HOW TO MAKE YOUR OWN SMTP

SMTP TUTORIAL

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Hey guys, finally the moment you've been waiting for, not having to waste money on shitty SMTP and own the limits of your mailing. You can say bye bye to being a script kiddie in this area. Time to learn how to build your very own SMTP.

WHAT YOU WILL NEED:

1. Common fucking sense.
2. Don't act like you're smarter than the teacher.
3. A free domain.
4. An OpenVZ VPS.
5. The tools I provide you.
6. Calm nerves.

This tutorial is to be read from the beginning to the end, if possible read twice line by line as you follow the guide for the first timers. If you can't read without skipping some parts this tutorial is not for you and just opt to get a refund. Lol, just **kidding.** Don't expect a refund once I have sent this package to you. GL.

STEP 1: Get domain name:

1. Go to freenom.com and create a free account,

2. Click the "Services" option on the top navbar after you have successfully logged in.

3. Click the "Register a new domain" option.

4. Check availability of preferred domain name by entering the name (in my case "boston") in the "Find a new FREE domain" text space, then click the "check availability" button and wait for freenom to display available free TLDs for that domain name, e.g, check for "boston"; available free tld's: boston.ml,boston.cf,etc...

NOTE:TLD stands for the last part of a domain name e.g, the TLD of "boston.com" is ".com" likewise "boston.ml" is ".ml"

*Select your preferred TLD e.g. "boston.ml". Proceed to checkout complete the requirements and successfully register the domain name.

STEP 2: Buy VPS:

1. Buy OpenVZ linux VPS with the "CENTOS 6 64-BIT" OS, preferably the minimal version.

*Minimum specifications of the VPS:

-1 Core

-512MB RAM

-10GB Storage capacity

-1 IP

*Some VPS providers ask for hostname when purchasing you can use your free registered domain with the subdomain "vps" in front of it e.g. "vps.boston.ml" or you can input any random thing e.g. "abc.123.com"

STEP 3: Setting DNS records with cloudflare:

1. In this step you can chose to setup your DNS records in the freenom website by going "My domains" under the "Services" option on the top navbar then select "Manage domain" on the row of the domain you just purchased freely, in my case "boston.ml" then click "Manage freenom DNS" and input the records I put below in number 6. But I recommend using cloudflare so to do that continue to number 2 or skip to number 6 to input the DNS records

2. Go to cloudflare.com and create a free account, confirm email and login.

3. Add your domain name e.g. boston.ml by clicking the "Add site" option, select the free website security option and proceed to the DNS record part.

NB: it will tell you your site could not be scanned so click "continue" and it should provide you with two nameservers you should input in the freenom website.

4. Go to your freenom account and select the "Services" option on the top navbar, then click the "My domains" option, select "manage domain" on the row of the domain you just purchased

freely, go to the "management tools" option and select "nameservers".

5. Select "use custom nameservers" and input the nameservers provided to you by cloudflare:

Usually –

NS1:bonnie.ns.cloudflare.com | NS2:chad.ns.cloudflare.com, unless specified otherwise by cloudflare.

6. Here you are going to input these records accordingly in the DNS section of your **domain** account in cloudflare:

TYPE	NAME	VALUE
A	@	MAIN_SERVER_IPv4
A	HOSTNAME	MAIN_SERVER_IPv4
A	slot0	MAIN_SERVER_IPv4
AAAA	@	MAIN_SERVER_IPv6
AAAA	HOSTNAME	MAIN_SERVER_IPv6
AAAA	slot0	MAIN_SERVER_IPv6
CNAME	www	@
MX	@	HOSTNAME.EXAMPLE.COM
TXT	@	@
TXT	@	v=spf1 mx a a:domain.com ip4:198.46.150.192 ~all
TXT	_dmarc	v=DMARC1; p=none
TXT	slot0	@

NOTE:

Replace the current IP in the above DNS records "198.46.150.192" to your vps IP, and the "domain.com" to your freely registered domain, in my case "boston.ml"

MAIN_SERVER_IPv4 stands for your VPS IP,

"HOSTNAME" in this instance would be "vps" as in "**vps**.boston.ml"

"@" is your freely acquired domain, in my case "boston.ml",

Not all providers will give you your VPS IPv6 address,

HOSTNAME.EXAMPLE.COM here would be **vps.yourdomain.tld** e.g. "vps.boston.ml"

ONE last record will be added later in this tutorial so **do not close** your cloudflare page.

STEP 4: Installing VestaCP and PowerMTA:

1.   Connect to your VPS through SSH, you can use either putty or bitvise SSH client (I personally recommend bitvise ssh client because of its SFTP functionality we would be using later). Open the command line terminal (also known as **Terminal console**).

2.   Input this command lines into your terminal accordingly: Do not run the COMMENTS that start with **#**

      # Download installation script:

      `curl -O http://vestacp.com/pub/vst-install.sh`

Run it:

```
bash vst-install.sh
```

If the above command doesn't work, then use:

```
bash vst-install.sh --force
```

3. Once installation has started it prompt for an email address to send your information to, input your email address. It will then ask for your hostname, input "vps.yourdomain.tld" in my case "vps.boston.ml"

   NOTE: The installation process of VestaCP will take about 15 minutes. After it's done installing your VestaCP login information you'll need will be displayed in the terminal console. Be sure to **save** them in a notepad file**!!!**

4. When the installation is done, and you have saved your login details, input these commands accordingly:

   # Install nano text editor

   ```
   yum -y install nano
   ```

   # Install gdb (debugger)

   ```
   yum -y install gdb
   ```

5.   Now we are going to raise the email sending limits of the smtp, follow these instructions, input these commands accordingly:
Open the file **limits.conf**

```
nano /etc/security/limits.conf
```

Input the text below at the bottom of the file **before** "#End of file" (please include the *)

```
* soft nofile 65535
```

```
* hard nofile 65535
```

```
#*              soft    core         0
#*              hard    rss          10000
#@student       hard    nproc        20
#@faculty       soft    nproc        20
#@faculty       hard    nproc        50
#ftp            hard    nproc        0
#@student       -       maxlogins    4
* soft nofile 65535
* hard nofile 65535

# End of file
```

6.   press "Ctrl+X" to exit and press "Y" to save, then press enter to proceed to the command line terminal.

7.   Type "reboot" and press enter to reboot.

8.   Log into the VestaCP with the login details you saved after your VPS has been restarted, go to the VestaCP URL which is "**your.vps.ip.addy**:8083/"

9.   Click on "WEB",

USER	WEB	DNS	MAIL	DB	CRON	BACKUP
users: 1	domains: 9	domains: 1	domains: 9	databases: 1	jobs: 8	backups: 3
suspended: 0	aliases: 9	records: 14	accounts: 0	suspended: 0	suspended: 0	
	suspended: 0	suspended: 0	suspended: 0			

Select "add web domain" located on the **"+"** symbol and add your freely acquired domain name, untick "DNS Support" e.g. "boston.ml" and **not your hostname** "vps.boston.ml" take note.

10.   Click on "MAIL",

USER	WEB	DNS	MAIL	DB	CRON	BACKUP
users: 1	domains: 9	domains: 1	domains: 9	databases: 1	jobs: 8	backups: 3
suspended: 0	aliases: 9	records: 14	accounts: 0	suspended: 0	suspended: 0	
	suspended: 0	suspended: 0	suspended: 0			

Hover over your domain and **not your hostname** and select "add new account" under the navbar that appears, e.g. In my case I will select "add account" under "boston.ml".

ACCOUNTS	ADD ACCOUNT	EDIT	SUSPEND	DELETE

.ml

iVirus Support:	yes	AntiSpam Support:	yes
M Support:	yes	Catchall email:	/dev/null

11.   Create an account with the name "postmaster" with a password of your choice.

12.   You will need Bitvise SSH Client for this. In the attached zip file I sent you, extract the file and then connect to your VPS and open your SFTP window (with Bitvise SSH Client), copy the

PowerMTA4.5r1.rpm in the "pmta" folder" to your "root" folder in your VPS, then type these commands in your command line terminal:

\# Install PowerMTA

```
rpm -ivh PowerMTA-4.5r1.rpm
```

\# You Will see an Output

Like this:

```
Preparing...
########################################### [100%]
   1:PowerMTA
########################################### [100%]


PowerMTA has been installed.  Please review the configuration

(in /etc/pmta/config) to ensure it fits your needs.


The PowerMTA User's Guide is available on

file:/usr/share/doc/pmta/UsersGuide.pdf.



                   *** WARNING ***

The SMTP TCP port is already in use by other software on this
```

system.   Installation will continue, but in order to be able to

start up PowerMTA you will need to stop the other software

or reconfigure PowerMTA to use an alternative port.   See the

manual section about startup problems for more information.

*** WARNING ***

Thank you for choosing PowerMTA.

This software requires a license to run.   To obtain a license key,

please contact Port25 at <sales@port25.com> or call +1.410.750.7687

during office hours, U.S. Eastern Time.

If you already received a license key from Port25, please save it

as /etc/pmta/license before starting PowerMTA.

Starting PowerMTA web monitor: [FAILED]

13. Make some directories on the VPS using these commands in the command line terminal accordingly:

```
mkdir /etc/pmta/dkim
```

```
mkdir /etc/pmta/files
```

```
mkdir /etc/pmta/log
```

14. Rename the "license.dat" file in the zip I gave you to "license" (basically remove the ".dat" extension).

15. Open the SFTP window and navigate your way to the "/etc/pmta" directory {use the button with a folder icon and a green arrow in it to navigate to the parent folder}.

    NOTE: Navigate to the drive's parent directory and find your way to the giving directory. Just keep pressing the folder with the green arrow button till it doesn't go back anymore.

16. Transfer the "license" file to the "/etc/pmta" folder using the SFTP. (If you did everything right you should have a working license to power up your PowerMTA)

17. Run these commands accordingly on your command line terminal:

```
chmod 755 /etc/roundcubemail/config.inc.php
```

```
chmod 755 /usr/sbin/pmtahttpd
```

18. Navigate to the "/usr/sbin" in your VPS using the SFTP window (using the same method you used to navigate to "/etc/pmta"), copy and paste {drag & drop} the **"pmta" & "pmtad"** file in the "/usr/sbin" folder in the **.zip** I sent you to your VPS.

19. Configuring your Iptables:

   a. Navigate to "/etc/sysconfig" in your VPS, copy the "iptables" file to your computer, open with with a text editor preferabely atom, sublime text or Notepad++

   b. add these lines under the line where you see ….**53 -j ACCEPT**

```
-A INPUT -p tcp -m tcp --dport 3187 -j ACCEPT
-A INPUT -p tcp -m tcp --dport 2526 -j ACCEPT
```

   c. Go to your command line terminal and run these commands accordingly:

```
service iptables reload
service iptables restart
```

STEP 5: Create DKIM key:

1. Go to https://www.port25.com/dkim-wizard/.

2. In the first text area type your freely acquired domain name, then type "dkim" in the second text area. Select 2048 key size, then click on "Generate Keys".

3. You should have your Public and Private Keys generated. Now open Notepad (**not** Notepad++), copy the **RSA PRIVATE KEY** into a fresh Notepad and save as "dkim.example.com.pem" (In my case "**dkim.boston.ml.pem**"). Do not save it as a .txt file, just select All files then put the file name I just stipulated above and then save.

4. Go back to your VPS and navigate to "/etc/pmta/dkim/" folder then drag/copy the dkim.example.com.pem there.

5. Go back to Port25.com and then copy the dkim **selector** that looks like this:

"k=rsa\;
p=MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAj045Ut
0x+d2gFdS6vnWETT+7QbinYfy1DxUu8Od05wrMm1St/UuXXSm7FH
XlShgGQnj9axZa+0c2WY4MzUTMgWU8
XWtumaGLTDyI6nlH2r9OiasKU/mhiWx7O3RrCHErksBKKfqCaPwZK
/B/ed988jwd5iDFUB0
Q1i3njpspI+vAZUa7vGtPHVUeS63aRv+ic/k3jBWJKHyjw0caxBXGqC
vRHyoR8P/SQl23AqIIL605vpfnx0Gmo2b7Ic+EujXN+dIACscHSRTcL
KaIIOGnG9uo4nsvoU5aCXqZbRA72Bb9bZka/62YOte1gL6eM9gDYb
y1imwiLOm5rssbMy/VHxwIDAQAB"

6. Create a **TXT** record with it in your DNS management system {back to cloudflare}. **Name** should be "dkim._domainkey.yourdomain.tld",

the value would be the dkim **selector** like the one above, remember to remove the quotes**!!**

7. In the .zip file I sent you {that you already extracted}, you should find the "config" file, open it with Notepad++ or atom and then change the settings:

8. Replace the text "yourdomain.tld" everywhere you see it to "yourdomain.tld"{in my case boston.ml}. Make sure you do not alter any other text

9. Replace the text "your.vps.ip.addy" everywhere you see it to "your.vps.ip" which should look like this >> "106.90.69.47". Make sure you do not alter any other text

10.   Now save it and then copy it to the "/etc/pmta/" folder in your VPS, overwrite the existing one.

STEP 6: Creating your rDNS:

1. Most VPS providers do not allow you to use rDNS, however, you can contact them to set your rDNS with: slot0.domain.com (change the domain.com to your freely purchased domain where you installed PowerMTA and vesta). {Not required for your SMTP to function but reduces your inbox rate by 10%}

2. In other cases, you can freely set your rDNS in your VPS control panel locate the rDNS option and set it to slot0.domain.com on both IPv4 & IPv6(if applicable)

STEP 7: Testing your SMTP Sever:

1. Go to your command line terminal and run these commands accordingly:

```
service pmta reload
```

```
service pmta restart
```

```
service pmtahttp restart
```

*If you did everything right, then all status should report "OK". Excluding the first command

2. Now you can use the smtp in this format on any Mailer Software (SendBlaster, AMS, etc):

Host: SMTP_IP(where VestaCp and PMTA are installed){your vps IP}

Port: 2526

User: admin

Password: admin

Email: postmaster@yourdomain.tld (the postmaster email you created) {this is where all smtp failed responses and automatic responses will go to}

3. Go to **smtper.net** and fill the forms in the format above, tick the "use authentication" option to add the user and password.

4. input an email address to send the test message to and click "send the test".

5. If it doesn't work reinstall your VPS and start over from the beginning and make sure you understand and do every step accordingly.

-If after sending your first Spam and you are blacklisted, just buy a new VPS server. It gets better when you can send more and more. It will only cost you about $2.50 or extra for a new VPS server.

-Hit me up for private method on how to host your webpages and files for direct download on your VPS. This package also comes with a method to install SSL on your page and give it that **shiny green padlock** people look out for when visiting websites and a method to keep your webpage up even after it has been flagged as a suspicious site. It costs only $20. Enjoy mass mailing.

SMTP TUTORIAL BY CHAMELLEO