check mail)
(Viewing Messages: 1 to 3 (3 total		loggie All	
:Transform Selected Messages	:Move Selected To	INBOX -	
Delete Unread Read	Not Spam Spam	Forward Move C INBOX	Drafts
	Subject Date	From	Trash
	RE: 43test Nov 19, 2014	M.hanny sabbagh	
	RE: 43test Nov 19, 2014	M.hanny sabbagh	
	43testANov 19, 2014	M.hanny sabbagh	
(Viewing Messages: 1 to 3 (3 total		Toggle All	
(rening recorded a colo to cordi		100010.700	

Squirrelmail Mail Interface

You can try to send email from it, or you can try to receive emails by sending it to

"**myusername@example.com**", don't forget to replace "**myusername**" with the user name you created.

If you faced any other error.. Just check the "/**var/log/mail.err**" file, all the error message will be stored there, you won't lose your way :)

Have you tried to create an email server before? How did it go? Have you used SquirrelMail or any other mail server before? What do you think about it?