

mepoadm / June 04, 2015 10:32PM

[Install a LAPP server: openSUSE 42 / Apache 2.4/PostgreSQL 9.4/ PHP 5.6](#)

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The parts of this install article: (1) Disk partition; (2) Install PostgreSQL 9.4; (3) Auto Start of Services; (4) Security.

1. Network Settings

Address:

IP Address: 000.000.000.000

Subnet Mask: 255.255.255.0

Hostname: www (some thing like that)

2. Disk Partition

```
/boot    2GB
/swap    12GB  swap (similar to size of RAM)
/         100GB ext4
/home    1.7TB ext4
/var     120GB ext4 (preferably SSD)
```

3. Install PostgreSQL 9.4

Add http://download.opensuse.org/repositories/server:/database:/postgresql/openSUSE_13.2/ to repositories.

Install through YaST:

```
postgresql94
postgresql94-server
```

4. Services Autostart at Boot

```
systemctl enable apache2.service
```

```
systemctl enable sshd.service
```

```
chkconfig --add postgresql
```

```
--
```

Use `chkconfig --list` to list all available services run-level status

5. Security

(1) Disable root ssh access

Edit

/etc/ssh/sshd_config

Set and unmark

PermitRootLogin no

Restart

systemctl restart sshd.service

(2) Restrict switch user (su)

Add to the group of wheel

usermod -a -G wheel username

Edit

/etc/pam.d/su

Add this line below "auth sufficient pam_rootok.so"

auth required pam_wheel.so use_uid

6. Apache

1. Configuration:

/etc/sysconfig/apache (Include Modules)

/etc/apache2/ (configuration)

2. Edit default conf (/etc/apache2/default-server.conf)

TraceEnable off (Disable HTTP TRACE method)

3. Service setting

vi /usr/lib/systemd/system/apache2.service

PrivateTmp=false

7. PHP

Edit php.ini (/etc/php5/cli/php.ini)

short_open_tag = On

output_handler = ob_gzhandler

upload_max_filesize = 8M

memory_limit = 512M

date.timezone = 'Asian/Taipei'

session.cookie_httponly = 1

session.cookie_secure = 1

8. Firewall

Enable HTTP Server

Custom Rules for SSH

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