

## **DevOps Assignment**

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### **TASK-2**

**Install & Configure WordPress LEMP stack with Nginx proxy, on your local system.**

```
webonise@webonise:~$ sudo apt update
[sudo] password for webonise:
Hit:1 http://dl.google.com/linux/chrome/deb stable InRelease
Hit:2 https://packagecloud.io/slacktechnologies/slack/debian jessie InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu focal InRelease
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1,207 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main i386 Packages [532 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [258 kB]
Hit:9 http://apt.postgresql.org/pub/repos/apt focal-pgdg InRelease
Get:10 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metadata [282 kB]
Get:11 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [14.2 kB]
Get:12 http://in.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [443 kB]
Get:13 http://in.archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [63.5 kB]
Get:14 http://in.archive.ubuntu.com/ubuntu focal-updates/universe i386 Packages [632 kB]
Get:15 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [857 kB]
Get:16 http://in.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [181 kB]
Get:17 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 DEP-11 Metadata [351 kB]
Get:18 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [18.8 kB]
Get:19 http://in.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 DEP-11 Metadata [944 B]
Get:20 http://in.archive.ubuntu.com/ubuntu focal-backports/universe amd64 DEP-11 Metadata [10.4 kB]
Get:21 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:22 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [27.6 kB]
Get:23 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [8,692 B]
```

```
Get:24 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [61.0 kB]
Get:25 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [12.4 kB]
Get:26 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [2,464 B]
Fetched 5,293 kB in 8s (696 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
18 packages can be upgraded. Run 'apt list --upgradable' to see them.
N: Skipping acquire of configured file 'main/binary-i386/Packages' as repository
'http://apt.postgresql.org/pub/repos/apt focal-pgdg InRelease' doesn't support architecture 'i386'
webonise@webonise:~$ sudo apt install nginx
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
libfprint-2-tod1 libllvm10
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
libnginx-mod-mail libnginx-mod-stream nginx-common nginx-core
Suggested packages:
fcgiwrap nginx-doc
The following NEW packages will be installed:
libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
libnginx-mod-mail libnginx-mod-stream nginx nginx-common nginx-core
0 upgraded, 7 newly installed, 0 to remove and 18 not upgraded.
Need to get 603 kB of archives.
After this operation, 2,134 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-common all
1.18.0-0ubuntu1.2 [37.5 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64
libnginx-mod-http-image-filter amd64 1.18.0-0ubuntu1.2 [14.4 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-http-xslt-filter
amd64 1.18.0-0ubuntu1.2 [12.7 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-mail amd64
1.18.0-0ubuntu1.2 [42.5 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-stream
amd64 1.18.0-0ubuntu1.2 [67.3 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-core amd64
1.18.0-0ubuntu1.2 [425 kB]
```

```
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx all  
1.18.0-0ubuntu1.2 [3,620 B]  
Fetched 603 kB in 0s (5,333 kB/s)  
Preconfiguring packages ...  
Selecting previously unselected package nginx-common.  
(Reading database ... 187054 files and directories currently installed.)  
Preparing to unpack .../0-nginx-common_1.18.0-0ubuntu1.2_all.deb ...  
Unpacking nginx-common (1.18.0-0ubuntu1.2) ...  
Selecting previously unselected package libnginx-mod-http-image-filter.  
Preparing to unpack .../1-libnginx-mod-http-image-filter_1.18.0-0ubuntu1.2_amd64.  
.deb ...  
Unpacking libnginx-mod-http-image-filter (1.18.0-0ubuntu1.2) ...  
Selecting previously unselected package libnginx-mod-http-xslt-filter.  
Preparing to unpack .../2-libnginx-mod-http-xslt-filter_1.18.0-0ubuntu1.2_amd64.  
.deb ...  
Unpacking libnginx-mod-http-xslt-filter (1.18.0-0ubuntu1.2) ...  
Selecting previously unselected package libnginx-mod-mail.  
Preparing to unpack .../3-libnginx-mod-mail_1.18.0-0ubuntu1.2_amd64.deb ...  
Unpacking libnginx-mod-mail (1.18.0-0ubuntu1.2) ...  
Selecting previously unselected package libnginx-mod-stream.  
Preparing to unpack .../4-libnginx-mod-stream_1.18.0-0ubuntu1.2_amd64.deb ...  
Unpacking libnginx-mod-stream (1.18.0-0ubuntu1.2) ...  
Selecting previously unselected package nginx-core.  
Preparing to unpack .../5-nginx-core_1.18.0-0ubuntu1.2_amd64.deb ...  
Unpacking nginx-core (1.18.0-0ubuntu1.2) ...  
Selecting previously unselected package nginx.  
Preparing to unpack .../6-nginx_1.18.0-0ubuntu1.2_all.deb ...  
Unpacking nginx (1.18.0-0ubuntu1.2) ...  
Setting up nginx-common (1.18.0-0ubuntu1.2) ...  
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service → /lib  
/systemd/system/nginx.service.  
Setting up libnginx-mod-http-xslt-filter (1.18.0-0ubuntu1.2) ...  
Setting up libnginx-mod-mail (1.18.0-0ubuntu1.2) ...  
Setting up libnginx-mod-http-image-filter (1.18.0-0ubuntu1.2) ...  
Setting up libnginx-mod-stream (1.18.0-0ubuntu1.2) ...  
Setting up nginx-core (1.18.0-0ubuntu1.2) ...  
Setting up nginx (1.18.0-0ubuntu1.2) ...  
Processing triggers for systemd (245.4-4ubuntu3.11) ...  
Processing triggers for man-db (2.9.1-1) ...  
Processing triggers for ufw (0.36-6) ...  
webonise@webonise:~$ sudo ufw app list  
Available applications:  
CUPS  
Nginx Full
```

Nginx HTTP

Nginx HTTPS

```
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
```

Rules updated

Rules updated (v6)

```
webonise@webonise:~$ sudo ufw status
```

Status: inactive

```
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
```

Skipping adding existing rule

Skipping adding existing rule (v6)

```
webonise@webonise:~$ sudo ufw status
```

Status: inactive

```
webonise@webonise:~$ systemctl start nginx
```

```
webonise@webonise:~$ systemctl enable nginx
```

Synchronizing state of nginx.service with SysV service script with  
/lib/systemd/systemd-sysv-install.

Executing: /lib/systemd/systemd-sysv-install enable nginx

```
webonise@webonise:~$ systemctl status nginx
```

- nginx.service - A high performance web server and a reverse proxy server

  Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset:>

  Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago

    Docs: man:nginx(8)

    Main PID: 26016 (nginx)

    Tasks: 9 (limit: 18743)

    Memory: 7.9M

    CGroup: /system.slice/nginx.service

```
      └─26016 nginx: master process /usr/sbin/nginx -g daemon on; master>
         ├─26017 nginx: worker process
         ├─26018 nginx: worker process
         ├─26019 nginx: worker process
         ├─26020 nginx: worker process
         ├─26021 nginx: worker process
         ├─26022 nginx: worker process
         ├─26023 nginx: worker process
         └─26024 nginx: worker process
```

Sep 13 18:05:45 webonise systemd[1]: Starting A high performance web server and>

Sep 13 18:05:45 webonise systemd[1]: Started A high performance web server and >

lines 1-20/20 (END)...skipping...

- nginx.service - A high performance web server and a reverse proxy server

  Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)

  Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago

    Docs: man:nginx(8)

    Main PID: 26016 (nginx)

Tasks: 9 (limit: 18743)

Memory: 7.9M

CGroup: /system.slice/nginx.service

```
|--26016 nginx: master process /usr/sbin/nginx -g daemon on; master_process on;
|--26017 nginx: worker process
|--26018 nginx: worker process
|--26019 nginx: worker process
|--26020 nginx: worker process
|--26021 nginx: worker process
|--26022 nginx: worker process
|--26023 nginx: worker process
`--26024 nginx: worker process
```

Sep 13 18:05:45 webonise systemd[1]: Starting A high performance web server and a reverse proxy server...

Sep 13 18:05:45 webonise systemd[1]: Started A high performance web server and a reverse proxy server.

~ ~ ~ ~ ~ ~ ~ ~ ~ ~

lines 1-20/20 (END)

- `nginx.service` - A high performance web server and a reverse proxy server  
    Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)  
    Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago  
        Docs: man:nginx(8)

```
Main PID: 26016 (nginx)
Tasks: 9 (limit: 18743)
Memory: 7.9M
CGroup: /system.slice/nginx.service
└─26016 nginx: master process /usr/sbin/nginx -g daemon on; master_process on;
   ├─26017 nginx: worker process
   ├─26018 nginx: worker process
   ├─26019 nginx: worker process
   ├─26020 nginx: worker process
   ├─26021 nginx: worker process
   ├─26022 nginx: worker process
   ├─26023 nginx: worker process
   └─26024 nginx: worker process
```

Sep 13 18:05:45 webonise systemd[1]: Starting A high performance web server and a reverse proxy server...

Sep 13 18:05:45 webonise systemd[1]: Started A high performance web server and a reverse proxy server.

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```
webonise@webonise:~$ CREATE DATABASE wordpress DEFAULT CHARACTER SET utf8
```

```
COLLATE utf8_unicode_ci;
```

```
CREATE: command not found
```

```
webonise@webonise:~$ apt install -y php php-common php-mbstring php-gd php-intl php-xml  
php-mysql php-mcrypt php-fpm
```

```
E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)
```

```
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?
```

```
webonise@webonise:~$ sudo ufw status
```

Status: inactive

```
webonise@webonise:~$ sudo apt install -y php php-common php-mbstring php-gd php-intl  
php-xml php-mysql php-mcrypt php-fpm
```

Reading package lists... Done

Building dependency tree

Reading state information... Done

Package php-mcrypt is not available, but is referred to by another package.

This may mean that the package is missing, has been obsoleted, or  
is only available from another source

E: Package 'php-mcrypt' has no installation candidate

```
webonise@webonise:~$ sudo apt install -y build-essential
```

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following packages were automatically installed and are no longer required:

libfprint-2-tod1 libllvm10

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

```
binutils binutils-common binutils-x86-64-linux-gnu dpkg-dev fakeroot g++  
g++-9 gcc gcc-9 libalgorithm-diff-perl libalgorithm-diff-xs-perl  
libalgorithm-merge-perl libasan5 libatomic1 libbinutils libc-dev-bin  
libc6-dev libcrypt-dev libctf-nobfd0 libctf0 libfakeroot libgcc-9-dev  
libitm1 liblsan0 libquadmath0 libstdc++-9-dev libtsan0 libubsan1  
linux-libc-dev make manpages-dev
```

Suggested packages:

```
binutils-doc debian-keyring g++-multilib g++-9-multilib gcc-9-doc  
gcc-multilib autoconf automake libtool flex bison gcc-doc gcc-9-multilib  
gcc-9-locales glibc-doc libstdc++-9-doc make-doc
```

The following NEW packages will be installed:

```
binutils binutils-common binutils-x86-64-linux-gnu build-essential dpkg-dev  
fakeroot g++ g++-9 gcc gcc-9 libalgorithm-diff-perl  
libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan5 libatomic1  
libbinutils libc-dev-bin libc6-dev libcrypt-dev libctf-nobfd0 libctf0  
libfakeroot libgcc-9-dev libitm1 liblsan0 libquadmath0 libstdc++-9-dev  
libtsan0 libubsan1 linux-libc-dev make manpages-dev
```

0 upgraded, 32 newly installed, 0 to remove and 18 not upgraded.

Need to get 34.4 MB of archives.

After this operation, 157 MB of additional disk space will be used.

```
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-common amd64  
2.34-6ubuntu1.1 [207 kB]
```

```
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libbinutils amd64  
2.34-6ubuntu1.1 [475 kB]
```

Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf-nobfd0 amd64  
2.34-6ubuntu1.1 [47.1 kB]  
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf0 amd64  
2.34-6ubuntu1.1 [46.6 kB]  
Get:5 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-x86-64-linux-gnu  
amd64 2.34-6ubuntu1.1 [1,613 kB]  
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils amd64  
2.34-6ubuntu1.1 [3,380 B]  
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc-dev-bin amd64  
2.31-0ubuntu9.2 [71.8 kB]  
Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 linux-libc-dev amd64  
5.4.0-84.94 [1,115 kB]  
Get:9 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libcrypt-dev amd64  
1:4.4.10-10ubuntu4 [104 kB]  
Get:10 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc6-dev amd64  
2.31-0ubuntu9.2 [2,520 kB]  
Get:11 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libitm1 amd64  
10.3.0-1ubuntu1~20.04 [26.2 kB]  
Get:12 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libatomic1 amd64  
10.3.0-1ubuntu1~20.04 [9,284 B]  
Get:13 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libasan5 amd64  
9.3.0-17ubuntu1~20.04 [394 kB]  
Get:14 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 liblsan0 amd64  
10.3.0-1ubuntu1~20.04 [835 kB]  
Get:15 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libtsan0 amd64  
10.3.0-1ubuntu1~20.04 [2,009 kB]  
Get:16 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libubsan1 amd64  
10.3.0-1ubuntu1~20.04 [784 kB]  
Get:17 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libquadmath0 amd64  
10.3.0-1ubuntu1~20.04 [146 kB]  
Get:18 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libgcc-9-dev amd64  
9.3.0-17ubuntu1~20.04 [2,360 kB]  
Get:19 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 gcc-9 amd64  
9.3.0-17ubuntu1~20.04 [8,241 kB]  
Get:20 http://in.archive.ubuntu.com/ubuntu focal/main amd64 gcc amd64 4:9.3.0-1ubuntu2  
[5,208 B]  
Get:21 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libstdc++-9-dev amd64  
9.3.0-17ubuntu1~20.04 [1,714 kB]  
Get:22 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 g++-9 amd64  
9.3.0-17ubuntu1~20.04 [8,405 kB]  
Get:23 http://in.archive.ubuntu.com/ubuntu focal/main amd64 g++ amd64 4:9.3.0-1ubuntu2  
[1,604 B]  
Get:24 http://in.archive.ubuntu.com/ubuntu focal/main amd64 make amd64 4.2.1-1.2 [162 kB]

Get:25 http://in.archive.ubuntu.com/ubuntu focal/main amd64 dpkg-dev all 1.19.7ubuntu3 [679 kB]  
Get:26 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 build-essential amd64 12.8ubuntu1.1 [4,664 B]  
Get:27 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libfakeroot amd64 1.24-1 [25.7 kB]  
Get:28 http://in.archive.ubuntu.com/ubuntu focal/main amd64 fakeroot amd64 1.24-1 [62.6 kB]  
Get:29 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-perl all 1.19.03-2 [46.6 kB]  
Get:30 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-xs-perl amd64 0.04-6 [11.3 kB]  
Get:31 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-merge-perl all 0.08-3 [12.0 kB]  
Get:32 http://in.archive.ubuntu.com/ubuntu focal/main amd64 manpages-dev all 5.05-1 [2,266 kB]  
Fetched 34.4 MB in 2s (17.6 MB/s)  
Extracting templates from packages: 100%  
Selecting previously unselected package binutils-common:amd64.  
(Reading database ... 187132 files and directories currently installed.)  
Preparing to unpack .../00-binutils-common\_2.34-6ubuntu1.1\_amd64.deb ...  
Unpacking binutils-common:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libbinutils:amd64.  
Preparing to unpack .../01-libbinutils\_2.34-6ubuntu1.1\_amd64.deb ...  
Unpacking libbinutils:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libctf-nobfd0:amd64.  
Preparing to unpack .../02-libctf-nobfd0\_2.34-6ubuntu1.1\_amd64.deb ...  
Unpacking libctf-nobfd0:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libctf0:amd64.  
Preparing to unpack .../03-libctf0\_2.34-6ubuntu1.1\_amd64.deb ...  
Unpacking libctf0:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package binutils-x86-64-linux-gnu.  
Preparing to unpack .../04-binutils-x86-64-linux-gnu\_2.34-6ubuntu1.1\_amd64.deb  
...  
Unpacking binutils-x86-64-linux-gnu (2.34-6ubuntu1.1) ...  
Selecting previously unselected package binutils.  
Preparing to unpack .../05-binutils\_2.34-6ubuntu1.1\_amd64.deb ...  
Unpacking binutils (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libc-dev-bin.  
Preparing to unpack .../06-libc-dev-bin\_2.31-0ubuntu9.2\_amd64.deb ...  
Unpacking libc-dev-bin (2.31-0ubuntu9.2) ...  
Selecting previously unselected package linux-libc-dev:amd64.  
Preparing to unpack .../07-linux-libc-dev\_5.4.0-84.94\_amd64.deb ...  
Unpacking linux-libc-dev:amd64 (5.4.0-84.94) ...  
Selecting previously unselected package libcrypt-dev:amd64.

```
Preparing to unpack .../08-libcrypt-dev_1%3a4.4.10-10ubuntu4_amd64.deb ...
Unpacking libcrypt-dev:amd64 (1:4.4.10-10ubuntu4) ...
Selecting previously unselected package libc6-dev:amd64.
Preparing to unpack .../09-libc6-dev_2.31-0ubuntu9.2_amd64.deb ...
Unpacking libc6-dev:amd64 (2.31-0ubuntu9.2) ...
Selecting previously unselected package libitm1:amd64.
Preparing to unpack .../10-libitm1_10.3.0-1ubuntu1~20.04_amd64.deb ...
Unpacking libitm1:amd64 (10.3.0-1ubuntu1~20.04) ...
Selecting previously unselected package libatomic1:amd64.
Preparing to unpack .../11-libatomic1_10.3.0-1ubuntu1~20.04_amd64.deb ...
Unpacking libatomic1:amd64 (10.3.0-1ubuntu1~20.04) ...
Selecting previously unselected package libasan5:amd64.
Preparing to unpack .../12-libasan5_9.3.0-17ubuntu1~20.04_amd64.deb ...
Unpacking libasan5:amd64 (9.3.0-17ubuntu1~20.04) ...
Selecting previously unselected package liblsan0:amd64.
Preparing to unpack .../13-liblsan0_10.3.0-1ubuntu1~20.04_amd64.deb ...
Unpacking liblsan0:amd64 (10.3.0-1ubuntu1~20.04) ...
Selecting previously unselected package libtsan0:amd64.
Preparing to unpack .../14-libtsan0_10.3.0-1ubuntu1~20.04_amd64.deb ...
Unpacking libtsan0:amd64 (10.3.0-1ubuntu1~20.04) ...
Selecting previously unselected package libubsan1:amd64.
Preparing to unpack .../15-libubsan1_10.3.0-1ubuntu1~20.04_amd64.deb ...
Unpacking libubsan1:amd64 (10.3.0-1ubuntu1~20.04) ...
Selecting previously unselected package libquadmath0:amd64.
Preparing to unpack .../16-libquadmath0_10.3.0-1ubuntu1~20.04_amd64.deb ...
Unpacking libquadmath0:amd64 (10.3.0-1ubuntu1~20.04) ...
Selecting previously unselected package libgcc-9-dev:amd64.
Preparing to unpack .../17-libgcc-9-dev_9.3.0-17ubuntu1~20.04_amd64.deb ...
Unpacking libgcc-9-dev:amd64 (9.3.0-17ubuntu1~20.04) ...
Selecting previously unselected package gcc-9.
Preparing to unpack .../18-gcc-9_9.3.0-17ubuntu1~20.04_amd64.deb ...
Unpacking gcc-9 (9.3.0-17ubuntu1~20.04) ...
Selecting previously unselected package gcc.
Preparing to unpack .../19-gcc_4%3a9.3.0-1ubuntu2_amd64.deb ...
Unpacking gcc (4:9.3.0-1ubuntu2) ...
Selecting previously unselected package libstdc++-9-dev:amd64.
Preparing to unpack .../20-libstdc++-9-dev_9.3.0-17ubuntu1~20.04_amd64.deb ...
Unpacking libstdc++-9-dev:amd64 (9.3.0-17ubuntu1~20.04) ...
Selecting previously unselected package g++-9.
Preparing to unpack .../21-g++-9_9.3.0-17ubuntu1~20.04_amd64.deb ...
Unpacking g++-9 (9.3.0-17ubuntu1~20.04) ...
Selecting previously unselected package g++.
Preparing to unpack .../22-g++_4%3a9.3.0-1ubuntu2_amd64.deb ...
Unpacking g++ (4:9.3.0-1ubuntu2) ...
```

Selecting previously unselected package make.  
Preparing to unpack .../23-make\_4.2.1-1.2\_amd64.deb ...  
Unpacking make (4.2.1-1.2) ...  
Selecting previously unselected package dpkg-dev.  
Preparing to unpack .../24-dpkg-dev\_1.19.7ubuntu3\_all.deb ...  
Unpacking dpkg-dev (1.19.7ubuntu3) ...  
Selecting previously unselected package build-essential.  
Preparing to unpack .../25-build-essential\_12.8ubuntu1.1\_amd64.deb ...  
Unpacking build-essential (12.8ubuntu1.1) ...  
Selecting previously unselected package libfakeroot:amd64.  
Preparing to unpack .../26-libfakeroot\_1.24-1\_amd64.deb ...  
Unpacking libfakeroot:amd64 (1.24-1) ...  
Selecting previously unselected package fakeroot.  
Preparing to unpack .../27-fakeroot\_1.24-1\_amd64.deb ...  
Unpacking fakeroot (1.24-1) ...  
Selecting previously unselected package libalgorithm-diff-perl.  
Preparing to unpack .../28-libalgorithm-diff-perl\_1.19.03-2\_all.deb ...  
Unpacking libalgorithm-diff-perl (1.19.03-2) ...  
Selecting previously unselected package libalgorithm-diff-xs-perl.  
Preparing to unpack .../29-libalgorithm-diff-xs-perl\_0.04-6\_amd64.deb ...  
Unpacking libalgorithm-diff-xs-perl (0.04-6) ...  
Selecting previously unselected package libalgorithm-merge-perl.  
Preparing to unpack .../30-libalgorithm-merge-perl\_0.08-3\_all.deb ...  
Unpacking libalgorithm-merge-perl (0.08-3) ...  
Selecting previously unselected package manpages-dev.  
Preparing to unpack .../31-manpages-dev\_5.05-1\_all.deb ...  
Unpacking manpages-dev (5.05-1) ...  
Setting up manpages-dev (5.05-1) ...  
Setting up libalgorithm-diff-perl (1.19.03-2) ...  
Setting up binutils-common:amd64 (2.34-6ubuntu1.1) ...  
Setting up linux-libc-dev:amd64 (5.4.0-84.94) ...  
Setting up libctf-nobfd0:amd64 (2.34-6ubuntu1.1) ...  
Setting up libfakeroot:amd64 (1.24-1) ...  
Setting up fakeroot (1.24-1) ...  
update-alternatives: using /usr/bin/fakeroot-sysv to provide /usr/bin/fakeroot  
(fakeroot) in auto mode  
Setting up libasan5:amd64 (9.3.0-17ubuntu1~20.04) ...  
Setting up make (4.2.1-1.2) ...  
Setting up libquadmath0:amd64 (10.3.0-1ubuntu1~20.04) ...  
Setting up libatomic1:amd64 (10.3.0-1ubuntu1~20.04) ...  
Setting up libubsan1:amd64 (10.3.0-1ubuntu1~20.04) ...  
Setting up libcrypt-dev:amd64 (1:4.4.10-10ubuntu4) ...  
Setting up libbinutils:amd64 (2.34-6ubuntu1.1) ...  
Setting up libc-dev-bin (2.31-0ubuntu9.2) ...

```
Setting up libalgorithm-diff-xs-perl (0.04-6) ...
Setting up liblsan0:amd64 (10.3.0-1ubuntu1~20.04) ...
Setting up libitm1:amd64 (10.3.0-1ubuntu1~20.04) ...
Setting up libalgorithm-merge-perl (0.08-3) ...
Setting up libtsan0:amd64 (10.3.0-1ubuntu1~20.04) ...
Setting up libctf0:amd64 (2.34-6ubuntu1.1) ...
Setting up libgcc-9-dev:amd64 (9.3.0-17ubuntu1~20.04) ...
Setting up libc6-dev:amd64 (2.31-0ubuntu9.2) ...
Setting up binutils-x86-64-linux-gnu (2.34-6ubuntu1.1) ...
Setting up libstdc++-9-dev:amd64 (9.3.0-17ubuntu1~20.04) ...
Setting up binutils (2.34-6ubuntu1.1) ...
Setting up dpkg-dev (1.19.7ubuntu3) ...
Setting up gcc-9 (9.3.0-17ubuntu1~20.04) ...
Setting up gcc (4:9.3.0-1ubuntu2) ...
Setting up g++-9 (9.3.0-17ubuntu1~20.04) ...
Setting up g++ (4:9.3.0-1ubuntu2) ...
update-alternatives: using /usr/bin/g++ to provide /usr/bin/c++ (c++) in auto mode
Setting up build-essential (12.8ubuntu1.1) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
webonise@webonise:~$ gcc --version
gcc (Ubuntu 9.3.0-17ubuntu1~20.04) 9.3.0
Copyright (C) 2019 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.
```

```
webonise@webonise:~$ make --version
GNU Make 4.2.1
Built for x86_64-pc-linux-gnu
Copyright (C) 1988-2016 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
webonise@webonise:~$ sudo apt install php php-pear php-dev libmcrypt-dev
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libfprint-2-tod1 libllvm10
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils autoconf automake autopoint
  autotools-dev debhelper dh-autoreconf dh-strip-nondeterminism dwz gettext
```

```
intltool-debian libapache2-mod-php7.4 libapr1 libaprutil1  
libaprutil1-dbd-sqlite3 libaprutil1-ldap libarchive-cpio-perl  
libarchive-zip-perl libcroco3 libdebhelper-perl  
libfile-stripnondeterminism-perl libltdl-dev liblua5.2-0  
libmail-sendmail-perl libmcrypt4 libpcre2-16-0 libpcre2-dev libpcre2-posix2  
libsigsegv2 libssl-dev libsub-override-perl libsys-hostname-long-perl  
libtool m4 php-cli php-common php-xml php7.4 php7.4-cli php7.4-common  
php7.4-dev php7.4-json php7.4-opcache php7.4-readline php7.4-xml  
pkg-php-tools po-debconf shtool
```

Suggested packages:

```
apache2-doc apache2-suexec-pristine | apache2-suexec-custom  
autoconf-archive gnu-standards autoconf-doc dh-make gettext-doc  
libasprintf-dev libgettextpo-dev libtool-doc mcrypt libssl-doc gfortran  
| fortran95-compiler gcj-jdk m4-doc dh-php libmail-box-perl
```

The following NEW packages will be installed:

```
apache2 apache2-bin apache2-data apache2-utils autoconf automake autopoint  
autotools-dev debhelper dh-autoreconf dh-strip-nondeterminism dwz gettext  
intltool-debian libapache2-mod-php7.4 libapr1 libaprutil1  
libaprutil1-dbd-sqlite3 libaprutil1-ldap libarchive-cpio-perl  
libarchive-zip-perl libcroco3 libdebhelper-perl  
libfile-stripnondeterminism-perl libltdl-dev liblua5.2-0  
libmail-sendmail-perl libmcrypt-dev libmcrypt4 libpcre2-16-0 libpcre2-dev  
libpcre2-posix2 libsigsegv2 libssl-dev libsub-override-perl  
libsys-hostname-long-perl libtool m4 php php-cli php-common php-dev  
php-pear php-xml php7.4 php7.4-cli php7.4-common php7.4-dev php7.4-json  
php7.4-opcache php7.4-readline php7.4-xml pkg-php-tools po-debconf shtool
```

0 upgraded, 55 newly installed, 0 to remove and 18 not upgraded.

Need to get 13.8 MB of archives.

After this operation, 60.7 MB of additional disk space will be used.

Do you want to continue? [Y/n] y

```
Get:1 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libapr1 amd64 1.6.5-1ubuntu1  
[91.4 kB]  
Get:2 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libaprutil1 amd64 1.6.1-4ubuntu2  
[84.7 kB]  
Get:3 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libaprutil1-dbd-sqlite3 amd64  
1.6.1-4ubuntu2 [10.5 kB]  
Get:4 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libaprutil1-ldap amd64  
1.6.1-4ubuntu2 [8,736 B]  
Get:5 http://in.archive.ubuntu.com/ubuntu focal/main amd64 liblua5.2-0 amd64 5.2.4-1.1build3  
[106 kB]  
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-bin amd64  
2.4.41-4ubuntu3.4 [1,180 kB]  
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-data all  
2.4.41-4ubuntu3.4 [159 kB]
```

Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-utils amd64 2.4.41-4ubuntu3.4 [84.0 kB]  
Get:9 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2 amd64 2.4.41-4ubuntu3.4 [95.5 kB]  
Get:10 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libsigsegv2 amd64 2.12-2 [13.9 kB]  
Get:11 http://in.archive.ubuntu.com/ubuntu focal/main amd64 m4 amd64 1.4.18-4 [199 kB]  
Get:12 http://in.archive.ubuntu.com/ubuntu focal/main amd64 autoconf all 2.69-11.1 [321 kB]  
Get:13 http://in.archive.ubuntu.com/ubuntu focal/main amd64 autotools-dev all 20180224.1 [39.6 kB]  
Get:14 http://in.archive.ubuntu.com/ubuntu focal/main amd64 automake all 1:1.16.1-4ubuntu6 [522 kB]  
Get:15 http://in.archive.ubuntu.com/ubuntu focal/main amd64 autopoint all 0.19.8.1-10build1 [412 kB]  
Get:16 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libtool all 2.4.6-14 [161 kB]  
Get:17 http://in.archive.ubuntu.com/ubuntu focal/main amd64 dh-autoreconf all 19 [16.1 kB]  
Get:18 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libdebservice-perl all 12.10ubuntu1 [62.1 kB]  
Get:19 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libarchive-zip-perl all 1.67-2 [90.5 kB]  
Get:20 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libsub-override-perl all 0.09-2 [9,532 B]  
Get:21 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libfile-stripnondeterminism-perl all 1.7.0-1 [15.9 kB]  
Get:22 http://in.archive.ubuntu.com/ubuntu focal/main amd64 dh-strip-nondeterminism all 1.7.0-1 [5,228 B]  
Get:23 http://in.archive.ubuntu.com/ubuntu focal/main amd64 dwz amd64 0.13-5 [151 kB]  
Get:24 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libcroco3 amd64 0.6.13-1 [82.5 kB]  
Get:25 http://in.archive.ubuntu.com/ubuntu focal/main amd64 gettext amd64 0.19.8.1-10build1 [895 kB]  
Get:26 http://in.archive.ubuntu.com/ubuntu focal/main amd64 intltool-debian all 0.35.0+20060710.5 [24.9 kB]  
Get:27 http://in.archive.ubuntu.com/ubuntu focal/main amd64 po-debconf all 1.0.21 [233 kB]  
Get:28 http://in.archive.ubuntu.com/ubuntu focal/main amd64 debhelper all 12.10ubuntu1 [877 kB]  
Get:29 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php-common all 2:75 [11.9 kB]  
Get:30 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-common amd64 7.4.3-4ubuntu2.6 [980 kB]  
Get:31 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-json amd64 7.4.3-4ubuntu2.6 [19.2 kB]  
Get:32 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-opcache amd64 7.4.3-4ubuntu2.6 [198 kB]

Get:33 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-readline amd64  
7.4.3-4ubuntu2.6 [12.6 kB]  
Get:34 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-cli amd64  
7.4.3-4ubuntu2.6 [1,420 kB]  
Get:35 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libapache2-mod-php7.4  
amd64 7.4.3-4ubuntu2.6 [1,364 kB]  
Get:36 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libarchive-cpio-perl all 0.10-1  
[9,644 B]  
Get:37 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libltdl-dev amd64 2.4.6-14 [162  
kB]  
Get:38 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libsys-hostname-long-perl all  
1.5-1 [11.7 kB]  
Get:39 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libmail-sendmail-perl all 0.80-1  
[22.6 kB]  
Get:40 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 libmcrypt4 amd64 2.5.8-3.4  
[64.6 kB]  
Get:41 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 libmcrypt-dev amd64 2.5.8-3.4  
[84.8 kB]  
Get:42 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libpcre2-16-0 amd64 10.34-7 [181  
kB]  
Get:43 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libpcre2-posix2 amd64 10.34-7  
[5,992 B]  
Get:44 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libpcre2-dev amd64 10.34-7 [670  
kB]  
Get:45 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libssl-dev amd64  
1.1.1f-1ubuntu2.8 [1,584 kB]  
Get:46 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4 all  
7.4.3-4ubuntu2.6 [9,236 B]  
Get:47 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php all 2:7.4+75 [2,712 B]  
Get:48 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php-cli all 2:7.4+75 [2,792 B]  
Get:49 http://in.archive.ubuntu.com/ubuntu focal/main amd64 shtool all 2.0.8-10 [122 kB]  
Get:50 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-dev amd64  
7.4.3-4ubuntu2.6 [538 kB]  
Get:51 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php-dev all 2:7.4+75 [2,744 B]  
Get:52 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-xml amd64  
7.4.3-4ubuntu2.6 [97.2 kB]  
Get:53 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php-xml all 2:7.4+75 [2,028 B]  
Get:54 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php-pear all  
1:1.10.9+submodules+notgz-1ubuntu0.20.04.3 [287 kB]  
Get:55 http://in.archive.ubuntu.com/ubuntu focal/main amd64 pkg-php-tools all 1.38 [28.3 kB]  
Fetched 13.8 MB in 1s (27.1 MB/s)  
Extracting templates from packages: 100%  
Selecting previously unselected package libapr1:amd64.  
(Reading database ... 192534 files and directories currently installed.)

```
Preparing to unpack .../00-libapr1_1.6.5-1ubuntu1_amd64.deb ...
Unpacking libapr1:amd64 (1.6.5-1ubuntu1) ...
Selecting previously unselected package libaprutil1:amd64.
Preparing to unpack .../01-libaprutil1_1.6.1-4ubuntu2_amd64.deb ...
Unpacking libaprutil1:amd64 (1.6.1-4ubuntu2) ...
Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.
Preparing to unpack .../02-libaprutil1-dbd-sqlite3_1.6.1-4ubuntu2_amd64.deb ...
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.1-4ubuntu2) ...
Selecting previously unselected package libaprutil1-ldap:amd64.
Preparing to unpack .../03-libaprutil1-ldap_1.6.1-4ubuntu2_amd64.deb ...
Unpacking libaprutil1-ldap:amd64 (1.6.1-4ubuntu2) ...
Selecting previously unselected package liblua5.2-0:amd64.
Preparing to unpack .../04-liblua5.2-0_5.2.4-1.1build3_amd64.deb ...
Unpacking liblua5.2-0:amd64 (5.2.4-1.1build3) ...
Selecting previously unselected package apache2-bin.
Preparing to unpack .../05-apache2-bin_2.4.41-4ubuntu3.4_amd64.deb ...
Unpacking apache2-bin (2.4.41-4ubuntu3.4) ...
Selecting previously unselected package apache2-data.
Preparing to unpack .../06-apache2-data_2.4.41-4ubuntu3.4_all.deb ...
Unpacking apache2-data (2.4.41-4ubuntu3.4) ...
Selecting previously unselected package apache2-utils.
Preparing to unpack .../07-apache2-utils_2.4.41-4ubuntu3.4_amd64.deb ...
Unpacking apache2-utils (2.4.41-4ubuntu3.4) ...
Selecting previously unselected package apache2.
Preparing to unpack .../08-apache2_2.4.41-4ubuntu3.4_amd64.deb ...
Unpacking apache2 (2.4.41-4ubuntu3.4) ...
Selecting previously unselected package libsigsegv2:amd64.
Preparing to unpack .../09-libsigsegv2_2.12-2_amd64.deb ...
Unpacking libsigsegv2:amd64 (2.12-2) ...
Selecting previously unselected package m4.
Preparing to unpack .../10-m4_1.4.18-4_amd64.deb ...
Unpacking m4 (1.4.18-4) ...
Selecting previously unselected package autoconf.
Preparing to unpack .../11-autoconf_2.69-11.1_all.deb ...
Unpacking autoconf (2.69-11.1) ...
Selecting previously unselected package autotools-dev.
Preparing to unpack .../12-autotools-dev_20180224.1_all.deb ...
Unpacking autotools-dev (20180224.1) ...
Selecting previously unselected package automake.
Preparing to unpack .../13-automake_1%3a1.16.1-4ubuntu6_all.deb ...
Unpacking automake (1:1.16.1-4ubuntu6) ...
Selecting previously unselected package autopoint.
Preparing to unpack .../14-autopoint_0.19.8.1-10build1_all.deb ...
Unpacking autopoint (0.19.8.1-10build1) ...
```

Selecting previously unselected package libtool.  
Preparing to unpack .../15-libtool\_2.4.6-14\_all.deb ...  
Unpacking libtool (2.4.6-14) ...  
Selecting previously unselected package dh-autoreconf.  
Preparing to unpack .../16-dh-autoreconf\_19\_all.deb ...  
Unpacking dh-autoreconf (19) ...  
Selecting previously unselected package libdebscript-perl.  
Preparing to unpack .../17-libdebscript-perl\_12.10ubuntu1\_all.deb ...  
Unpacking libdebscript-perl (12.10ubuntu1) ...  
Selecting previously unselected package libarchive-zip-perl.  
Preparing to unpack .../18-libarchive-zip-perl\_1.67-2\_all.deb ...  
Unpacking libarchive-zip-perl (1.67-2) ...  
Selecting previously unselected package libsub-override-perl.  
Preparing to unpack .../19-libsub-override-perl\_0.09-2\_all.deb ...  
Unpacking libsub-override-perl (0.09-2) ...  
Selecting previously unselected package libfile-stripnondeterminism-perl.  
Preparing to unpack .../20-libfile-stripnondeterminism-perl\_1.7.0-1\_all.deb ...  
Unpacking libfile-stripnondeterminism-perl (1.7.0-1) ...  
Selecting previously unselected package dh-strip-nondeterminism.  
Preparing to unpack .../21-dh-strip-nondeterminism\_1.7.0-1\_all.deb ...  
Unpacking dh-strip-nondeterminism (1.7.0-1) ...  
Selecting previously unselected package dwz.  
Preparing to unpack .../22-dwz\_0.13-5\_amd64.deb ...  
Unpacking dwz (0.13-5) ...  
Selecting previously unselected package libcroco3:amd64.  
Preparing to unpack .../23-libcroco3\_0.6.13-1\_amd64.deb ...  
Unpacking libcroco3:amd64 (0.6.13-1) ...  
Selecting previously unselected package gettext.  
Preparing to unpack .../24-gettext\_0.19.8.1-10build1\_amd64.deb ...  
Unpacking gettext (0.19.8.1-10build1) ...  
Selecting previously unselected package intltool-debian.  
Preparing to unpack .../25-intltool-debian\_0.35.0+20060710.5\_all.deb ...  
Unpacking intltool-debian (0.35.0+20060710.5) ...  
Selecting previously unselected package po-debconf.  
Preparing to unpack .../26-po-debconf\_1.0.21\_all.deb ...  
Unpacking po-debconf (1.0.21) ...  
Selecting previously unselected package debhelper.  
Preparing to unpack .../27-debhelper\_12.10ubuntu1\_all.deb ...  
Unpacking debhelper (12.10ubuntu1) ...  
Selecting previously unselected package php-common.  
Preparing to unpack .../28-php-common\_2%3a75\_all.deb ...  
Unpacking php-common (2:75) ...  
Selecting previously unselected package php7.4-common.  
Preparing to unpack .../29-php7.4-common\_7.4.3-4ubuntu2.6\_amd64.deb ...

Unpacking php7.4-common (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package php7.4-json.  
Preparing to unpack .../30-php7.4-json\_7.4.3-4ubuntu2.6\_amd64.deb ...  
Unpacking php7.4-json (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package php7.4-opcache.  
Preparing to unpack .../31-php7.4-opcache\_7.4.3-4ubuntu2.6\_amd64.deb ...  
Unpacking php7.4-opcache (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package php7.4-readline.  
Preparing to unpack .../32-php7.4-readline\_7.4.3-4ubuntu2.6\_amd64.deb ...  
Unpacking php7.4-readline (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package php7.4-cli.  
Preparing to unpack .../33-php7.4-cli\_7.4.3-4ubuntu2.6\_amd64.deb ...  
Unpacking php7.4-cli (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package libapache2-mod-php7.4.  
Preparing to unpack .../34-libapache2-mod-php7.4\_7.4.3-4ubuntu2.6\_amd64.deb ...  
Unpacking libapache2-mod-php7.4 (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package libarchive-cpio-perl.  
Preparing to unpack .../35-libarchive-cpio-perl\_0.10-1\_all.deb ...  
Unpacking libarchive-cpio-perl (0.10-1) ...  
Selecting previously unselected package libltdl-dev:amd64.  
Preparing to unpack .../36-libltdl-dev\_2.4.6-14\_amd64.deb ...  
Unpacking libltdl-dev:amd64 (2.4.6-14) ...  
Selecting previously unselected package libsys-hostname-long-perl.  
Preparing to unpack .../37-libsys-hostname-long-perl\_1.5-1\_all.deb ...  
Unpacking libsys-hostname-long-perl (1.5-1) ...  
Selecting previously unselected package libmail-sendmail-perl.  
Preparing to unpack .../38-libmail-sendmail-perl\_0.80-1\_all.deb ...  
Unpacking libmail-sendmail-perl (0.80-1) ...  
Selecting previously unselected package libmcrypt4.  
Preparing to unpack .../39-libmcrypt4\_2.5.8-3.4\_amd64.deb ...  
Unpacking libmcrypt4 (2.5.8-3.4) ...  
Selecting previously unselected package libmcrypt-dev.  
Preparing to unpack .../40-libmcrypt-dev\_2.5.8-3.4\_amd64.deb ...  
Unpacking libmcrypt-dev (2.5.8-3.4) ...  
Selecting previously unselected package libpcre2-16-0:amd64.  
Preparing to unpack .../41-libpcre2-16-0\_10.34-7\_amd64.deb ...  
Unpacking libpcre2-16-0:amd64 (10.34-7) ...  
Selecting previously unselected package libpcre2-posix2:amd64.  
Preparing to unpack .../42-libpcre2-posix2\_10.34-7\_amd64.deb ...  
Unpacking libpcre2-posix2:amd64 (10.34-7) ...  
Selecting previously unselected package libpcre2-dev:amd64.  
Preparing to unpack .../43-libpcre2-dev\_10.34-7\_amd64.deb ...  
Unpacking libpcre2-dev:amd64 (10.34-7) ...  
Selecting previously unselected package libssl-dev:amd64.

```
Preparing to unpack .../44-libssl-dev_1.1.1f-1ubuntu2.8_amd64.deb ...
Unpacking libssl-dev:amd64 (1.1.1f-1ubuntu2.8) ...
Selecting previously unselected package php7.4.
Preparing to unpack .../45-php7.4_7.4.3-4ubuntu2.6_all.deb ...
Unpacking php7.4 (7.4.3-4ubuntu2.6) ...
Selecting previously unselected package php.
Preparing to unpack .../46-php_2%3a7.4+75_all.deb ...
Unpacking php (2:7.4+75) ...
Selecting previously unselected package php-cli.
Preparing to unpack .../47-php-cli_2%3a7.4+75_all.deb ...
Unpacking php-cli (2:7.4+75) ...
Selecting previously unselected package shtool.
Preparing to unpack .../48-shtool_2.0.8-10_all.deb ...
Unpacking shtool (2.0.8-10) ...
Selecting previously unselected package php7.4-dev.
Preparing to unpack .../49-php7.4-dev_7.4.3-4ubuntu2.6_amd64.deb ...
Unpacking php7.4-dev (7.4.3-4ubuntu2.6) ...
Selecting previously unselected package php-dev.
Preparing to unpack .../50-php-dev_2%3a7.4+75_all.deb ...
Unpacking php-dev (2:7.4+75) ...
Selecting previously unselected package php7.4-xml.
Preparing to unpack .../51-php7.4-xml_7.4.3-4ubuntu2.6_amd64.deb ...
Unpacking php7.4-xml (7.4.3-4ubuntu2.6) ...
Selecting previously unselected package php-xml.
Preparing to unpack .../52-php-xml_2%3a7.4+75_all.deb ...
Unpacking php-xml (2:7.4+75) ...
Selecting previously unselected package php-pear.
Preparing to unpack .../53-php-pear_1%3a1.10.9+submodules+notgz-1ubuntu0.20.04.
3_all.deb ...
Unpacking php-pear (1:1.10.9+submodules+notgz-1ubuntu0.20.04.3) ...
Selecting previously unselected package pkg-php-tools.
Preparing to unpack .../54-pkg-php-tools_1.38_all.deb ...
Unpacking pkg-php-tools (1.38) ...
Setting up shtool (2.0.8-10) ...
Setting up php-common (2:75) ...
Created symlink /etc/systemd/system/timers.target.wants/phpsessionclean.timer →
/lib/systemd/system/phpsessionclean.timer.
Setting up php7.4-common (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/mods-available/calendar.ini with new version

Creating config file /etc/php/7.4/mods-available/ctype.ini with new version

Creating config file /etc/php/7.4/mods-available/exif.ini with new version
```

Creating config file /etc/php/7.4/mods-available/fileinfo.ini with new version

Creating config file /etc/php/7.4/mods-available/ffi.ini with new version

Creating config file /etc/php/7.4/mods-available/ftp.ini with new version

Creating config file /etc/php/7.4/mods-available/gettext.ini with new version

Creating config file /etc/php/7.4/mods-available/iconv.ini with new version

Creating config file /etc/php/7.4/mods-available/pdo.ini with new version

Creating config file /etc/php/7.4/mods-available/phar.ini with new version

Creating config file /etc/php/7.4/mods-available/posix.ini with new version

Creating config file /etc/php/7.4/mods-available/shmop.ini with new version

Creating config file /etc/php/7.4/mods-available/sockets.ini with new version

Creating config file /etc/php/7.4/mods-available/sysvmsg.ini with new version

Creating config file /etc/php/7.4/mods-available/sysvsem.ini with new version

Creating config file /etc/php/7.4/mods-available/sysvshm.ini with new version

Creating config file /etc/php/7.4/mods-available/tokenizer.ini with new version

Setting up libarchive-zip-perl (1.67-2) ...

Setting up libdebschema-perl (12.10ubuntu1) ...

Setting up libapr1:amd64 (1.6.5-1ubuntu1) ...

Setting up php7.4-readline (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/mods-available/readline.ini with new version

Setting up libpcre2-16-0:amd64 (10.34-7) ...

Setting up autotools-dev (20180224.1) ...

Setting up libsigsegv2:amd64 (2.12-2) ...

Setting up libssl-dev:amd64 (1.1.1f-1ubuntu2.8) ...

Setting up autopoint (0.19.8.1-10build1) ...

Setting up libcroco3:amd64 (0.6.13-1) ...

Setting up libpcre2-posix2:amd64 (10.34-7) ...

Setting up dwz (0.13-5) ...

Setting up liblua5.2-0:amd64 (5.2.4-1.1build3) ...

Setting up libarchive-cpio-perl (0.10-1) ...

Setting up libsub-override-perl (0.09-2) ...  
Setting up php7.4-opcache (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/mods-available/opcache.ini with new version  
Setting up apache2-data (2.4.41-4ubuntu3.4) ...  
Setting up libmcrypt4 (2.5.8-3.4) ...  
Setting up libsys-hostname-long-perl (1.5-1) ...  
Setting up libaprutil1:amd64 (1.6.1-4ubuntu2) ...  
Setting up libfile-stripnondeterminism-perl (1.7.0-1) ...  
Setting up gettext (0.19.8.1-10build1) ...  
Setting up php7.4-json (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/mods-available/json.ini with new version  
Setting up php7.4-xml (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/mods-available/dom.ini with new version

Creating config file /etc/php/7.4/mods-available/simplexml.ini with new version

Creating config file /etc/php/7.4/mods-available/xml.ini with new version

Creating config file /etc/php/7.4/mods-available/xmlreader.ini with new version

Creating config file /etc/php/7.4/mods-available/xmlwriter.ini with new version

Creating config file /etc/php/7.4/mods-available/xsl.ini with new version  
Setting up libpcre2-dev:amd64 (10.34-7) ...  
Setting up libtool (2.4.6-14) ...  
Setting up m4 (1.4.18-4) ...  
Setting up php7.4-cli (7.4.3-4ubuntu2.6) ...  
update-alternatives: using /usr/bin/php7.4 to provide /usr/bin/php (php) in auto mode  
update-alternatives: using /usr/bin/phar7.4 to provide /usr/bin/phar (phar) in auto mode  
update-alternatives: using /usr/bin/phar.phar7.4 to provide /usr/bin/phar.phar (phar.phar) in auto mode

Creating config file /etc/php/7.4/cli/php.ini with new version  
Setting up libaprutil1-ldap:amd64 (1.6.1-4ubuntu2) ...  
Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.1-4ubuntu2) ...  
Setting up intltool-debian (0.35.0+20060710.5) ...  
Setting up libmail-sendmail-perl (0.80-1) ...  
Setting up libmcrypt-dev (2.5.8-3.4) ...  
Setting up autoconf (2.69-11.1) ...

```
Setting up dh-strip-nondeterminism (1.7.0-1) ...
Setting up php-cli (2:7.4+75) ...
Setting up apache2-utils (2.4.41-4ubuntu3.4) ...
Setting up automake (1:1.16.1-4ubuntu6) ...
update-alternatives: using /usr/bin/automake-1.16 to provide /usr/bin/automake
(automake) in auto mode
Setting up php-xml (2:7.4+75) ...
Setting up php-pear (1:1.10.9+submodules+notgz-1ubuntu0.20.04.3) ...
Setting up po-debconf (1.0.21) ...
Setting up apache2-bin (2.4.41-4ubuntu3.4) ...
Setting up libltdl-dev:amd64 (2.4.6-14) ...
Setting up php7.4-dev (7.4.3-4ubuntu2.6) ...
update-alternatives: using /usr/bin/php-config7.4 to provide /usr/bin/php-confi
g (php-config) in auto mode
update-alternatives: using /usr/bin/phpize7.4 to provide /usr/bin/phpize (phpiz
e) in auto mode
Setting up libapache2-mod-php7.4 (7.4.3-4ubuntu2.6) ...
Package apache2 is not configured yet. Will defer actions by package libapache2
-mod-php7.4.
```

Creating config file /etc/php/7.4/apache2/php.ini with new version

No module matches

Setting up apache2 (2.4.41-4ubuntu3.4) ...

Enabling module mpm\_event.

Enabling module authz\_core.

Enabling module authz\_host.

Enabling module authn\_core.

Enabling module auth\_basic.

Enabling module access\_compat.

Enabling module authn\_file.

Enabling module authz\_user.

Enabling module alias.

Enabling module dir.

Enabling module autoindex.

Enabling module env.

Enabling module mime.

Enabling module negotiation.

Enabling module setenvif.

Enabling module filter.

Enabling module deflate.

Enabling module status.

Enabling module reqtimeout.

Enabling conf charset.

Enabling conf localized-error-pages.

Enabling conf other-vhosts-access-log.  
Enabling conf security.  
Enabling conf serve-cgi-bin.  
Enabling site 000-default.  
info: Switch to mpm prefork for package libapache2-mod-php7.4  
Module mpm\_event disabled.  
Enabling module mpm\_prefork.  
info: Executing deferred 'a2enmod php7.4' for package libapache2-mod-php7.4  
Enabling module php7.4.  
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.  
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.  
Job for apache2.service failed because the control process exited with error code.  
See "systemctl status apache2.service" and "journalctl -xe" for details.  
invoke-rc.d: initscript apache2, action "start" failed.

- apache2.service - The Apache HTTP Server

    Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)  
    Active: failed (Result: exit-code) since Mon 2021-09-13 18:16:56 IST; 7ms ago  
        Docs: <https://httpd.apache.org/docs/2.4/>  
        Process: 42170 ExecStart=/usr/sbin/apachectl start (code=exited, status=1/FAILURE)

Sep 13 18:16:56 webonise apachectl[42173]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this message  
Sep 13 18:16:56 webonise apachectl[42173]: (98)Address already in use: AH00072: make\_sock: could not bind to address [::]:80  
Sep 13 18:16:56 webonise apachectl[42173]: (98)Address already in use: AH00072: make\_sock: could not bind to address 0.0.0.0:80  
Sep 13 18:16:56 webonise apachectl[42173]: no listening sockets available, shutting down  
Sep 13 18:16:56 webonise apachectl[42173]: AH00015: Unable to open logs  
Sep 13 18:16:56 webonise apachectl[42170]: Action 'start' failed.  
Sep 13 18:16:56 webonise apachectl[42170]: The Apache error log may have more information.  
Sep 13 18:16:56 webonise systemd[1]: apache2.service: Control process exited, code=exited, status=1/FAILURE  
Sep 13 18:16:56 webonise systemd[1]: apache2.service: Failed with result 'exit-code'.  
Sep 13 18:16:56 webonise systemd[1]: Failed to start The Apache HTTP Server.

```
Setting up php-dev (2:7.4+75) ...
Setting up php7.4 (7.4.3-4ubuntu2.6) ...
Setting up php (2:7.4+75) ...
Setting up dh-autoreconf (19) ...
Setting up debhelper (12.10ubuntu1) ...
Setting up pkg-php-tools (1.38) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
Processing triggers for ufw (0.36-6) ...
Rules updated for profile 'Nginx HTTP'
```

Processing triggers for systemd (245.4-4ubuntu3.11) ...

Processing triggers for man-db (2.9.1-1) ...

Processing triggers for install-info (6.7.0.dfsg.2-5) ...

Processing triggers for php7.4-cli (7.4.3-4ubuntu2.6) ...

Processing triggers for libapache2-mod-php7.4 (7.4.3-4ubuntu2.6) ...

**webonise@webonise:~\$ sudo pecl search mcrypt**

WARNING: channel "pecl.php.net" has updated its protocols, use "pecl channel-update pecl.php.net" to update

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187

PHP Notice: Trying to access array offset on value of type bool in  
/usr/share/php/PEAR/REST.php on line 187

Retrieving data...0%

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187

PHP Notice: Trying to access array offset on value of type bool in  
/usr/share/php/PEAR/REST.php on line 187

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187

PHP Notice: Trying to access array offset on value of type bool in  
/usr/share/php/PEAR/REST.php on line 187

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PHP Notice: Trying to access array offset on value of type bool in  
/usr/share/php/PEAR/REST.php on line 187

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187

PHP Notice: Trying to access array offset on value of type bool in  
/usr/share/php/PEAR/REST.php on line 187

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187  
PHP Notice: Trying to access array offset on value of type bool in  
/usr/share/php/PEAR/REST.php on line 187

Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on  
line 550

PHP Notice: Trying to access array offset on value of type null in  
/usr/share/php/PEAR/Command/Remote.php on line 550

Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on  
line 551

PHP Notice: Trying to access array offset on value of type null in  
/usr/share/php/PEAR/Command/Remote.php on line 551

Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on  
line 550

PHP Notice: Trying to access array offset on value of type null in  
/usr/share/php/PEAR/Command/Remote.php on line 550

Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on  
line 551

PHP Notice: Trying to access array offset on value of type null in  
/usr/share/php/PEAR/Command/Remote.php on line 551

Matched packages, channel pecl.php.net:

=====

Package      Stable/(Latest) Local  
mcrypt      1.0.4 (stable)      Bindings for the libmcrypt library  
mcrypt\_filter 0.1.0 (beta)      Applies mcrypt symmetric encryption using stream filters  
webonise@webonise:~\$ sudo pecl install mcrypt

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187

PHP Notice: Trying to access array offset on value of type bool in  
/usr/share/php/PEAR/REST.php on line 187

WARNING: channel "pecl.php.net" has updated its protocols, use "pecl channel-update  
pecl.php.net" to update

downloading mcrypt-1.0.4.tgz ...

Starting to download mcrypt-1.0.4.tgz (27,056 bytes)

.....done: 27,056 bytes

6 source files, building

running: phpine

Configuring for:

PHP Api Version: 20190902

Zend Module Api No: 20190902

Zend Extension Api No: 320190902

```
libmcrypt prefix? [autodetect] :  
building in /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4  
running: /tmp/pear/temp/mcrypt/configure --with-php-config=/usr/bin/php-config --with-mcrypt  
checking for grep that handles long lines and -e... /usr/bin/grep  
checking for egrep... /usr/bin/grep -E  
checking for a sed that does not truncate output... /usr/bin/sed  
checking for pkg-config... /usr/bin/pkg-config  
checking pkg-config is at least version 0.9.0... yes  
checking for cc... cc  
checking whether the C compiler works... yes  
checking for C compiler default output file name... a.out  
checking for suffix of executables...  
checking whether we are cross compiling... no  
checking for suffix of object files... o  
checking whether we are using the GNU C compiler... yes  
checking whether cc accepts -g... yes  
checking for cc option to accept ISO C89... none needed  
checking how to run the C preprocessor... cc -E  
checking for icc... no  
checking for suncc... no  
checking for system library directory... lib  
checking if compiler supports -R... no  
checking if compiler supports -WI,-rpath,... yes  
checking build system type... x86_64-pc-linux-gnu  
checking host system type... x86_64-pc-linux-gnu  
checking target system type... x86_64-pc-linux-gnu  
checking for PHP prefix... /usr  
checking for PHP includes... -I/usr/include/php/20190902 -I/usr/include/php/20190902/main  
-I/usr/include/php/20190902/TSRM -I/usr/include/php/20190902 Zend  
-I/usr/include/php/20190902/ext -I/usr/include/php/20190902/ext/date/lib  
checking for PHP extension directory... /usr/lib/php/20190902  
checking for PHP installed headers prefix... /usr/include/php/20190902  
checking if debug is enabled... no  
checking if zts is enabled... no  
checking for gawk... no  
checking for nawk... nawk  
checking if nawk is broken... no  
checking for mcrypt support... yes, shared  
checking for libmcrypt version... >= 2.5.6  
checking for mcrypt_module_open in -lmcrypt... yes  
checking for a sed that does not truncate output... /usr/bin/sed  
checking for ld used by cc... /usr/bin/ld  
checking if the linker (/usr/bin/ld) is GNU ld... yes  
checking for /usr/bin/ld option to reload object files... -r
```

```
checking for BSD-compatible nm... /usr/bin/nm -B
checking whether ln -s works... yes
checking how to recognize dependent libraries... pass_all
checking for ANSI C header files... yes
checking for sys/types.h... yes
checking for sys/stat.h... yes
checking for stdlib.h... yes
checking for string.h... yes
checking for memory.h... yes
checking for strings.h... yes
checking for inttypes.h... yes
checking for stdint.h... yes
checking for unistd.h... yes
checking dlfcn.h usability... yes
checking dlfcn.h presence... yes
checking for dlfcn.h... yes
checking the maximum length of command line arguments... 1572864
checking command to parse /usr/bin/nm -B output from cc object... ok
checking for objdir... .libs
checking for ar... ar
checking for ranlib... ranlib
checking for strip... strip
checking if cc supports -fno-rtti -fno-exceptions... no
checking for cc option to produce PIC... -fPIC
checking if cc PIC flag -fPIC works... yes
checking if cc static flag -static works... yes
checking if cc supports -c -o file.o... yes
checking whether the cc linker (/usr/bin/ld -m elf_x86_64) supports shared libraries... yes
checking whether -lc should be explicitly linked in... no
checking dynamic linker characteristics... GNU/Linux ld.so
checking how to hardcode library paths into programs... immediate
checking whether stripping libraries is possible... yes
checking if libtool supports shared libraries... yes
checking whether to build shared libraries... yes
checking whether to build static libraries... no
```

```
creating libtool
appending configuration tag "CXX" to libtool
configure: patching config.h.in
configure: creating ./config.status
config.status: creating config.h
running: make
/bin/bash /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/libtool --mode=compile cc
-DZEND_ENABLE_STATIC_TSRLMS_CACHE=1 -I. -I/tmp/pear/temp/mcrypt
```

```
-DPHP_ATOM_INC -I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/include
-I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/main -I/tmp/pear/temp/mcrypt
-I/usr/include/php/20190902 -I/usr/include/php/20190902/main
-I/usr/include/php/20190902/TSRM -I/usr/include/php/20190902 Zend
-I/usr/include/php/20190902/ext -I/usr/include/php/20190902/ext/date/lib -DHAVE_CONFIG_H
-g -O2 -c /tmp/pear/temp/mcrypt/mcrypt.c -o mcrypt.lo
mkdir .libs
cc -DZEND_ENABLE_STATIC_TSRLMS_CACHE=1 -I. -I/tmp/pear/temp/mcrypt
-DPHP_ATOM_INC -I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/include
-I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/main -I/tmp/pear/temp/mcrypt
-I/usr/include/php/20190902 -I/usr/include/php/20190902/main
-I/usr/include/php/20190902/TSRM -I/usr/include/php/20190902 Zend
-I/usr/include/php/20190902/ext -I/usr/include/php/20190902/ext/date/lib -DHAVE_CONFIG_H
-g -O2 -c /tmp/pear/temp/mcrypt/mcrypt.c -fPIC -DPIC -o .libs/mcrypt.o
/bin/bash /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/libtool --mode=compile cc
-DZEND_ENABLE_STATIC_TSRLMS_CACHE=1 -I. -I/tmp/pear/temp/mcrypt
-DPHP_ATOM_INC -I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/include
-I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/main -I/tmp/pear/temp/mcrypt
-I/usr/include/php/20190902 -I/usr/include/php/20190902/main
-I/usr/include/php/20190902/TSRM -I/usr/include/php/20190902 Zend
-I/usr/include/php/20190902/ext -I/usr/include/php/20190902/ext/date/lib -DHAVE_CONFIG_H
-g -O2 -c /tmp/pear/temp/mcrypt/mcrypt_filter.c -o mcrypt_filter.lo
cc -DZEND_ENABLE_STATIC_TSRLMS_CACHE=1 -I. -I/tmp/pear/temp/mcrypt
-DPHP_ATOM_INC -I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/include
-I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/main -I/tmp/pear/temp/mcrypt
-I/usr/include/php/20190902 -I/usr/include/php/20190902/main
-I/usr/include/php/20190902/TSRM -I/usr/include/php/20190902 Zend
-I/usr/include/php/20190902/ext -I/usr/include/php/20190902/ext/date/lib -DHAVE_CONFIG_H
-g -O2 -c /tmp/pear/temp/mcrypt/mcrypt_filter.c -fPIC -DPIC -o .libs/mcrypt_filter.o
/bin/bash /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/libtool --mode=link cc
-DPHP_ATOM_INC -I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/include
-I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/main -I/tmp/pear/temp/mcrypt
-I/usr/include/php/20190902 -I/usr/include/php/20190902/main
-I/usr/include/php/20190902/TSRM -I/usr/include/php/20190902 Zend
-I/usr/include/php/20190902/ext -I/usr/include/php/20190902/ext/date/lib -DHAVE_CONFIG_H
-g -O2 -o mcrypt.la -export-dynamic -avoid-version -prefer-pic -module -rpath
/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/modules mcrypt.lo mcrypt_filter.lo -lmcrypt
-lldl
cc -shared .libs/mcrypt.o .libs/mcrypt_filter.o /usr/lib/libmcrypt.so
/usr/lib/x86_64-linux-gnu/libltdl.so -Wl,-soname -Wl,mcrypt.so -o .libs/mcrypt.so
creating mcrypt.la
(cd .libs && rm -f mcrypt.la && ln -s ./mcrypt.la mcrypt.la)
/bin/bash /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/libtool --mode=install cp
./mcrypt.la /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/modules
```

```
cp ./libs/mcrypt.so /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/modules/mcrypt.so
cp ./libs/mcrypt.lai /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/modules/mcrypt.la
PATH="$PATH:/sbin" ldconfig -n /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/modules
```

---

Libraries have been installed in:

```
/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/modules
```

If you ever happen to want to link against installed libraries  
in a given directory, LIBDIR, you must either use libtool, and  
specify the full pathname of the library, or use the '-L'  
flag during linking and do at least one of the following:

- add LIBDIR to the 'LD\_LIBRARY\_PATH' environment variable  
during execution
- add LIBDIR to the 'LD\_RUN\_PATH' environment variable  
during linking
- use the '-Wl,--rpath -Wl,LIBDIR' linker flag
- have your system administrator add LIBDIR to '/etc/ld.so.conf'

See any operating system documentation about shared libraries for  
more information, such as the `ld(1)` and `ld.so(8)` manual pages.

---

Build complete.

Don't forget to run 'make test'.

```
running: make INSTALL_ROOT="/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4"
install
Installing shared extensions:
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4/usr/lib/php/20190902/
running: find "/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4" | xargs ls -dils
9176492 4 drwxr-xr-x 3 root root 4096 Sep 13 18:17
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4
9176515 4 drwxr-xr-x 3 root root 4096 Sep 13 18:17
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4/usr
9176516 4 drwxr-xr-x 3 root root 4096 Sep 13 18:17
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4/usr/lib
9176517 4 drwxr-xr-x 3 root root 4096 Sep 13 18:17
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4/usr/lib/php
9176518 4 drwxr-xr-x 2 root root 4096 Sep 13 18:17
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4/usr/lib/php/20190902
9176513 216 -rwxr-xr-x 1 root root 219288 Sep 13 18:17
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4/usr/lib/php/20190902/mcrypt.so
```

Build process completed successfully

```
Installing '/usr/lib/php/20190902/mcrypt.so'
install ok: channel://pecl.php.net/mcrypt-1.0.4
configuration option "php_ini" is not set to php.ini location
You should add "extension=mcrypt.so" to php.ini
webonise@webonise:~$ sudo vim /etc/php/*/cli/php.ini
sudo: vim: command not found
webonise@webonise:~$ sudo apt install vim
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libfprint-2-tod1 libllvm10
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  vim-runtime
Suggested packages:
  ctags vim-doc vim-scripts
The following NEW packages will be installed:
  vim vim-runtime
0 upgraded, 2 newly installed, 0 to remove and 18 not upgraded.
Need to get 7,111 kB of archives.
After this operation, 34.6 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu focal/main amd64 vim-runtime all
 2:8.1.2269-1ubuntu5 [5,873 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal/main amd64 vim amd64 2:8.1.2269-1ubuntu5
  [1,238 kB]
Fetched 7,111 kB in 0s (18.9 MB/s)
Selecting previously unselected package vim-runtime.
(Reading database ... 195528 files and directories currently installed.)
Preparing to unpack .../vim-runtime_2%3a8.1.2269-1ubuntu5_all.deb ...
Adding 'diversion of /usr/share/vim/vim81/doc/help.txt to /usr/share/vim/vim81/
doc/help.txt.vim-tiny by vim-runtime'
Adding 'diversion of /usr/share/vim/vim81/doc/tags to /usr/share/vim/vim81/doc/
tags.vim-tiny by vim-runtime'
Unpacking vim-runtime (2:8.1.2269-1ubuntu5) ...
Selecting previously unselected package vim.
Preparing to unpack .../vim_2%3a8.1.2269-1ubuntu5_amd64.deb ...
Unpacking vim (2:8.1.2269-1ubuntu5) ...
Setting up vim-runtime (2:8.1.2269-1ubuntu5) ...
Setting up vim (2:8.1.2269-1ubuntu5) ...
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vim (vim) in
auto mode
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vimdiff (vimd
```

iff) in auto mode  
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rvim (rvim) in auto mode  
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rview (rview) in auto mode  
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vi (vi) in auto mode  
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/view (view) in auto mode  
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/ex (ex) in auto mode

Processing triggers for man-db (2.9.1-1) ...

```
webonise@webonise:~$ sudo vim /etc/php/*/cli/php.ini
webonise@webonise:~$ php -m | grep mcrypt
webonise@webonise:~$ sudo vim /etc/php/*/cli/php.ini
webonise@webonise:~$ sudo vim /etc/php/*/apache2/php.ini
webonise@webonise:~$ php -m | grep mcrypt
```

mcrypt

```
webonise@webonise:~$ sudo systemctl restart apache2
```

Job for apache2.service failed because the control process exited with error code.  
See "systemctl status apache2.service" and "journalctl -xe" for details.

```
webonise@webonise:~$ systemctl status apache2.service
```

- apache2.service - The Apache HTTP Server

  Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)

  Active: failed (Result: exit-code) since Mon 2021-09-13 18:33:38 IST; 28s ago

    Docs: <https://httpd.apache.org/docs/2.4/>

  Process: 49862 ExecStart=/usr/sbin/apachectl start (code=exited, status=1/FAILURE)

```
Sep 13 18:33:38 webonise apachectl[49865]: AH00558: apache2: Could not reliably determine
the server's fully qualified domain name, using 127>
Sep 13 18:33:38 webonise apachectl[49865]: (98)Address already in use: AH00072:
make_sock: could not bind to address [::]:80
Sep 13 18:33:38 webonise apachectl[49865]: (98)Address already in use: AH00072:
make_sock: could not bind to address 0.0.0.0:80
Sep 13 18:33:38 webonise apachectl[49865]: no listening sockets available, shutting down
Sep 13 18:33:38 webonise apachectl[49865]: AH00015: Unable to open logs
Sep 13 18:33:38 webonise apachectl[49862]: Action 'start' failed.
Sep 13 18:33:38 webonise apachectl[49862]: The Apache error log may have more information.
Sep 13 18:33:38 webonise systemd[1]: apache2.service: Control process exited, code=exited,
status=1/FAILURE
Sep 13 18:33:38 webonise systemd[1]: apache2.service: Failed with result 'exit-code'.
Sep 13 18:33:38 webonise systemd[1]: Failed to start The Apache HTTP Server.
```

```
webonise@webonise:~$ systemctl restart nginx
```

```
webonise@webonise:~$ systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
  Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
  Active: active (running) since Mon 2021-09-13 18:35:00 IST; 11s ago
    Docs: man:nginx(8)
 Process: 49926 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on;
           (code=exited, status=0/SUCCESS)
 Process: 49927 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited,
           status=0/SUCCESS)
 Main PID: 49928 (nginx)
   Tasks: 9 (limit: 18743)
     Memory: 7.4M
      CGroup: /system.slice/nginx.service
              └─49928 nginx: master process /usr/sbin/nginx -g daemon on; master_process on;
                  ├─49929 nginx: worker process
                  ├─49930 nginx: worker process
                  ├─49931 nginx: worker process
                  ├─49932 nginx: worker process
                  ├─49933 nginx: worker process
                  ├─49934 nginx: worker process
                  ├─49935 nginx: worker process
                  └─49936 nginx: worker process
```

Sep 13 18:35:00 webonise systemd[1]: Starting A high performance web server and a reverse proxy server...

Sep 13 18:35:00 webonise systemd[1]: Started A high performance web server and a reverse proxy server.

```
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
```

Skipping adding existing rule

Skipping adding existing rule (v6)

```
webonise@webonise:~$ sudo ufw status
```

Status: inactive

```
webonise@webonise:~$ apt install -y php php-common php-mbstring php-gd php-intl php-xml
php-mysql php-mcrypt php-fpm
```

E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)

E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?

```
webonise@webonise:~$ sudo ufw enable
```

Firewall is active and enabled on system startup

```
webonise@webonise:~$ sudo ufw default deny
```

Default incoming policy changed to 'deny'

(be sure to update your rules accordingly)

```
webonise@webonise:~$ sudo iptables -L
```

Chain INPUT (policy DROP)

target	prot	opt	source	destination
--------	------	-----	--------	-------------

```
ufw-before-logging-input all -- anywhere      anywhere
ufw-before-input all -- anywhere      anywhere
ufw-after-input all -- anywhere      anywhere
ufw-after-logging-input all -- anywhere      anywhere
ufw-reject-input all -- anywhere      anywhere
ufw-track-input all -- anywhere      anywhere
```

#### Chain FORWARD (policy DROP)

```
target  prot opt source      destination
ufw-before-logging-forward all -- anywhere      anywhere
ufw-before-forward all -- anywhere      anywhere
ufw-after-forward all -- anywhere      anywhere
ufw-after-logging-forward all -- anywhere      anywhere
ufw-reject-forward all -- anywhere      anywhere
ufw-track-forward all -- anywhere      anywhere
```

#### Chain OUTPUT (policy ACCEPT)

```
target  prot opt source      destination
ufw-before-logging-output all -- anywhere      anywhere
ufw-before-output all -- anywhere      anywhere
ufw-after-output all -- anywhere      anywhere
ufw-after-logging-output all -- anywhere      anywhere
ufw-reject-output all -- anywhere      anywhere
ufw-track-output all -- anywhere      anywhere
```

#### Chain ufw-after-forward (1 references)

```
target  prot opt source      destination
```

#### Chain ufw-after-input (1 references)

target	prot	opt	source	destination	
ufw-skip-to-policy-input	udp	--	anywhere	anywhere	udp dpt:netbios-ns
ufw-skip-to-policy-input	udp	--	anywhere	anywhere	udp dpt:netbios-dgm
ufw-skip-to-policy-input	tcp	--	anywhere	anywhere	tcp dpt:netbios-ssn
ufw-skip-to-policy-input	tcp	--	anywhere	anywhere	tcp dpt:microsoft-ds
ufw-skip-to-policy-input	udp	--	anywhere	anywhere	udp dpt:bootps
ufw-skip-to-policy-input	udp	--	anywhere	anywhere	udp dpt:bootpc
ufw-skip-to-policy-input	all	--	anywhere	anywhere	ADDRTYPE match dst-type

BROADCAST

#### Chain ufw-after-logging-forward (1 references)

```
target  prot opt source      destination
LOG    all -- anywhere      anywhere      limit: avg 3/min burst 10 LOG level warning
prefix "[UFW BLOCK] "
```

Chain ufw-after-logging-input (1 references)  
target prot opt source destination  
LOG all -- anywhere anywhere limit: avg 3/min burst 10 LOG level warning  
prefix "[UFW BLOCK]"

Chain ufw-after-logging-output (1 references)  
target prot opt source destination

Chain ufw-after-output (1 references)  
target prot opt source destination

Chain ufw-before-forward (1 references)  
target prot opt source destination  
ACCEPT all -- anywhere anywhere ctstate RELATED,ESTABLISHED  
ACCEPT icmp -- anywhere anywhere icmp destination-unreachable  
ACCEPT icmp -- anywhere anywhere icmp time-exceeded  
ACCEPT icmp -- anywhere anywhere icmp parameter-problem  
ACCEPT icmp -- anywhere anywhere icmp echo-request  
ufw-user-forward all -- anywhere anywhere

Chain ufw-before-input (1 references)  
target prot opt source destination  
ACCEPT all -- anywhere anywhere ctstate RELATED,ESTABLISHED  
ACCEPT all -- anywhere anywhere ctstate INVALID  
ufw-logging-deny all -- anywhere anywhere ctstate INVALID  
DROP all -- anywhere anywhere ctstate INVALID  
ACCEPT icmp -- anywhere anywhere icmp destination-unreachable  
ACCEPT icmp -- anywhere anywhere icmp time-exceeded  
ACCEPT icmp -- anywhere anywhere icmp parameter-problem  
ACCEPT icmp -- anywhere anywhere icmp echo-request  
ACCEPT udp -- anywhere anywhere udp spt:bootps dpt:bootpc  
ufw-not-local all -- anywhere anywhere  
ACCEPT udp -- anywhere 224.0.0.251 udp dpt:mdns  
ACCEPT udp -- anywhere 239.255.255.250 udp dpt:1900  
ufw-user-input all -- anywhere anywhere

Chain ufw-before-logging-forward (1 references)  
target prot opt source destination

Chain ufw-before-logging-input (1 references)  
target prot opt source destination

Chain ufw-before-logging-output (1 references)  
target prot opt source destination

Chain ufw-before-output (1 references)

```
target  prot opt source      destination
ACCEPT  all -- anywhere    anywhere
ACCEPT  all -- anywhere    anywhere      ctstate RELATED,ESTABLISHED
ufw-user-output all -- anywhere    anywhere
```

Chain ufw-logging-allow (0 references)

```
target  prot opt source      destination
LOG    all -- anywhere    anywhere      limit: avg 3/min burst 10 LOG level warning
prefix "[UFW ALLOW]"
```

Chain ufw-logging-deny (2 references)

```
target  prot opt source      destination
RETURN all -- anywhere    anywhere      ctstate INVALID limit: avg 3/min burst 10
LOG    all -- anywhere    anywhere      limit: avg 3/min burst 10 LOG level warning
prefix "[UFW BLOCK]"
```

Chain ufw-not-local (1 references)

```
target  prot opt source      destination
RETURN all -- anywhere    anywhere      ADDRTYPE match dst-type LOCAL
RETURN all -- anywhere    anywhere      ADDRTYPE match dst-type MULTICAST
RETURN all -- anywhere    anywhere      ADDRTYPE match dst-type
BROADCAST
ufw-logging-deny all -- anywhere    anywhere      limit: avg 3/min burst 10
DROP   all -- anywhere    anywhere
```

Chain ufw-reject-forward (1 references)

```
target  prot opt source      destination
```

Chain ufw-reject-input (1 references)

```
target  prot opt source      destination
```

Chain ufw-reject-output (1 references)

```
target  prot opt source      destination
```

Chain ufw-skip-to-policy-forward (0 references)

```
target  prot opt source      destination
DROP   all -- anywhere    anywhere
```

Chain ufw-skip-to-policy-input (7 references)

```
target  prot opt source      destination
DROP   all -- anywhere    anywhere
```

```
Chain ufw-skip-to-policy-output (0 references)
target  prot opt source          destination
ACCEPT  all  --  anywhere       anywhere

Chain ufw-track-forward (1 references)
target  prot opt source          destination

Chain ufw-track-input (1 references)
target  prot opt source          destination

Chain ufw-track-output (1 references)
target  prot opt source          destination
ACCEPT  tcp  --  anywhere      anywhere      ctstate NEW
ACCEPT  udp  --  anywhere      anywhere      ctstate NEW

Chain ufw-user-forward (1 references)
target  prot opt source          destination

Chain ufw-user-input (1 references)
target  prot opt source          destination
ACCEPT  tcp  --  anywhere      anywhere      tcp dpt:http /* 'dapp_Nginx%20HTTP' */

Chain ufw-user-limit (0 references)
target  prot opt source          destination
LOG    all  --  anywhere      anywhere      limit: avg 3/min burst 5 LOG level warning
prefix "[UFW LIMIT BLOCK]"
REJECT all  --  anywhere      anywhere      reject-with icmp-port-unreachable

Chain ufw-user-limit-accept (0 references)
target  prot opt source          destination
ACCEPT  all  --  anywhere      anywhere

Chain ufw-user-logging-forward (0 references)
target  prot opt source          destination

Chain ufw-user-logging-input (0 references)
target  prot opt source          destination

Chain ufw-user-logging-output (0 references)
target  prot opt source          destination

Chain ufw-user-output (1 references)
target  prot opt source          destination
webonise@webonise:~$ sudo ufw enable
```

```
Firewall is active and enabled on system startup  
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
```

```
Skipping adding existing rule  
Skipping adding existing rule (v6)
```

```
webonise@webonise:~$ sudo ufw status
```

```
Status: active
```

To	Action	From
--	-----	-----
Nginx HTTP	ALLOW	Anywhere
Nginx HTTP (v6)	ALLOW	Anywhere (v6)

```
webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/V.*$//'  
Device "eth0" does not exist.
```

```
webonise@webonise:~$ sudo apt install php-fpm php-mysql
```

```
Reading package lists... Done
```

```
Building dependency tree
```

```
Reading state information... Done
```

```
The following packages were automatically installed and are no longer required:
```

```
libfprint-2-tod1 libllvm10
```

```
Use 'sudo apt autoremove' to remove them.
```

```
The following additional packages will be installed:
```

```
php7.4-fpm php7.4-mysql
```

```
The following NEW packages will be installed:
```

```
php-fpm php-mysql php7.4-fpm php7.4-mysql
```

```
0 upgraded, 4 newly installed, 0 to remove and 18 not upgraded.
```

```
Need to get 1,559 kB of archives.
```

```
After this operation, 5,361 kB of additional disk space will be used.
```

```
Do you want to continue? [Y/n] y
```

```
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 php7.4-fpm amd64  
7.4.3-4ubuntu2.6 [1,434 kB]
```

```
Get:2 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 php-fpm all 2:7.4+75 [2,792 B]
```

```
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-mysql amd64  
7.4.3-4ubuntu2.6 [121 kB]
```

```
Get:4 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php-mysql all 2:7.4+75 [2,000 B]
```

```
Fetched 1,559 kB in 0s (3,842 kB/s)
```

```
Selecting previously unselected package php7.4-fpm.
```

```
(Reading database ... 197364 files and directories currently installed.)
```

```
Preparing to unpack .../php7.4-fpm_7.4.3-4ubuntu2.6_amd64.deb ...
```

```
Unpacking php7.4-fpm (7.4.3-4ubuntu2.6) ...
```

```
Selecting previously unselected package php-fpm.
```

```
Preparing to unpack .../php-fpm_2%3a7.4+75_all.deb ...
```

```
Unpacking php-fpm (2:7.4+75) ...
```

```
Selecting previously unselected package php7.4-mysql.
```

```
Preparing to unpack .../php7.4-mysql_7.4.3-4ubuntu2.6_amd64.deb ...
Unpacking php7.4-mysql (7.4.3-4ubuntu2.6) ...
Selecting previously unselected package php-mysql.
Preparing to unpack .../php-mysql_2%3a7.4+75_all.deb ...
Unpacking php-mysql (2:7.4+75) ...
Setting up php7.4-mysql (7.4.3-4ubuntu2.6) ...
```

Creating config file /etc/php/7.4/mods-available/mysqlnd.ini with new version

Creating config file /etc/php/7.4/mods-available/mysqli.ini with new version

Creating config file /etc/php/7.4/mods-available/pdo\_mysql.ini with new version
Setting up php7.4-fpm (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/fpm/php.ini with new version

NOTICE: Not enabling PHP 7.4 FPM by default.

NOTICE: To enable PHP 7.4 FPM in Apache2 do:

NOTICE: a2enmod proxy\_fcgi setenvif

NOTICE: a2enconf php7.4-fpm

NOTICE: You are seeing this message because you have apache2 package installed.

Created symlink /etc/systemd/system/multi-user.target.wants/php7.4-fpm.service →
/lib/systemd/system/php7.4-fpm.service.

Setting up php-fpm (2:7.4+75) ...

Setting up php-mysql (2:7.4+75) ...

Processing triggers for man-db (2.9.1-1) ...

Processing triggers for libapache2-mod-php7.4 (7.4.3-4ubuntu2.6) ...

Processing triggers for systemd (245.4-4ubuntu3.11) ...

Processing triggers for php7.4-cli (7.4.3-4ubuntu2.6) ...

Processing triggers for php7.4-fpm (7.4.3-4ubuntu2.6) ...

NOTICE: Not enabling PHP 7.4 FPM by default.

NOTICE: To enable PHP 7.4 FPM in Apache2 do:

NOTICE: a2enmod proxy\_fcgi setenvif

NOTICE: a2enconf php7.4-fpm

NOTICE: You are seeing this message because you have apache2 package installed.

webonise@webonise:~\$

Activities Terminal Sep 14 00:43 webonise@webonise: ~

```
webonise@webonise:~$ sudo apt update
[sudo] password for webonise:
Hit:1 http://dl.google.com/linux/chrome/deb stable InRelease
Hit:2 https://packagecloud.io/slacktechnologies/slack/debian jessie InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu focal InRelease
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1,207 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main i386 Packages [532 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [258 kB]
Hit:9 http://apt.postgresql.org/pub/repos/apt focal-pgdg InRelease
Get:10 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metadata [282 kB]
Get:11 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [14.2 kB]
Get:12 http://in.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [443 kB]
Get:13 http://in.archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [63.5 kB]
Get:14 http://in.archive.ubuntu.com/ubuntu focal-updates/universe i386 Packages [632 kB]
Get:15 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [857 kB]
Get:16 http://in.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [181 kB]
Get:17 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 DEP-11 Metadata [351 kB]
Get:18 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [18.8 kB]
Get:19 http://in.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 DEP-11 Metadata [944 B]
Get:20 http://in.archive.ubuntu.com/ubuntu focal-backports/universe amd64 DEP-11 Metadata [10.4 kB]
Get:21 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:22 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [27.6 kB]
Get:23 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [8,692 B]
Get:24 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [61.0 kB]
Get:25 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [12.4 kB]
Get:26 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [2,464 B]
Fetched 5,293 kB in 8s (696 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
18 packages can be upgraded. Run 'apt list --upgradable' to see them.
N: Skipping acquire of configured file 'main/binary-i386/Packages' as repository 'http://apt.postgresql.org/pub/repos/apt focal-pgdg InRelease'
  doesn't support architecture 'i386'
webonise@webonise:~$ sudo apt install nginx
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libpprint-2-todl libl10n10
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream nginx nginx-common nginx-core
Suggested packages:
  fcgiwrap nginx-doc
The following NEW packages will be installed:
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream nginx nginx-common nginx-core
0 upgraded, 7 newly installed, 0 to remove and 18 not upgraded.
Need to get 603 kB of archives.
After this operation, 2,134 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-common all 1.18.0-0ubuntu1.2 [37.5 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-http-image-filter amd64 1.18.0-0ubuntu1.2 [14.4 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-http-xslt-filter amd64 1.18.0-0ubuntu1.2 [12.7 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-mail amd64 1.18.0-0ubuntu1.2 [42.5 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-stream amd64 1.18.0-0ubuntu1.2 [67.3 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-core amd64 1.18.0-0ubuntu1.2 [425 kB]
Fetched 603 kB in 0s (5,333 kB/s)
Preconfiguring packages ...
Selecting previously unselected package nginx-common.
(Reading database ... 187054 files and directories currently installed.)
Preparing to unpack .../0.nginx-common_1.18.0-0ubuntu1.2_all.deb ...
Unpacking nginx-common (1.18.0-0ubuntu1.2) ...
Selecting previously unselected package libnginx-mod-http-image-filter.
Preparing to unpack .../1.libnginx-mod-http-image-filter_1.18.0-0ubuntu1.2_amd64.deb ...
Unpacking libnginx-mod-http-image-filter (1.18.0-0ubuntu1.2) ...
Selecting previously unselected package libnginx-mod-http-xslt-filter.
```

Activities Terminal Sep 14 00:43 webonise@webonise: ~

```
' doesn't support architecture 'i386'
webonise@webonise:~$ sudo apt install nginx
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libpprint-2-todl libl10n10
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream nginx nginx-common nginx-core
Suggested packages:
  fcgiwrap nginx-doc
The following NEW packages will be installed:
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream nginx nginx-common nginx-core
0 upgraded, 7 newly installed, 0 to remove and 18 not upgraded.
Need to get 603 kB of archives.
After this operation, 2,134 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-common all 1.18.0-0ubuntu1.2 [37.5 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-http-image-filter amd64 1.18.0-0ubuntu1.2 [14.4 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-http-xslt-filter amd64 1.18.0-0ubuntu1.2 [12.7 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-mail amd64 1.18.0-0ubuntu1.2 [42.5 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-stream amd64 1.18.0-0ubuntu1.2 [67.3 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-core amd64 1.18.0-0ubuntu1.2 [425 kB]
Fetched 603 kB in 0s (5,333 kB/s)
Preconfiguring packages ...
Selecting previously unselected package nginx-common.
(Reading database ... 187054 files and directories currently installed.)
Preparing to unpack .../0.nginx-common_1.18.0-0ubuntu1.2_all.deb ...
Unpacking nginx-common (1.18.0-0ubuntu1.2) ...
Selecting previously unselected package libnginx-mod-http-image-filter.
Preparing to unpack .../1.libnginx-mod-http-image-filter_1.18.0-0ubuntu1.2_amd64.deb ...
Unpacking libnginx-mod-http-image-filter (1.18.0-0ubuntu1.2) ...
Selecting previously unselected package libnginx-mod-http-xslt-filter.
```

```
Activities Terminal Sep 14 00:43
Preparing to unpack .../2-libnginx-mod-http-xslt-filter_1.18.0-0ubuntu1.2_amd64.deb ...
Unpacking libnginx-mod-http-xslt-filter (1.18.0-0ubuntu1.2) ...
Selecting previously unselected package libnginx-mod-mail.
Unpacking libnginx-mod-mail (1.18.0-0ubuntu1.2) ...
Selecting previously unselected package libnginx-mod-stream.
Unpacking libnginx-mod-stream (1.18.0-0ubuntu1.2) ...
Unpacking libnginx-mod-stream (1.18.0-0ubuntu1.2_amd64.deb ...
Selecting previously unselected package nginx-core.
Preparing to unpack .../5-nginx-core_1.18.0-0ubuntu1.2_amd64.deb ...
Unpacking nginx-core (1.18.0-0ubuntu1.2) ...
Selecting previously unselected package nginx.
Preparing to unpack .../6-nginx_1.18.0-0ubuntu1.2_all.deb ...
Unpacking nginx (1.18.0-0ubuntu1.2) ...
Setting up nginx-common (1.18.0-0ubuntu1.2) ...
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service → /lib
/systemd/system/nginx.service.
Setting up libnginx-mod-http-xslt-filter (1.18.0-0ubuntu1.2) ...
Setting up libnginx-mod-mail (1.18.0-0ubuntu1.2) ...
Setting up libnginx-mod-http-image-filter (1.18.0-0ubuntu1.2) ...
Setting up libnginx-mod-stream (1.18.0-0ubuntu1.2) ...
Setting up nginx-core (1.18.0-0ubuntu1.2) ...
Setting up nginx (1.18.0-0ubuntu1.2) ...
Processing triggers for systemd (245.4-4ubuntu3.11) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for ufw (0.36-6) ...
webonise@webonise:~$ sudo ufw app list
Available applications:
  CUPS
    Nginx Full
    Nginx HTTP
    Nginx HTTPS
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
Rules updated
Rules updated (v6)
webonise@webonise:~$ sudo ufw status
Status: inactive
```

```
Activities Terminal Sep 14 00:43
Nginx HTTPS
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
Rules updated
Rules updated (v6)
webonise@webonise:~$ sudo ufw status
Status: inactive
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
Skipping adding existing rule
Skipping adding existing rule (v6)
webonise@webonise:~$ sudo ufw status
Status: inactive
webonise@webonise:~$ systemctl start nginx
webonise@webonise:~$ systemctl enable nginx
Synchronizing state of nginx.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable nginx
webonise@webonise:~$ systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset:●
   Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago
     Docs: man:nginx(8)
     Main PID: 26016 (nginx)
        Tasks: 9 (limit: 18743)
       Memory: 7.9M
      CGroup: /system.slice/nginx.service
              └─26016 nginx: master process /usr/sbin/nginx -g daemon on; master●
      ├─26017 nginx: worker process
      ├─26018 nginx: worker process
      ├─26019 nginx: worker process
      ├─26020 nginx: worker process
      ├─26021 nginx: worker process
      ├─26022 nginx: worker process
      ├─26023 nginx: worker process
      └─26024 nginx: worker process

Sep 13 18:05:45 webonise systemd[1]: Starting A high performance web server and...
Sep 13 18:05:45 webonise systemd[1]: Started A high performance web server and...
[lines 1-20/20 (END)...skipping...
● nginx.service - A high performance web server and a reverse proxy server
```

Activities Terminal Sep 14 00:43 webonise@webonise: ~

```
Status: inactive
webonise@webonise:~$ systemctl start nginx
webonise@webonise:~$ systemctl enable nginx
Synchronizing state of nginx.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable nginx
webonise@webonise:~$ systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
     Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago
       Docs: man:nginx(8)
      Main PID: 26016 (nginx)
         Tasks: 9 (limit: 18743)
        Memory: 7.9M
       CGroup: /system.slice/nginx.service
               ├─26016 nginx: master process /usr/sbin/nginx -g daemon on; master_process
               ├─26017 nginx: worker process
               ├─26018 nginx: worker process
               ├─26019 nginx: worker process
               ├─26020 nginx: worker process
               ├─26021 nginx: worker process
               ├─26022 nginx: worker process
               ├─26023 nginx: worker process
               └─26024 nginx: worker process

Sep 13 18:05:45 webonise systemd[1]: Starting A high performance web server and...
Sep 13 18:05:45 webonise systemd[1]: Started A high performance web server and...
Lines 1-20/20 (END)...skipping...
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
     Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago
       Docs: man:nginx(8)
      Main PID: 26016 (nginx)
         Tasks: 9 (limit: 18743)
        Memory: 7.9M
       CGroup: /system.slice/nginx.service
               ├─26016 nginx: master process /usr/sbin/nginx -g daemon on; master_process
               ├─26017 nginx: worker process
               ├─26018 nginx: worker process
               ├─26019 nginx: worker process
               ├─26020 nginx: worker process
               ├─26021 nginx: worker process
               ├─26022 nginx: worker process
               ├─26023 nginx: worker process
               └─26024 nginx: worker process
```

Activities Terminal Sep 14 00:44 webonise@webonise: ~

```
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
     Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago
       Docs: man:nginx(8)
      Main PID: 26016 (nginx)
         Tasks: 9 (limit: 18743)
        Memory: 7.9M
       CGroup: /system.slice/nginx.service
               ├─26016 nginx: master process /usr/sbin/nginx -g daemon on; master_process
               ├─26017 nginx: worker process
               ├─26018 nginx: worker process
               ├─26019 nginx: worker process
               ├─26020 nginx: worker process
               ├─26021 nginx: worker process
               ├─26022 nginx: worker process
               ├─26023 nginx: worker process
               └─26024 nginx: worker process

Sep 13 18:05:45 webonise systemd[1]: Starting A high performance web server and a reverse proxy server...
Sep 13 18:05:45 webonise systemd[1]: Started A high performance web server and a reverse proxy server.
```

```
Activities Terminal Sep 14 00:44 webonise@webonise:~  
CREATE: command not found  
E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)  
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?  
Status: inactive  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
Package php-mcrypt is not available, but is referred to by another package.  
This may mean that the package is missing, has been obsoleted, or  
is only available from another source  
E: Package 'php-mcrypt' has no installation candidate  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  libbprint-2-todi liblvm10  
Use 'sudo apt autoremove' to remove them.  
The following additional packages will be installed:  
  binutils binutils-common binutils-x86_64-linux-gnu dpkg-dev fakeroot g++  
  g++-9 gcc gcc-9 libalgorithm-diff-perl libalgorithm-diff-xs-perl  
  libalgorithm-merge-perl libasan5 libatomic1 libbinutils libc-dev-bin  
  libbc6-dev libcrypt-dev libctf-nobfd0 libctf0 libfakeroot libgcc-9-dev  
  libitm1 liblsan0 libquadmath0 libstdc++-9-dev libtsan0 libubsan1  
  linux-libc-dev make manpages-dev  
Suggested packages:  
  binutils-doc debian-keyring g++-multilib g++-9-multilib gcc-9-doc  
  gcc-multilib autoconf automake libtool flex bison gcc-doc gcc-9-multilib  
  gcc-9-locales glibc-doc libstdc++-9-doc make-doc  
The following NEW packages will be installed:  
  binutils binutils-common binutils-x86_64-linux-gnu build-essential dpkg-dev  
  fakeroot g++ g++-9 gcc gcc-9 libalgorithm-diff-perl  
  libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan5 libatomic1  
  libbinutils libc-dev-bin libbc6-dev libcrypt-dev libctf-nobfd0 libctf0  
  libfakeroot libgcc-9-dev libitm1 liblsan0 libquadmath0 libstdc++-9-dev  
  libtsan0 libubsan1 linux-libc-dev make manpages-dev  
0 upgraded, 32 newly installed, 0 to remove and 18 not upgraded.  
Need to get 34.4 MB of archives.  
After this operation, 157 MB of additional disk space will be used.  
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-common amd64 2.34-6ubuntu1.1 [207 kB]  
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libbinutils amd64 2.34-6ubuntu1.1 [475 kB]  
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf-nobfd0 amd64 2.34-6ubuntu1.1 [47.1 kB]  
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf0 amd64 2.34-6ubuntu1.1 [46.6 kB]  
Get:5 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-x86_64-linux-gnu amd64 2.34-6ubuntu1.1 [1,613 kB]  
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils amd64 2.34-6ubuntu1.1 [3,380 kB]  
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc-dev-bin amd64 2.31-9ubuntu9.2 [71.8 kB]  
Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 linux-libc-dev amd64 5.4.0-84.94 [1,115 kB]  
Get:9 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libcrypt-dev amd64 1:4.4.10-10ubuntu4 [104 kB]  
Get:10 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libgcc-dev amd64 2.31-9ubuntu9.2 [2,520 kB]  
Get:11 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libitm1 amd64 10.3.0-1ubuntu1-20.04 [26.2 kB]  
Get:12 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libatomic1 amd64 10.3.0-1ubuntu1-20.04 [9,284 kB]  
Get:13 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libasan5 amd64 9.3.0-17ubuntu1-20.04 [394 kB]  
Get:14 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 liblsan0 amd64 10.3.0-1ubuntu1-20.04 [835 kB]  
Get:15 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libtsan0 amd64 10.3.0-1ubuntu1-20.04 [2,009 kB]  
Get:16 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libubsan1 amd64 10.3.0-1ubuntu1-20.04 [784 kB]  
Get:17 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libquadmath0 amd64 10.3.0-1ubuntu1-20.04 [146 kB]  
Get:18 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libgcc-9-dev amd64 9.3.0-17ubuntu1-20.04 [2,360 kB]  
Get:19 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 gcc-9 amd64 9.3.0-17ubuntu1-20.04 [8,241 kB]  
Get:20 http://in.archive.ubuntu.com/ubuntu focal/main amd64 gcc amd64 4:9.3.0-1ubuntu2 [5,208 kB]  
Get:21 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libstdc++-9-dev amd64 9.3.0-17ubuntu1-20.04 [1,714 kB]  
Get:22 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 g++-9 amd64 9.3.0-17ubuntu1-20.04 [8,405 kB]  
Get:24 http://in.archive.ubuntu.com/ubuntu focal/main amd64 make amd64 4.2.1-1.2 [162 kB]  
Get:25 http://in.archive.ubuntu.com/ubuntu focal/main amd64 dpkg-dev all 1.19.7ubuntu3 [679 kB]  
Get:26 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 build-essential amd64 12.8ubuntu1.1 [4,664 B]  
Get:27 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libfakeroot amd64 1.24-1 [25.7 kB]  
Get:28 http://in.archive.ubuntu.com/ubuntu focal/main amd64 fakeroot amd64 1.24-1 [62.6 kB]  
Get:29 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-perl all 1.19.03-2 [46.6 kB]  
Get:30 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-xs-perl amd64 0.04-6 [11.3 kB]
```

```
Activities Terminal Sep 14 00:44 webonise@webonise:~  
fakeroot g++ g++-9 gcc gcc-9 libalgorithm-diff-perl  
libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan5 libatomic1  
libbinutils libc-dev-bin libbc6-dev libcrypt-dev libctf-nobfd0 libctf0  
libfakeroot libgcc-9-dev libitm1 liblsan0 libquadmath0 libstdc++-9-dev  
libtsan0 libubsan1 linux-libc-dev make manpages-dev  
0 upgraded, 32 newly installed, 0 to remove and 18 not upgraded.  
Need to get 34.4 MB of archives.  
After this operation, 157 MB of additional disk space will be used.  
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-common amd64 2.34-6ubuntu1.1 [207 kB]  
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libbinutils amd64 2.34-6ubuntu1.1 [475 kB]  
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf-nobfd0 amd64 2.34-6ubuntu1.1 [47.1 kB]  
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf0 amd64 2.34-6ubuntu1.1 [46.6 kB]  
Get:5 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-x86_64-linux-gnu amd64 2.34-6ubuntu1.1 [1,613 kB]  
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils amd64 2.34-6ubuntu1.1 [3,380 kB]  
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc-dev-bin amd64 2.31-9ubuntu9.2 [71.8 kB]  
Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 linux-libc-dev amd64 5.4.0-84.94 [1,115 kB]  
Get:9 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libcrypt-dev amd64 1:4.4.10-10ubuntu4 [104 kB]  
Get:10 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libgcc-dev amd64 2.31-9ubuntu9.2 [2,520 kB]  
Get:11 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libitm1 amd64 10.3.0-1ubuntu1-20.04 [26.2 kB]  
Get:12 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libatomic1 amd64 10.3.0-1ubuntu1-20.04 [9,284 kB]  
Get:13 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libasan5 amd64 9.3.0-17ubuntu1-20.04 [394 kB]  
Get:14 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 liblsan0 amd64 10.3.0-1ubuntu1-20.04 [835 kB]  
Get:15 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libtsan0 amd64 10.3.0-1ubuntu1-20.04 [2,009 kB]  
Get:16 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libubsan1 amd64 10.3.0-1ubuntu1-20.04 [784 kB]  
Get:17 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libquadmath0 amd64 10.3.0-1ubuntu1-20.04 [146 kB]  
Get:18 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libgcc-9-dev amd64 9.3.0-17ubuntu1-20.04 [2,360 kB]  
Get:19 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 gcc-9 amd64 9.3.0-17ubuntu1-20.04 [8,241 kB]  
Get:20 http://in.archive.ubuntu.com/ubuntu focal/main amd64 gcc amd64 4:9.3.0-1ubuntu2 [5,208 kB]  
Get:21 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libstdc++-9-dev amd64 9.3.0-17ubuntu1-20.04 [1,714 kB]  
Get:22 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 g++-9 amd64 9.3.0-17ubuntu1-20.04 [8,405 kB]  
Get:24 http://in.archive.ubuntu.com/ubuntu focal/main amd64 make amd64 4.2.1-1.2 [162 kB]  
Get:25 http://in.archive.ubuntu.com/ubuntu focal/main amd64 dpkg-dev all 1.19.7ubuntu3 [679 kB]  
Get:26 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 build-essential amd64 12.8ubuntu1.1 [4,664 B]  
Get:27 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libfakeroot amd64 1.24-1 [25.7 kB]  
Get:28 http://in.archive.ubuntu.com/ubuntu focal/main amd64 fakeroot amd64 1.24-1 [62.6 kB]  
Get:29 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-perl all 1.19.03-2 [46.6 kB]  
Get:30 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-xs-perl amd64 0.04-6 [11.3 kB]
```

Activities Terminal Sep 14 00:45 webonise@webonise: ~

```
Get:24 http://in.archive.ubuntu.com/ubuntu focal/main amd64 make amd64 4.2.1-1.2 [162 kB]
Get:25 http://in.archive.ubuntu.com/ubuntu focal/main amd64 dpkg-dev all 1.19.7ubuntu3 [679 kB]
Get:26 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 build-essential amd64 12.8ubuntu1.1 [4,664 B]
Get:27 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libfakeroot amd64 1.24-1 [25.7 kB]
Get:28 http://in.archive.ubuntu.com/ubuntu focal/main amd64 fakeroot amd64 1.24-1 [62.6 kB]
Get:29 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-perl all 1.19.03-2 [46.6 kB]
Get:30 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-xs-perl amd64 0.04-6 [11.3 kB]
Get:31 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-merge-perl all 0.08-3 [12.0 kB]
Get:32 http://in.archive.ubuntu.com/ubuntu focal/main amd64 manpages-dev all 5.05-1 [2,266 kB]
Fetched 34.4 MB in 2s (17.6 MB/s)
Extracting templates from packages: 100%
Selecting previously unselected package binutils-common:amd64.
(Reading database ... 187132 files and directories currently installed.)
Preparing to unpack .../00-binutils-common_2.34-6ubuntu1.1_amd64.deb ...
Unpacking binutils-common:amd64 (2.34-6ubuntu1.1) ...
Selecting previously unselected package libbinutils:amd64.
Preparing to unpack .../01-libbinutils_2.34-6ubuntu1.1_amd64.deb ...
Unpacking libbinutils:amd64 (2.34-6ubuntu1.1) ...
Selecting previously unselected package libctf-nobfd0:amd64.
Preparing to unpack .../02-libctf-nobfd0_2.34-6ubuntu1.1_amd64.deb ...
Unpacking libctf-nobfd0:amd64 (2.34-6ubuntu1.1) ...
Selecting previously unselected package libctf0:amd64.
Preparing to unpack .../03-libctf0_2.34-6ubuntu1.1_amd64.deb ...
Unpacking libctf0:amd64 (2.34-6ubuntu1.1) ...
Selecting previously unselected package binutils-x86-64-linux-gnu.
Preparing to unpack .../04-binutils-x86-64-linux-gnu_2.34-6ubuntu1.1_amd64.deb ...
...
Unpacking binutils-x86-64-linux-gnu (2.34-6ubuntu1.1) ...
Selecting previously unselected package binutils.
Preparing to unpack .../05-binutils_2.34-6ubuntu1.1_amd64.deb ...
Unpacking binutils (2.34-6ubuntu1.1) ...
Selecting previously unselected package libc-dev-bin.
Preparing to unpack .../06-libc-dev-bin_2.31-0ubuntu9.2_amd64.deb ...
Unpacking libc-dev-bin (2.31-0ubuntu9.2) ...
Selecting previously unselected package linux-libc-dev:amd64.
Preparing to unpack .../07-linux-libc-dev_5.4.0-84.94_amd64.deb ...
Unpacking linux-libc-dev:amd64 (5.4.0-84.94) ...
Selecting previously unselected package libcrypt-dev:amd64.
```

Activities Terminal Sep 14 00:45 webonise@webonise: ~

```
Selecting previously unselected package binutils.
Preparing to unpack .../05-binutils_2.34-6ubuntu1.1_amd64.deb ...
Unpacking binutils (2.34-6ubuntu1.1) ...
Selecting previously unselected package libc-dev-bin.
Preparing to unpack .../06-libc-dev-bin_2.31-0ubuntu9.2_amd64.deb ...
Unpacking libc-dev-bin (2.31-0ubuntu9.2) ...
Selecting previously unselected package linux-libc-dev:amd64.
Preparing to unpack .../07-linux-libc-dev_5.4.0-84.94_amd64.deb ...
Unpacking linux-libc-dev:amd64 (5.4.0-84.94) ...
Selecting previously unselected package libcrypt-dev:amd64.
Preparing to unpack .../08-libcrypt-dev_1x344.10-10ubuntu4_amd64.deb ...
Unpacking libcrypt-dev:amd64 (114.4.10-10ubuntu4) ...
Selecting previously unselected package libc6-dev:amd64.
Preparing to unpack .../09-libc6-dev_2.31-0ubuntu9.2_amd64.deb ...
Unpacking libc6-dev:amd64 (2.31-0ubuntu9.2) ...
Selecting previously unselected package libbitm1:amd64.
Preparing to unpack .../10-libbitm1_10.3.0-1ubuntu1-20.04_amd64.deb ...
Unpacking libbitm1:amd64 (10.3.0-1ubuntu1-20.04) ...
Selecting previously unselected package libatomic1:amd64.
Preparing to unpack .../11-libatomic1_10.3.0-1ubuntu1-20.04_amd64.deb ...
Unpacking libatomic1:amd64 (10.3.0-1ubuntu1-20.04) ...
Selecting previously unselected package libasan5:amd64.
Preparing to unpack .../12-libasan5_9.3.0-17ubuntu1-20.04_amd64.deb ...
Unpacking libasan5:amd64 (9.3.0-17ubuntu1-20.04) ...
Selecting previously unselected package liblsan0:amd64.
Preparing to unpack .../13-liblsan0_10.3.0-1ubuntu1-20.04_amd64.deb ...
Unpacking liblsan0:amd64 (10.3.0-1ubuntu1-20.04) ...
Selecting previously unselected package libtsan0:amd64.
Preparing to unpack .../14-libtsan0_10.3.0-1ubuntu1-20.04_amd64.deb ...
Unpacking libtsan0:amd64 (10.3.0-1ubuntu1-20.04) ...
Selecting previously unselected package libubsan1:amd64.
Preparing to unpack .../15-libubsan1_10.3.0-1ubuntu1-20.04_amd64.deb ...
Unpacking libubsan1:amd64 (10.3.0-1ubuntu1-20.04) ...
Selecting previously unselected package libquadmath0:amd64.
Preparing to unpack .../16-libquadmath0_10.3.0-1ubuntu1-20.04_amd64.deb ...
Unpacking libquadmath0:amd64 (10.3.0-1ubuntu1-20.04) ...
Selecting previously unselected package libgcc-9-dev:amd64.
Preparing to unpack .../17-libgcc-9-dev_9.3.0-17ubuntu1-20.04_amd64.deb ...
Unpacking libgcc-9-dev:amd64 (9.3.0-17ubuntu1-20.04)
```

Activities Terminal Sep 14 00:45 webonise@webonise: ~

```
Setting up build-essential (12.8ubuntu1.1) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
webonise@webonise:~$ gcc --version
gcc (Ubuntu 9.3.0-17ubuntu1-20.04) 9.3.0
Copyright (C) 2019 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

webonise@webonise:~$ make --version
GNU Make 4.2.1
Built for x86_64-pc-linux-gnu
Copyright (C) 1988-2016 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software; you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
webonise@webonise:~$ sudo apt install php php-pear php-dev libmcrypt-dev
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libfbprint-2-todl liblvm10
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils autoconf automake autopoint
  autotools-dev debhelper dh-autoreconf dh-strip-nondeterminism dwz gettext
  intltool-debian libapache2-mod-php7.4 libapr1 libaprutil1
  libaprutil1-dbd-sqlite3 libaprutil1-ldap libarchive-cpio-perl
  libarchive-zip-perl libcroco3 libdebservice-perl
  libfile-stripnondeterminism-perl libltdl-dev liblua5.2-0
  libmail-sendmail-perl libmcrypt4 libpcre2-16-0 libpcre2-dev libpcre2-posix2
  libsigsegv2 libssl-dev libsub-override-perl libsys-hostname-long-perl
  libtool m4 php-cli php-common php-xml php7.4-cli php7.4-common
  php7.4-dev php7.4-json php7.4-opcache php7.4-readline php7.4-xml
  pkg-php-tools po-debconf shtool
Suggested packages:
  apache2-dev apache2-suexec-pristine | apache2-suexec-custom
  autoconf-archive gnu-standards autoconf-doc dh-make gettext-doc
  libbz2-dev libfontconfig-dev libfreetype6-dev liblzma-dev libncurses5-dev
  libpcre2-dev libreadline-dev libsqlite3-dev libtinfo-dev libxml2-dev
```

Activities Terminal Sep 14 00:46 webonise@webonise: ~

```
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for install-info (6.7.0.dfsg.2-5) ...
Processing triggers for php7.4-cli (7.4.3-4ubuntu2.6) ...
Processing triggers for libapache2-mod-php7.4 (7.4.3-4ubuntu2.6) ...
webonise@webonise:~$ sudo pecl search mcrypt
WARNING: channel "pecl.php.net" has updated its protocols, use "pecl channel-update pecl.php.net" to update

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
Retrieving data...0%
Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
.
Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on line 550
PHP Notice: Trying to access array offset on value of type null in /usr/share/php/PEAR/Command/Remote.php on line 550
Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on line 551
PHP Notice: Trying to access array offset on value of type null in /usr/share/php/PEAR/Command/Remote.php on line 551
Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on line 550
PHP Notice: Trying to access array offset on value of type null in /usr/share/php/PEAR/Command/Remote.php on line 550
```

Activities Terminal Sep 14 00:46

```
mcrypt_filter 0.1.0 (beta) Applies Mcrypt symmetric encryption using stream filters
webonise@webonise:~$ sudo pecl install mcrypt
Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
WARNING: channel "pecl.php.net" has updated its protocols, use "pecl channel-update pecl.php.net" to update
downloading mcrypt-1.0.4.tgz ...
Starting to download mcrypt-1.0.4.tgz (27,056 bytes)
.....done: 27,056 bytes
6 source files, building
running: phpize
Configuring for:
PHP Api Version: 20190902
Zend Module Api No: 20190902
Zend Extension Api No: 320190902
libmcrypt prefix? [autodetect] :
building in /tmp/pear/temp/pear-build-rootaMPFiQ/mcrypt-1.0.4
running: /tmp/pear/temp/mcrypt/configure --with-php-config=/usr/bin/php-config --with-mcrypt
cZoom g for grep that handles long lines and -e... /usr/bin/grep
cneching for egrep... /usr/bin/grep -E
checkbox for a sed that does not truncate output... /usr/bin/sed
checkbox for pkg-config... /usr/bin/pkg-config
checkbox for pkg-config is at least version 0.9.0... yes
checkbox for cc... cc
checkbox for C compiler works... yes
checkbox for C compiler default output file name... a.out
checkbox for suffix of executables...
checkbox for whether we are cross compiling... no
checkbox for suffix of object files... o
checkbox for whether we are using the GNU C compiler... yes
checkbox for cc accepts -g... yes
checkbox for cc option to accept ISO C89... none needed
checkbox for how to run the C preprocessor... cc -E
checkbox for iccc... no
checkbox for suncc... no
checkbox for system library directory... lib
checkbox for compiler supports -R... no
checkbox for compiler supports -Wl,-rpath,... yes
checkbox build system type... x86_64-pc-linux-gnu
```

Activities Terminal Sep 14 00:46

```
configuration option "php_ini" is not set to php.ini location
You should add "extension=mcrypt.so" to php.ini
webonise@webonise:~$ sudo vim /etc/php/*/cli/php.ini
sudo: vim: command not found
webonise@webonise:~$ sudo apt install vim
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libfbprint-2-tod1 libl10n10
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  vim-runtime
Suggested packages:
  ctags vim-doc vim-scripts
The following NEW packages will be installed:
  vim vim-runtime
0 upgraded, 2 newly installed, 0 to remove and 18 not upgraded.
Need to get 7,111 kB of archives.
After this operation, 34.6 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu focal/main amd64 vim-runtime all 2:8.1.2269-1ubuntu5 [5,873 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal/main amd64 vim amd64 2:8.1.2269-1ubuntu5 [1,238 kB]
Fetched 7,111 kB in 0s (18.9 MB/s)
Selecting previously unselected package vim-runtime.
(Reading database ... 195528 files and directories currently installed.)
Preparing to unpack .../vim-runtime_2%3a8.1.2269-1ubuntu5_all.deb ...
Adding 'diversion of /usr/share/vim/vim81/doc/help.txt to /usr/share/vim/vim81/doc/help.txt.vim-tiny by vim-runtime'
Adding 'diversion of /usr/share/vim/vim81/doc/tags to /usr/share/vim/vim81/doc/tags.vim-tiny by vim-runtime'
Unpacking vim-runtime (2:8.1.2269-1ubuntu5) ...
Selecting previously unselected package vim.
Preparing to unpack .../vim_2%3a8.1.2269-1ubuntu5_amd64.deb ...
Unpacking vim (2:8.1.2269-1ubuntu5) ...
Setting up vim-runtime (2:8.1.2269-1ubuntu5) ...
Setting up vim (2:8.1.2269-1ubuntu5) ...
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vim (vim) in
auto mode
```

Activities Terminal Sep 14 00:46 webonise@webonise: ~

```
Processing triggers for man-db (2.9.1-1) ...
webonise@webonise:~$ sudo vim /etc/php/*/cli/php.ini
webonise@webonise:~$ php -m | grep mcrypt
webonise@webonise:~$ sudo vim /etc/php/*/cli/php.ini
webonise@webonise:~$ sudo vim /etc/php/*/apache2/php.ini
webonise@webonise:~$ php -m | grep mcrypt
mcrypt
webonise@webonise:~$ sudo systemctl restart apache2
Job for apache2.service failed because the control process exited with error code.
See "systemctl status apache2.service" and "journalctl -xe" for details.
webonise@webonise:~$ systemctl status apache2.service
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
     Active: failed (Result: exit-code) since Mon 2021-09-13 18:33:38 IST; 28s ago
       Docs: https://httpd.apache.org/docs/2.4/
     Process: 49862 ExecStart=/usr/sbin/apachectl start (code=exited, status=1/FAILURE)

Sep 13 18:33:38 webonise apachectl[49865]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.0.1
Sep 13 18:33:38 webonise apachectl[49865]: [98]Address already in use: AH00072: make_sock: could not bind to address [::]:80
Sep 13 18:33:38 webonise apachectl[49865]: [98]Address already in use: AH00072: make_sock: could not bind to address 0.0.0.0:80
Sep 13 18:33:38 webonise apachectl[49865]: no listening sockets available, shutting down
Sep 13 18:33:38 webonise apachectl[49865]: AH00015: Unable to open logs
Sep 13 18:33:38 webonise apachectl[49862]: Action 'start' failed.
Sep 13 18:33:38 webonise apachectl[49862]: The Apache error log may have more information.
Sep 13 18:33:38 webonise systemd[1]: apache2.service: Control process exited, code=exited, status=1/FAILURE
Sep 13 18:33:38 webonise systemd[1]: apache2.service: Failed with result 'exit-code'.
Sep 13 18:33:38 webonise systemd[1]: Failed to start The Apache HTTP Server.

webonise@webonise:~$ systemctl restart nginx
webonise@webonise:~$ systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
     Active: active (running) since Mon 2021-09-13 18:35:00 IST; 11s ago
       Docs: man:nginx(8)
     Process: 49926 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
    Process: 49927 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
      Main PID: 49928 (nginx)
        Tasks: 9 (limit: 18743)
       Memory: 7.4M
```

Activities Terminal Sep 14 00:47 webonise@webonise: ~

```
Sep 13 18:35:00 webonise systemd[1]: Starting A high performance web server and a reverse proxy server...
Sep 13 18:35:00 webonise systemd[1]: Started A high performance web server and a reverse proxy server.
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
Skipping adding existing rule
Skipping adding existing rule (v6)
webonise@webonise:~$ sudo ufw status
Status: inactive
webonise@webonise:~$ apt install -y php php-common php-mbstring php-gd php-intl php-xml php-mysql php-mcrypt php-fpm
E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?
webonise@webonise:~$ sudo ufw enable
Firewall is active and enabled on system startup
webonise@webonise:~$ sudo ufw default deny
Default incoming policy changed to 'deny'
(be sure to update your rules accordingly)
webonise@webonise:~$ sudo iptables -L
Chain INPUT (policy DROP)
target  prot opt source               destination
ufw-before-logging-input  all  --  anywhere             anywhere
ufw-before-input  all  --  anywhere             anywhere
ufw-after-input  all  --  anywhere             anywhere
ufw-after-logging-input all  --  anywhere             anywhere
ufw-reject-input all  --  anywhere             anywhere
ufw-track-input all  --  anywhere             anywhere

Chain FORWARD (policy DROP)
target  prot opt source               destination
ufw-before-logging-forward all  --  anywhere             anywhere
ufw-before-forward all  --  anywhere             anywhere
ufw-after-forward all  --  anywhere             anywhere
ufw-after-logging-forward all  --  anywhere             anywhere
ufw-reject-forward all  --  anywhere             anywhere
ufw-track-forward all  --  anywhere             anywhere

Chain OUTPUT (policy ACCEPT)
target  prot opt source               destination
ufw-before-logging-output all  --  anywhere             anywhere
ufw-before-output  all  --  anywhere             anywhere
```

Activities Terminal Sep 14 00:47 webonise@webonise:~

```
Chain ufw-user-output (1 references)
target  prot opt source          destination
webonise@webonise:~$ sudo ufw enable
Firewall is active and enabled on system startup
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
Skipping adding existing rule
Skipping adding existing rule (v6)
webonise@webonise:~$ sudo ufw status
Status: active

To           Action      From
--          ----      ---
Nginx HTTP    ALLOW      Anywhere
Nginx HTTP (v6) ALLOW      Anywhere (v6)

webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/\.*$//'
Device "eth0" does not exist.
webonise@webonise:~$ sudo apt install php-fpm php-mysql
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libfprint-2-tod1 liblvm10
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  php7.4-fpm php7.4-mysql
The following NEW packages will be installed:
  php-fpm php-mysql php7.4-fpm php7.4-mysql
0 upgraded, 4 newly installed, 0 to remove and 18 not upgraded.
Need to get 1,559 kB of archives.
After this operation, 5,361 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 php7.4-fpm amd64 7.4.3-4ubuntu2.6 [1,434 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 php-fpm all 2:7.4+75 [2,792 B]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-mysql amd64 7.4.3-4ubuntu2.6 [121 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php-mysql all 2:7.4+75 [2,000 B]
Fetched 1,559 KB in 0s (3,842 kB/s)
Selecting previously unselected package php7.4-fpm.
```

Activities Terminal Sep 14 00:47 webonise@webonise:~

```
Unpacking php-fpm (2:7.4+75) ...
Selecting previously unselected package php7.4-mysql.
Preparing to unpack .../php7.4-mysql_7.4.3-4ubuntu2.6_amd64.deb ...
Unpacking php7.4-mysql (7.4.3-4ubuntu2.6) ...
Selecting previously unselected package php-mysql.
Preparing to unpack .../php-mysql_2%3a7.4+75_all.deb ...
Unpacking php-mysql (2:7.4+75) ...
Setting up php7.4-mysql (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/mods-available/mysqlnd.ini with new version
Creating config file /etc/php/7.4/mods-available/mysql.ini with new version
Creating config file /etc/php/7.4/mods-available/pdo_mysql.ini with new version
Setting up php7.4-fpm (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/fpm/php.ini with new version
NOTICE: Not enabling PHP 7.4 FPM by default.
NOTICE: To enable PHP 7.4 FPM in Apache2 do:
NOTICE: a2enmod proxy_fcgi setenvif
NOTICE: a2enconf php7.4-fpm
NOTICE: You are seeing this message because you have apache2 package installed.
Created symlink /etc/systemd/system/multi-user.target.wants/php7.4-fpm.service → /lib/systemd/system/php7.4-fpm.service.
Setting up php-fpm (2:7.4+75) ...
Setting up php-mysql (2:7.4+75) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libapache2-mod-php7.4 (7.4.3-4ubuntu2.6) ...
Processing triggers for systemd (245.4-4ubuntu3.11) ...
Processing triggers for php7.4-cli (7.4.3-4ubuntu2.6) ...
Processing triggers for php7.4-fpm (7.4.3-4ubuntu2.6) ...
NOTICE: Not enabling PHP 7.4 FPM by default
NOTICE: To enable PHP 7.4 FPM in Apache2 do:
NOTICE: a2enmod proxy_fcgi setenvif
NOTICE: a2enconf php7.4-fpm
NOTICE: You are seeing this message because you have apache2 package installed.
webonise@webonise:~$ 
```

webonise@webonise:~\$ sudo apt update

[sudo] password for webonise:

```
Hit:1 http://dl.google.com/linux/chrome/deb stable InRelease
Hit:2 https://packagecloud.io/slacktechnologies/slack/debian jessie InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu focal InRelease
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1,207 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main i386 Packages [532 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [258 kB]
Hit:9 http://apt.postgresql.org/pub/repos/apt focal-pgdg InRelease
Get:10 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metadata [282 kB]
Get:11 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [14.2 kB]
Get:12 http://in.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [443 kB]
Get:13 http://in.archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [63.5 kB]
Get:14 http://in.archive.ubuntu.com/ubuntu focal-updates/universe i386 Packages [632 kB]
Get:15 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [857 kB]
Get:16 http://in.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [181 kB]
Get:17 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 DEP-11 Metadata [351 kB]
Get:18 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [18.8 kB]
Get:19 http://in.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 DEP-11 Metadata [944 B]
Get:20 http://in.archive.ubuntu.com/ubuntu focal-backports/universe amd64 DEP-11 Metadata [10.4 kB]
Get:21 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:22 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [27.6 kB]
Get:23 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [8,692 B]
Get:24 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [61.0 kB]
Get:25 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [12.4 kB]
Get:26 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [2,464 B]
Fetched 5,293 kB in 8s (696 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
18 packages can be upgraded. Run 'apt list --upgradable' to see them.
N: Skipping acquire of configured file 'main/binary-i386/Packages' as repository
'http://apt.postgresql.org/pub/repos/apt focal-pgdg InRelease' doesn't support architecture 'i386'
webonise@webonise:~$ sudo apt install nginx
Reading package lists... Done
Building dependency tree
```

Reading state information... Done

The following packages were automatically installed and are no longer required:

  libfprint-2-tod1 liblvm10

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter

  libnginx-mod-mail libnginx-mod-stream nginx-common nginx-core

Suggested packages:

  fcgiwrap nginx-doc

The following NEW packages will be installed:

  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter

  libnginx-mod-mail libnginx-mod-stream nginx nginx-common nginx-core

0 upgraded, 7 newly installed, 0 to remove and 18 not upgraded.

Need to get 603 kB of archives.

After this operation, 2,134 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-common all

  1.18.0-0ubuntu1.2 [37.5 kB]

Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64

  libnginx-mod-http-image-filter amd64 1.18.0-0ubuntu1.2 [14.4 kB]

Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-http-xslt-filter  
  amd64 1.18.0-0ubuntu1.2 [12.7 kB]

Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-mail amd64  
  1.18.0-0ubuntu1.2 [42.5 kB]

Get:5 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-stream  
  amd64 1.18.0-0ubuntu1.2 [67.3 kB]

Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-core amd64  
  1.18.0-0ubuntu1.2 [425 kB]

Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx all  
  1.18.0-0ubuntu1.2 [3,620 B]

Fetched 603 kB in 0s (5,333 kB/s)

Preconfiguring packages ...

Selecting previously unselected package nginx-common.

(Reading database ... 187054 files and directories currently installed.)

Preparing to unpack .../0-nginx-common\_1.18.0-0ubuntu1.2\_all.deb ...

Unpacking nginx-common (1.18.0-0ubuntu1.2) ...

Selecting previously unselected package libnginx-mod-http-image-filter.

Preparing to unpack .../1-libnginx-mod-http-image-filter\_1.18.0-0ubuntu1.2\_amd64  
.deb ...

Unpacking libnginx-mod-http-image-filter (1.18.0-0ubuntu1.2) ...

Selecting previously unselected package libnginx-mod-http-xslt-filter.

Preparing to unpack .../2-libnginx-mod-http-xslt-filter\_1.18.0-0ubuntu1.2\_amd64.  
deb ...

Unpacking libnginx-mod-http-xslt-filter (1.18.0-0ubuntu1.2) ...

```
Selecting previously unselected package libnginx-mod-mail.  
Preparing to unpack .../3-libnginx-mod-mail_1.18.0-0ubuntu1.2_amd64.deb ...  
Unpacking libnginx-mod-mail (1.18.0-0ubuntu1.2) ...  
Selecting previously unselected package libnginx-mod-stream.  
Preparing to unpack .../4-libnginx-mod-stream_1.18.0-0ubuntu1.2_amd64.deb ...  
Unpacking libnginx-mod-stream (1.18.0-0ubuntu1.2) ...  
Selecting previously unselected package nginx-core.  
Preparing to unpack .../5-nginx-core_1.18.0-0ubuntu1.2_amd64.deb ...  
Unpacking nginx-core (1.18.0-0ubuntu1.2) ...  
Selecting previously unselected package nginx.  
Preparing to unpack .../6-nginx_1.18.0-0ubuntu1.2_all.deb ...  
Unpacking nginx (1.18.0-0ubuntu1.2) ...  
Setting up nginx-common (1.18.0-0ubuntu1.2) ...  
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service → /lib  
/systemd/system/nginx.service.  
Setting up libnginx-mod-http-xslt-filter (1.18.0-0ubuntu1.2) ...  
Setting up libnginx-mod-mail (1.18.0-0ubuntu1.2) ...  
Setting up libnginx-mod-http-image-filter (1.18.0-0ubuntu1.2) ...  
Setting up libnginx-mod-stream (1.18.0-0ubuntu1.2) ...  
Setting up nginx-core (1.18.0-0ubuntu1.2) ...  
Setting up nginx (1.18.0-0ubuntu1.2) ...  
Processing triggers for systemd (245.4-4ubuntu3.11) ...  
Processing triggers for man-db (2.9.1-1) ...  
Processing triggers for ufw (0.36-6) ...
```

```
webonise@webonise:~$ sudo ufw app list
```

Available applications:

CUPS  
Nginx Full  
Nginx HTTP  
Nginx HTTPS

```
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
```

Rules updated

Rules updated (v6)

```
webonise@webonise:~$ sudo ufw status
```

Status: inactive

```
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
```

Skipping adding existing rule

Skipping adding existing rule (v6)

```
webonise@webonise:~$ sudo ufw status
```

Status: inactive

```
webonise@webonise:~$ systemctl start nginx
```

```
webonise@webonise:~$ systemctl enable nginx
```

Synchronizing state of nginx.service with SysV service script with  
/lib/systemd/systemd-sysv-install.

```
Executing: /lib/systemd/systemd-sysv-install enable nginx
```

```
webonise@webonise:~$ systemctl status nginx
```

- nginx.service - A high performance web server and a reverse proxy server
  - Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset:>
  - Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago
    - Docs: man:nginx(8)
  - Main PID: 26016 (nginx)
  - Tasks: 9 (limit: 18743)
  - Memory: 7.9M
  - CGroup: /system.slice/nginx.service
    - ─ 26016 nginx: master process /usr/sbin/nginx -g daemon on; master>
    - ─ 26017 nginx: worker process
    - ─ 26018 nginx: worker process
    - ─ 26019 nginx: worker process
    - ─ 26020 nginx: worker process
    - ─ 26021 nginx: worker process
    - ─ 26022 nginx: worker process
    - ─ 26023 nginx: worker process
    - ─ 26024 nginx: worker process

```
Sep 13 18:05:45 webonise systemd[1]: Starting A high performance web server and>
```

```
Sep 13 18:05:45 webonise systemd[1]: Started A high performance web server and >  
lines 1-20/20 (END)...skipping...
```

- nginx.service - A high performance web server and a reverse proxy server
  - Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
  - Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago
    - Docs: man:nginx(8)
  - Main PID: 26016 (nginx)
  - Tasks: 9 (limit: 18743)
  - Memory: 7.9M
  - CGroup: /system.slice/nginx.service
    - ─ 26016 nginx: master process /usr/sbin/nginx -g daemon on; master\_process on;
    - ─ 26017 nginx: worker process
    - ─ 26018 nginx: worker process
    - ─ 26019 nginx: worker process
    - ─ 26020 nginx: worker process
    - ─ 26021 nginx: worker process
    - ─ 26022 nginx: worker process
    - ─ 26023 nginx: worker process
    - ─ 26024 nginx: worker process

```
Sep 13 18:05:45 webonise systemd[1]: Starting A high performance web server and a reverse  
proxy server...
```

Sep 13 18:05:45 webonise systemd[1]: Started A high performance web server and a reverse proxy server.

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~

lines 1-20/20 (END)

- nginx.service - A high performance web server and a reverse proxy server

Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)  
Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago  
Docs: man:nginx(8)  
Main PID: 26016 (nginx)  
Tasks: 9 (limit: 18743)  
Memory: 7.9M  
CGroup: /system.slice/nginx.service

```
└─26016 nginx: master process /usr/sbin/nginx -g daemon on; master_process on;
   ├─26017 nginx: worker process
   ├─26018 nginx: worker process
   ├─26019 nginx: worker process
   ├─26020 nginx: worker process
   ├─26021 nginx: worker process
   ├─26022 nginx: worker process
   ├─26023 nginx: worker process
   └─26024 nginx: worker process
```

Sep 13 18:05:45 webonise systemd[1]: Starting A high performance web server and a reverse proxy server...

Sep 13 18:05:45 webonise systemd[1]: Started A high performance web server and a reverse proxy server.

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```
webonise@webonise:~$ CREATE DATABASE wordpress DEFAULT CHARACTER SET utf8  
COLLATE utf8_unicode_ci;  
CREATE: command not found
```

```
webonise@webonise:~$ apt install -y php php-common php-mbstring php-gd php-intl php-xml  
php-mysql php-mcrypt php-fpm
```

```
E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)  
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?
```

```
webonise@webonise:~$ sudo ufw status
```

```
Status: inactive
```

```
webonise@webonise:~$ sudo apt install -y php php-common php-mbstring php-gd php-intl  
php-xml php-mysql php-mcrypt php-fpm
```

```
Reading package lists... Done
```

```
Building dependency tree
```

```
Reading state information... Done
```

```
Package php-mcrypt is not available, but is referred to by another package.
```

```
This may mean that the package is missing, has been obsoleted, or  
is only available from another source
```

```
E: Package 'php-mcrypt' has no installation candidate
```

```
webonise@webonise:~$ sudo apt install -y build-essential
```

```
Reading package lists... Done
```

```
Building dependency tree
```

```
Reading state information... Done
```

```
The following packages were automatically installed and are no longer required:
```

```
  libfprint-2-tod1 libllvm10
```

```
Use 'sudo apt autoremove' to remove them.
```

```
The following additional packages will be installed:
```

```
  binutils binutils-common binutils-x86-64-linux-gnu dpkg-dev fakeroot g++  
  g++-9 gcc gcc-9 libalgorithm-diff-perl libalgorithm-diff-xs-perl  
  libalgorithm-merge-perl libasan5 libatomic1 libbinutils libc-dev-bin  
  libc6-dev libcrypt-dev libctf-nobfd0 libctf0 libfakeroot libgcc-9-dev
```

```
libitm1 liblsan0 libquadmath0 libstdc++-9-dev libtsan0 libubsan1  
linux-libc-dev make manpages-dev
```

Suggested packages:

```
binutils-doc debian-keyring g++-multilib g++-9-multilib gcc-9-doc  
gcc-multilib autoconf automake libtool flex bison gcc-doc gcc-9-multilib  
gcc-9-locales glibc-doc libstdc++-9-doc make-doc
```

The following NEW packages will be installed:

```
binutils binutils-common binutils-x86-64-linux-gnu build-essential dpkg-dev  
fakeroot g++ g++-9 gcc gcc-9 libalgorithm-diff-perl  
libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan5 libatomic1  
libbinutils libc-dev-bin libc6-dev libcrypt-dev libctf-nobfd0 libctf0  
libfakeroot libgcc-9-dev libitm1 liblsan0 libquadmath0 libstdc++-9-dev  
libtsan0 libubsan1 linux-libc-dev make manpages-dev
```

0 upgraded, 32 newly installed, 0 to remove and 18 not upgraded.

Need to get 34.4 MB of archives.

After this operation, 157 MB of additional disk space will be used.

```
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-common amd64  
2.34-6ubuntu1.1 [207 kB]  
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libbinutils amd64  
2.34-6ubuntu1.1 [475 kB]  
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf-nobfd0 amd64  
2.34-6ubuntu1.1 [47.1 kB]  
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf0 amd64  
2.34-6ubuntu1.1 [46.6 kB]  
Get:5 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-x86-64-linux-gnu  
amd64 2.34-6ubuntu1.1 [1,613 kB]  
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils amd64  
2.34-6ubuntu1.1 [3,380 B]  
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc-dev-bin amd64  
2.31-0ubuntu9.2 [71.8 kB]  
Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 linux-libc-dev amd64  
5.4.0-84.94 [1,115 kB]  
Get:9 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libcrypt-dev amd64  
1:4.4.10-10ubuntu4 [104 kB]  
Get:10 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc6-dev amd64  
2.31-0ubuntu9.2 [2,520 kB]  
Get:11 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libitm1 amd64  
10.3.0-1ubuntu1~20.04 [26.2 kB]  
Get:12 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libatomic1 amd64  
10.3.0-1ubuntu1~20.04 [9,284 B]  
Get:13 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libasan5 amd64  
9.3.0-17ubuntu1~20.04 [394 kB]  
Get:14 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 liblsan0 amd64  
10.3.0-1ubuntu1~20.04 [835 kB]
```

Get:15 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libtsan0 amd64  
10.3.0-1ubuntu1~20.04 [2,009 kB]  
Get:16 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libubsan1 amd64  
10.3.0-1ubuntu1~20.04 [784 kB]  
Get:17 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libquadmath0 amd64  
10.3.0-1ubuntu1~20.04 [146 kB]  
Get:18 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libgcc-9-dev amd64  
9.3.0-17ubuntu1~20.04 [2,360 kB]  
Get:19 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 gcc-9 amd64  
9.3.0-17ubuntu1~20.04 [8,241 kB]  
Get:20 http://in.archive.ubuntu.com/ubuntu focal/main amd64 gcc amd64 4:9.3.0-1ubuntu2  
[5,208 B]  
Get:21 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libstdc++-9-dev amd64  
9.3.0-17ubuntu1~20.04 [1,714 kB]  
Get:22 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 g++-9 amd64  
9.3.0-17ubuntu1~20.04 [8,405 kB]  
Get:23 http://in.archive.ubuntu.com/ubuntu focal/main amd64 g++ amd64 4:9.3.0-1ubuntu2  
[1,604 B]  
Get:24 http://in.archive.ubuntu.com/ubuntu focal/main amd64 make amd64 4.2.1-1.2 [162 kB]  
Get:25 http://in.archive.ubuntu.com/ubuntu focal/main amd64 dpkg-dev all 1.19.7ubuntu3 [679  
kB]  
Get:26 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 build-essential amd64  
12.8ubuntu1.1 [4,664 B]  
Get:27 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libfakeroot amd64 1.24-1 [25.7  
kB]  
Get:28 http://in.archive.ubuntu.com/ubuntu focal/main amd64 fakeroot amd64 1.24-1 [62.6 kB]  
Get:29 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-perl all 1.19.03-2  
[46.6 kB]  
Get:30 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-xs-perl amd64  
0.04-6 [11.3 kB]  
Get:31 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-merge-perl all 0.08-3  
[12.0 kB]  
Get:32 http://in.archive.ubuntu.com/ubuntu focal/main amd64 manpages-dev all 5.05-1 [2,266  
kB]  
Fetched 34.4 MB in 2s (17.6 MB/s)  
Extracting templates from packages: 100%  
Selecting previously unselected package binutils-common:amd64.  
(Reading database ... 187132 files and directories currently installed.)  
Preparing to unpack .../00-binutils-common\_2.34-6ubuntu1.1\_amd64.deb ...  
Unpacking binutils-common:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libbinutils:amd64.  
Preparing to unpack .../01-libbinutils\_2.34-6ubuntu1.1\_amd64.deb ...  
Unpacking libbinutils:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libctf-nobfd0:amd64.

```
Preparing to unpack .../02-libctf-nobfd0_2.34-6ubuntu1.1_amd64.deb ...
Unpacking libctf-nobfd0:amd64 (2.34-6ubuntu1.1) ...
Selecting previously unselected package libctf0:amd64.
Preparing to unpack .../03-libctf0_2.34-6ubuntu1.1_amd64.deb ...
Unpacking libctf0:amd64 (2.34-6ubuntu1.1) ...
Selecting previously unselected package binutils-x86-64-linux-gnu.
Preparing to unpack .../04-binutils-x86-64-linux-gnu_2.34-6ubuntu1.1_amd64.deb
...
Unpacking binutils-x86-64-linux-gnu (2.34-6ubuntu1.1) ...
Selecting previously unselected package binutils.
Preparing to unpack .../05-binutils_2.34-6ubuntu1.1_amd64.deb ...
Unpacking binutils (2.34-6ubuntu1.1) ...
Selecting previously unselected package libc-dev-bin.
Preparing to unpack .../06-libc-dev-bin_2.31-0ubuntu9.2_amd64.deb ...
Unpacking libc-dev-bin (2.31-0ubuntu9.2) ...
Selecting previously unselected package linux-libc-dev:amd64.
Preparing to unpack .../07-linux-libc-dev_5.4.0-84.94_amd64.deb ...
Unpacking linux-libc-dev:amd64 (5.4.0-84.94) ...
Selecting previously unselected package libcrypt-dev:amd64.
Preparing to unpack .../08-libcrypt-dev_1%3a4.4.10-10ubuntu4_amd64.deb ...
Unpacking libcrypt-dev:amd64 (1:4.4.10-10ubuntu4) ...
Selecting previously unselected package libc6-dev:amd64.
Preparing to unpack .../09-libc6-dev_2.31-0ubuntu9.2_amd64.deb ...
Unpacking libc6-dev:amd64 (2.31-0ubuntu9.2) ...
Selecting previously unselected package libitm1:amd64.
Preparing to unpack .../10-libitm1_10.3.0-1ubuntu1~20.04_amd64.deb ...
Unpacking libitm1:amd64 (10.3.0-1ubuntu1~20.04) ...
Selecting previously unselected package libatomic1:amd64.
Preparing to unpack .../11-libatomic1_10.3.0-1ubuntu1~20.04_amd64.deb ...
Unpacking libatomic1:amd64 (10.3.0-1ubuntu1~20.04) ...
Selecting previously unselected package libasan5:amd64.
Preparing to unpack .../12-libasan5_9.3.0-17ubuntu1~20.04_amd64.deb ...
Unpacking libasan5:amd64 (9.3.0-17ubuntu1~20.04) ...
Selecting previously unselected package liblsan0:amd64.
Preparing to unpack .../13-liblsan0_10.3.0-1ubuntu1~20.04_amd64.deb ...
Unpacking liblsan0:amd64 (10.3.0-1ubuntu1~20.04) ...
Selecting previously unselected package libtsan0:amd64.
Preparing to unpack .../14-libtsan0_10.3.0-1ubuntu1~20.04_amd64.deb ...
Unpacking libtsan0:amd64 (10.3.0-1ubuntu1~20.04) ...
Selecting previously unselected package libubsan1:amd64.
Preparing to unpack .../15-libubsan1_10.3.0-1ubuntu1~20.04_amd64.deb ...
Unpacking libubsan1:amd64 (10.3.0-1ubuntu1~20.04) ...
Selecting previously unselected package libquadmath0:amd64.
Preparing to unpack .../16-libquadmath0_10.3.0-1ubuntu1~20.04_amd64.deb ...
```

Unpacking libquadmath0:amd64 (10.3.0-1ubuntu1~20.04) ...  
Selecting previously unselected package libgcc-9-dev:amd64.  
Preparing to unpack .../17-libgcc-9-dev\_9.3.0-17ubuntu1~20.04\_amd64.deb ...  
Unpacking libgcc-9-dev:amd64 (9.3.0-17ubuntu1~20.04) ...  
Selecting previously unselected package gcc-9.  
Preparing to unpack .../18-gcc-9\_9.3.0-17ubuntu1~20.04\_amd64.deb ...  
Unpacking gcc-9 (9.3.0-17ubuntu1~20.04) ...  
Selecting previously unselected package gcc.  
Preparing to unpack .../19-gcc\_4%3a9.3.0-1ubuntu2\_amd64.deb ...  
Unpacking gcc (4:9.3.0-1ubuntu2) ...  
Selecting previously unselected package libstdc++-9-dev:amd64.  
Preparing to unpack .../20-libstdc++-9-dev\_9.3.0-17ubuntu1~20.04\_amd64.deb ...  
Unpacking libstdc++-9-dev:amd64 (9.3.0-17ubuntu1~20.04) ...  
Selecting previously unselected package g++-9.  
Preparing to unpack .../21-g++-9\_9.3.0-17ubuntu1~20.04\_amd64.deb ...  
Unpacking g++-9 (9.3.0-17ubuntu1~20.04) ...  
Selecting previously unselected package g++.  
Preparing to unpack .../22-g++\_4%3a9.3.0-1ubuntu2\_amd64.deb ...  
Unpacking g++ (4:9.3.0-1ubuntu2) ...  
Selecting previously unselected package make.  
Preparing to unpack .../23-make\_4.2.1-1.2\_amd64.deb ...  
Unpacking make (4.2.1-1.2) ...  
Selecting previously unselected package dpkg-dev.  
Preparing to unpack .../24-dpkg-dev\_1.19.7ubuntu3\_all.deb ...  
Unpacking dpkg-dev (1.19.7ubuntu3) ...  
Selecting previously unselected package build-essential.  
Preparing to unpack .../25-build-essential\_12.8ubuntu1.1\_amd64.deb ...  
Unpacking build-essential (12.8ubuntu1.1) ...  
Selecting previously unselected package libfakeroot:amd64.  
Preparing to unpack .../26-libfakeroot\_1.24-1\_amd64.deb ...  
Unpacking libfakeroot:amd64 (1.24-1) ...  
Selecting previously unselected package fakeroot.  
Preparing to unpack .../27-fakeroot\_1.24-1\_amd64.deb ...  
Unpacking fakeroot (1.24-1) ...  
Selecting previously unselected package libalgorithm-diff-perl.  
Preparing to unpack .../28-libalgorithm-diff-perl\_1.19.03-2\_all.deb ...  
Unpacking libalgorithm-diff-perl (1.19.03-2) ...  
Selecting previously unselected package libalgorithm-diff-xs-perl.  
Preparing to unpack .../29-libalgorithm-diff-xs-perl\_0.04-6\_amd64.deb ...  
Unpacking libalgorithm-diff-xs-perl (0.04-6) ...  
Selecting previously unselected package libalgorithm-merge-perl.  
Preparing to unpack .../30-libalgorithm-merge-perl\_0.08-3\_all.deb ...  
Unpacking libalgorithm-merge-perl (0.08-3) ...  
Selecting previously unselected package manpages-dev.

```
Preparing to unpack .../31-manpages-dev_5.05-1_all.deb ...
Unpacking manpages-dev (5.05-1) ...
Setting up manpages-dev (5.05-1) ...
Setting up libalgorithm-diff-perl (1.19.03-2) ...
Setting up binutils-common:amd64 (2.34-6ubuntu1.1) ...
Setting up linux-libc-dev:amd64 (5.4.0-84.94) ...
Setting up libctf-nobfd0:amd64 (2.34-6ubuntu1.1) ...
Setting up libfakeroot:amd64 (1.24-1) ...
Setting up fakeroot (1.24-1) ...
update-alternatives: using /usr/bin/fakeroot-sysv to provide /usr/bin/fakeroot
(fakeroot) in auto mode
Setting up libasan5:amd64 (9.3.0-17ubuntu1~20.04) ...
Setting up make (4.2.1-1.2) ...
Setting up libquadmath0:amd64 (10.3.0-1ubuntu1~20.04) ...
Setting up libatomic1:amd64 (10.3.0-1ubuntu1~20.04) ...
Setting up libubsan1:amd64 (10.3.0-1ubuntu1~20.04) ...
Setting up libcrypt-dev:amd64 (1:4.4.10-10ubuntu4) ...
Setting up libbinutils:amd64 (2.34-6ubuntu1.1) ...
Setting up libc-dev-bin (2.31-0ubuntu9.2) ...
Setting up libalgorithm-diff-xs-perl (0.04-6) ...
Setting up liblsan0:amd64 (10.3.0-1ubuntu1~20.04) ...
Setting up libitm1:amd64 (10.3.0-1ubuntu1~20.04) ...
Setting up libalgorithm-merge-perl (0.08-3) ...
Setting up libtsan0:amd64 (10.3.0-1ubuntu1~20.04) ...
Setting up libctf0:amd64 (2.34-6ubuntu1.1) ...
Setting up libgcc-9-dev:amd64 (9.3.0-17ubuntu1~20.04) ...
Setting up libc6-dev:amd64 (2.31-0ubuntu9.2) ...
Setting up binutils-x86-64-linux-gnu (2.34-6ubuntu1.1) ...
Setting up libstdc++-9-dev:amd64 (9.3.0-17ubuntu1~20.04) ...
Setting up binutils (2.34-6ubuntu1.1) ...
Setting up dpkg-dev (1.19.7ubuntu3) ...
Setting up gcc-9 (9.3.0-17ubuntu1~20.04) ...
Setting up gcc (4:9.3.0-1ubuntu2) ...
Setting up g++-9 (9.3.0-17ubuntu1~20.04) ...
Setting up g++ (4:9.3.0-1ubuntu2) ...
update-alternatives: using /usr/bin/g++ to provide /usr/bin/c++ (c++) in auto mode
Setting up build-essential (12.8ubuntu1.1) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
webonise@webonise:~$ gcc --version
gcc (Ubuntu 9.3.0-17ubuntu1~20.04) 9.3.0
Copyright (C) 2019 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
```

warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

```
webonise@webonise:~$ make --version
```

```
GNU Make 4.2.1
```

Built for x86\_64-pc-linux-gnu

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```
webonise@webonise:~$ sudo apt install php php-pear php-dev libmcrypt-dev
```

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following packages were automatically installed and are no longer required:

libfprint-2-tod1 liblvm10

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

apache2 apache2-bin apache2-data apache2-utils autoconf automake autopoint

autotools-dev debhelper dh-autoreconf dh-strip-nondeterminism dwz gettext

intltool-debian libapache2-mod-php7.4 libapr1 libaprutil1

libaprutil1-dbd-sqlite3 libaprutil1-ldap libarchive-cpio-perl

libarchive-zip-perl libcroco3 libdebhelper-perl

libfile-stripnondeterminism-perl libltdl-dev liblua5.2-0

libmail-sendmail-perl libmcrypt4 libpcre2-16-0 libpcre2-dev libpcre2-posix2

libsigsegv2 libssl-dev libsub-override-perl libsys-hostname-long-perl

libtool m4 php-cli php-common php-xml php7.4 php7.4-cli php7.4-common

php7.4-dev php7.4-json php7.4-opcache php7.4-readline php7.4-xml

pkg-php-tools po-debconf shtool

Suggested packages:

apache2-doc apache2-suexec-pristine | apache2-suexec-custom

autoconf-archive gnu-standards autoconf-doc dh-make gettext-doc

libasprintf-dev libgettextpo-dev libtool-doc mcrypt libssl-doc gfortran

| fortran95-compiler gcj-jdk m4-doc dh-php libmail-box-perl

The following NEW packages will be installed:

apache2 apache2-bin apache2-data apache2-utils autoconf automake autopoint

autotools-dev debhelper dh-autoreconf dh-strip-nondeterminism dwz gettext

intltool-debian libapache2-mod-php7.4 libapr1 libaprutil1

libaprutil1-dbd-sqlite3 libaprutil1-ldap libarchive-cpio-perl

libarchive-zip-perl libcroco3 libdebhelper-perl

libfile-stripnondeterminism-perl libltdl-dev liblua5.2-0

libmail-sendmail-perl libmcrypt-dev libmcrypt4 libpcre2-16-0 libpcre2-dev

libpcre2-posix2 libsigsegv2 libssl-dev libsub-override-perl

libsys-hostname-long-perl libtool m4 php php-cli php-common php-dev

php-pear php-xml php7.4 php7.4-cli php7.4-common php7.4-dev php7.4-json

php7.4-opcache php7.4-readline php7.4-xml pkg-php-tools po-debconf shtool  
0 upgraded, 55 newly installed, 0 to remove and 18 not upgraded.  
Need to get 13.8 MB of archives.  
After this operation, 60.7 MB of additional disk space will be used.  
Do you want to continue? [Y/n] y  
Get:1 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libapr1 amd64 1.6.5-1ubuntu1  
[91.4 kB]  
Get:2 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libaprutil1 amd64 1.6.1-4ubuntu2  
[84.7 kB]  
Get:3 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libaprutil1-dbd-sqlite3 amd64  
1.6.1-4ubuntu2 [10.5 kB]  
Get:4 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libaprutil1-ldap amd64  
1.6.1-4ubuntu2 [8,736 B]  
Get:5 http://in.archive.ubuntu.com/ubuntu focal/main amd64 liblua5.2-0 amd64 5.2.4-1.1build3  
[106 kB]  
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-bin amd64  
2.4.41-4ubuntu3.4 [1,180 kB]  
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-data all  
2.4.41-4ubuntu3.4 [159 kB]  
Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2-utils amd64  
2.4.41-4ubuntu3.4 [84.0 kB]  
Get:9 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 apache2 amd64  
2.4.41-4ubuntu3.4 [95.5 kB]  
Get:10 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libsigsegv2 amd64 2.12-2 [13.9  
kB]  
Get:11 http://in.archive.ubuntu.com/ubuntu focal/main amd64 m4 amd64 1.4.18-4 [199 kB]  
Get:12 http://in.archive.ubuntu.com/ubuntu focal/main amd64 autoconf all 2.69-11.1 [321 kB]  
Get:13 http://in.archive.ubuntu.com/ubuntu focal/main amd64 autotools-dev all 20180224.1  
[39.6 kB]  
Get:14 http://in.archive.ubuntu.com/ubuntu focal/main amd64 automake all 1:1.16.1-4ubuntu6  
[522 kB]  
Get:15 http://in.archive.ubuntu.com/ubuntu focal/main amd64 autopoint all 0.19.8.1-10build1  
[412 kB]  
Get:16 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libtool all 2.4.6-14 [161 kB]  
Get:17 http://in.archive.ubuntu.com/ubuntu focal/main amd64 dh-autoreconf all 19 [16.1 kB]  
Get:18 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libdebservice-perl all 12.10ubuntu1  
[62.1 kB]  
Get:19 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libarchive-zip-perl all 1.67-2 [90.5  
kB]  
Get:20 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libsub-override-perl all 0.09-2  
[9,532 B]  
Get:21 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libfile-stripnondeterminism-perl all  
1.7.0-1 [15.9 kB]

Get:22 http://in.archive.ubuntu.com/ubuntu focal/main amd64 dh-strip-nondeterminism all  
1.7.0-1 [5,228 B]  
Get:23 http://in.archive.ubuntu.com/ubuntu focal/main amd64 dwz amd64 0.13-5 [151 kB]  
Get:24 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libcroco3 amd64 0.6.13-1 [82.5  
kB]  
Get:25 http://in.archive.ubuntu.com/ubuntu focal/main amd64 gettext amd64 0.19.8.1-10build1  
[895 kB]  
Get:26 http://in.archive.ubuntu.com/ubuntu focal/main amd64 intltool-debian all  
0.35.0+20060710.5 [24.9 kB]  
Get:27 http://in.archive.ubuntu.com/ubuntu focal/main amd64 po-debconf all 1.0.21 [233 kB]  
Get:28 http://in.archive.ubuntu.com/ubuntu focal/main amd64 debhelper all 12.10ubuntu1 [877  
kB]  
Get:29 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php-common all 2:7.5 [11.9 kB]  
Get:30 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-common amd64  
7.4.3-4ubuntu2.6 [980 kB]  
Get:31 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-json amd64  
7.4.3-4ubuntu2.6 [19.2 kB]  
Get:32 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-opcache amd64  
7.4.3-4ubuntu2.6 [198 kB]  
Get:33 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-readline amd64  
7.4.3-4ubuntu2.6 [12.6 kB]  
Get:34 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-cli amd64  
7.4.3-4ubuntu2.6 [1,420 kB]  
Get:35 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libapache2-mod-php7.4  
amd64 7.4.3-4ubuntu2.6 [1,364 kB]  
Get:36 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libarchive-cpio-perl all 0.10-1  
[9,644 B]  
Get:37 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libltdl-dev amd64 2.4.6-14 [162  
kB]  
Get:38 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libsys-hostname-long-perl all  
1.5-1 [11.7 kB]  
Get:39 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libmail-sendmail-perl all 0.80-1  
[22.6 kB]  
Get:40 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 libmcrypt4 amd64 2.5.8-3.4  
[64.6 kB]  
Get:41 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 libmcrypt-dev amd64 2.5.8-3.4  
[84.8 kB]  
Get:42 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libpcre2-16-0 amd64 10.34-7 [181  
kB]  
Get:43 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libpcre2-posix2 amd64 10.34-7  
[5,992 B]  
Get:44 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libpcre2-dev amd64 10.34-7 [670  
kB]

Get:45 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libssl-dev amd64  
1.1.1f-1ubuntu2.8 [1,584 kB]  
Get:46 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4 all  
7.4.3-4ubuntu2.6 [9,236 B]  
Get:47 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php all 2:7.4+75 [2,712 B]  
Get:48 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php-cli all 2:7.4+75 [2,792 B]  
Get:49 http://in.archive.ubuntu.com/ubuntu focal/main amd64 shtool all 2.0.8-10 [122 kB]  
Get:50 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-dev amd64  
7.4.3-4ubuntu2.6 [538 kB]  
Get:51 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php-dev all 2:7.4+75 [2,744 B]  
Get:52 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-xml amd64  
7.4.3-4ubuntu2.6 [97.2 kB]  
Get:53 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php-xml all 2:7.4+75 [2,028 B]  
Get:54 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php-pear all  
1:1.10.9+submodules+notgz-1ubuntu0.20.04.3 [287 kB]  
Get:55 http://in.archive.ubuntu.com/ubuntu focal/main amd64 pkg-php-tools all 1.38 [28.3 kB]  
Fetched 13.8 MB in 1s (27.1 MB/s)  
Extracting templates from packages: 100%  
Selecting previously unselected package libapr1:amd64.  
(Reading database ... 192534 files and directories currently installed.)  
Preparing to unpack .../00-libapr1\_1.6.5-1ubuntu1\_amd64.deb ...  
Unpacking libapr1:amd64 (1.6.5-1ubuntu1) ...  
Selecting previously unselected package libaprutil1:amd64.  
Preparing to unpack .../01-libaprutil1\_1.6.1-4ubuntu2\_amd64.deb ...  
Unpacking libaprutil1:amd64 (1.6.1-4ubuntu2) ...  
Selecting previously unselected package libaprutil1-dbd-sqlite3:amd64.  
Preparing to unpack .../02-libaprutil1-dbd-sqlite3\_1.6.1-4ubuntu2\_amd64.deb ...  
Unpacking libaprutil1-dbd-sqlite3:amd64 (1.6.1-4ubuntu2) ...  
Selecting previously unselected package libaprutil1-ldap:amd64.  
Preparing to unpack .../03-libaprutil1-ldap\_1.6.1-4ubuntu2\_amd64.deb ...  
Unpacking libaprutil1-ldap:amd64 (1.6.1-4ubuntu2) ...  
Selecting previously unselected package liblua5.2-0:amd64.  
Preparing to unpack .../04-liblua5.2-0\_5.2.4-1.1build3\_amd64.deb ...  
Unpacking liblua5.2-0:amd64 (5.2.4-1.1build3) ...  
Selecting previously unselected package apache2-bin.  
Preparing to unpack .../05-apache2-bin\_2.4.41-4ubuntu3.4\_amd64.deb ...  
Unpacking apache2-bin (2.4.41-4ubuntu3.4) ...  
Selecting previously unselected package apache2-data.  
Preparing to unpack .../06-apache2-data\_2.4.41-4ubuntu3.4\_all.deb ...  
Unpacking apache2-data (2.4.41-4ubuntu3.4) ...  
Selecting previously unselected package apache2-utils.  
Preparing to unpack .../07-apache2-utils\_2.4.41-4ubuntu3.4\_amd64.deb ...  
Unpacking apache2-utils (2.4.41-4ubuntu3.4) ...  
Selecting previously unselected package apache2.

```
Preparing to unpack .../08-apache2_2.4.41-4ubuntu3.4_amd64.deb ...
Unpacking apache2 (2.4.41-4ubuntu3.4) ...
Selecting previously unselected package libsigsegv2:amd64.
Preparing to unpack .../09-libsigsegv2_2.12-2_amd64.deb ...
Unpacking libsigsegv2:amd64 (2.12-2) ...
Selecting previously unselected package m4.
Preparing to unpack .../10-m4_1.4.18-4_amd64.deb ...
Unpacking m4 (1.4.18-4) ...
Selecting previously unselected package autoconf.
Preparing to unpack .../11-autoconf_2.69-11.1_all.deb ...
Unpacking autoconf (2.69-11.1) ...
Selecting previously unselected package autotools-dev.
Preparing to unpack .../12-autotools-dev_20180224.1_all.deb ...
Unpacking autotools-dev (20180224.1) ...
Selecting previously unselected package automake.
Preparing to unpack .../13-automake_1%3a1.16.1-4ubuntu6_all.deb ...
Unpacking automake (1:1.16.1-4ubuntu6) ...
Selecting previously unselected package autopoint.
Preparing to unpack .../14-autopoint_0.19.8.1-10build1_all.deb ...
Unpacking autopoint (0.19.8.1-10build1) ...
Selecting previously unselected package libtool.
Preparing to unpack .../15-libtool_2.4.6-14_all.deb ...
Unpacking libtool (2.4.6-14) ...
Selecting previously unselected package dh-autoreconf.
Preparing to unpack .../16-dh-autoreconf_19_all.deb ...
Unpacking dh-autoreconf (19) ...
Selecting previously unselected package libdebservice-perl.
Preparing to unpack .../17-libdebservice-perl_12.10ubuntu1_all.deb ...
Unpacking libdebservice-perl (12.10ubuntu1) ...
Selecting previously unselected package libarchive-zip-perl.
Preparing to unpack .../18-libarchive-zip-perl_1.67-2_all.deb ...
Unpacking libarchive-zip-perl (1.67-2) ...
Selecting previously unselected package libsub-override-perl.
Preparing to unpack .../19-libsub-override-perl_0.09-2_all.deb ...
Unpacking libsub-override-perl (0.09-2) ...
Selecting previously unselected package libfile-stripnondeterminism-perl.
Preparing to unpack .../20-libfile-stripnondeterminism-perl_1.7.0-1_all.deb ...
Unpacking libfile-stripnondeterminism-perl (1.7.0-1) ...
Selecting previously unselected package dh-strip-nondeterminism.
Preparing to unpack .../21-dh-strip-nondeterminism_1.7.0-1_all.deb ...
Unpacking dh-strip-nondeterminism (1.7.0-1) ...
Selecting previously unselected package dwz.
Preparing to unpack .../22-dwz_0.13-5_amd64.deb ...
Unpacking dwz (0.13-5) ...
```

Selecting previously unselected package libcroco3:amd64.  
Preparing to unpack .../23-libcroco3\_0.6.13-1\_amd64.deb ...  
Unpacking libcroco3:amd64 (0.6.13-1) ...  
Selecting previously unselected package gettext.  
Preparing to unpack .../24-gettext\_0.19.8.1-10build1\_amd64.deb ...  
Unpacking gettext (0.19.8.1-10build1) ...  
Selecting previously unselected package intltool-debian.  
Preparing to unpack .../25-intltool-debian\_0.35.0+20060710.5\_all.deb ...  
Unpacking intltool-debian (0.35.0+20060710.5) ...  
Selecting previously unselected package po-debconf.  
Preparing to unpack .../26-po-debconf\_1.0.21\_all.deb ...  
Unpacking po-debconf (1.0.21) ...  
Selecting previously unselected package debhelper.  
Preparing to unpack .../27-debhelper\_12.10ubuntu1\_all.deb ...  
Unpacking debhelper (12.10ubuntu1) ...  
Selecting previously unselected package php-common.  
Preparing to unpack .../28-php-common\_2%3a75\_all.deb ...  
Unpacking php-common (2:75) ...  
Selecting previously unselected package php7.4-common.  
Preparing to unpack .../29-php7.4-common\_7.4.3-4ubuntu2.6\_amd64.deb ...  
Unpacking php7.4-common (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package php7.4-json.  
Preparing to unpack .../30-php7.4-json\_7.4.3-4ubuntu2.6\_amd64.deb ...  
Unpacking php7.4-json (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package php7.4-opcache.  
Preparing to unpack .../31-php7.4-opcache\_7.4.3-4ubuntu2.6\_amd64.deb ...  
Unpacking php7.4-opcache (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package php7.4-readline.  
Preparing to unpack .../32-php7.4-readline\_7.4.3-4ubuntu2.6\_amd64.deb ...  
Unpacking php7.4-readline (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package php7.4-cli.  
Preparing to unpack .../33-php7.4-cli\_7.4.3-4ubuntu2.6\_amd64.deb ...  
Unpacking php7.4-cli (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package libapache2-mod-php7.4.  
Preparing to unpack .../34-libapache2-mod-php7.4\_7.4.3-4ubuntu2.6\_amd64.deb ...  
Unpacking libapache2-mod-php7.4 (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package libarchive-cpio-perl.  
Preparing to unpack .../35-libarchive-cpio-perl\_0.10-1\_all.deb ...  
Unpacking libarchive-cpio-perl (0.10-1) ...  
Selecting previously unselected package libltdl-dev:amd64.  
Preparing to unpack .../36-libltdl-dev\_2.4.6-14\_amd64.deb ...  
Unpacking libltdl-dev:amd64 (2.4.6-14) ...  
Selecting previously unselected package libsys-hostname-long-perl.  
Preparing to unpack .../37-libsys-hostname-long-perl\_1.5-1\_all.deb ...

Unpacking libsys-hostname-long-perl (1.5-1) ...  
Selecting previously unselected package libmail-sendmail-perl.  
Preparing to unpack .../38-libmail-sendmail-perl\_0.80-1\_all.deb ...  
Unpacking libmail-sendmail-perl (0.80-1) ...  
Selecting previously unselected package libmcrypt4.  
Preparing to unpack .../39-libmcrypt4\_2.5.8-3.4\_amd64.deb ...  
Unpacking libmcrypt4 (2.5.8-3.4) ...  
Selecting previously unselected package libmcrypt-dev.  
Preparing to unpack .../40-libmcrypt-dev\_2.5.8-3.4\_amd64.deb ...  
Unpacking libmcrypt-dev (2.5.8-3.4) ...  
Selecting previously unselected package libpcre2-16-0:amd64.  
Preparing to unpack .../41-libpcre2-16-0\_10.34-7\_amd64.deb ...  
Unpacking libpcre2-16-0:amd64 (10.34-7) ...  
Selecting previously unselected package libpcre2-posix2:amd64.  
Preparing to unpack .../42-libpcre2-posix2\_10.34-7\_amd64.deb ...  
Unpacking libpcre2-posix2:amd64 (10.34-7) ...  
Selecting previously unselected package libpcre2-dev:amd64.  
Preparing to unpack .../43-libpcre2-dev\_10.34-7\_amd64.deb ...  
Unpacking libpcre2-dev:amd64 (10.34-7) ...  
Selecting previously unselected package libssl-dev:amd64.  
Preparing to unpack .../44-libssl-dev\_1.1.1f-1ubuntu2.8\_amd64.deb ...  
Unpacking libssl-dev:amd64 (1.1.1f-1ubuntu2.8) ...  
Selecting previously unselected package php7.4.  
Preparing to unpack .../45-php7.4\_7.4.3-4ubuntu2.6\_all.deb ...  
Unpacking php7.4 (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package php.  
Preparing to unpack .../46-php\_2%3a7.4+75\_all.deb ...  
Unpacking php (2:7.4+75) ...  
Selecting previously unselected package php-cli.  
Preparing to unpack .../47-php-cli\_2%3a7.4+75\_all.deb ...  
Unpacking php-cli (2:7.4+75) ...  
Selecting previously unselected package shtool.  
Preparing to unpack .../48-shtool\_2.0.8-10\_all.deb ...  
Unpacking shtool (2.0.8-10) ...  
Selecting previously unselected package php7.4-dev.  
Preparing to unpack .../49-php7.4-dev\_7.4.3-4ubuntu2.6\_amd64.deb ...  
Unpacking php7.4-dev (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package php-dev.  
Preparing to unpack .../50-php-dev\_2%3a7.4+75\_all.deb ...  
Unpacking php-dev (2:7.4+75) ...  
Selecting previously unselected package php7.4-xml.  
Preparing to unpack .../51-php7.4-xml\_7.4.3-4ubuntu2.6\_amd64.deb ...  
Unpacking php7.4-xml (7.4.3-4ubuntu2.6) ...  
Selecting previously unselected package php-xml.

```
Preparing to unpack .../52-php-xml_2%3a7.4+75_all.deb ...
Unpacking php-xml (2:7.4+75) ...
Selecting previously unselected package php-pear.
Preparing to unpack .../53-php-pear_1%3a1.10.9+submodules+notgz-1ubuntu0.20.04.
3_all.deb ...
Unpacking php-pear (1:1.10.9+submodules+notgz-1ubuntu0.20.04.3) ...
Selecting previously unselected package pkg-php-tools.
Preparing to unpack .../54-pkg-php-tools_1.38_all.deb ...
Unpacking pkg-php-tools (1.38) ...
Setting up shtool (2.0.8-10) ...
Setting up php-common (2:75) ...
Created symlink /etc/systemd/system/timers.target.wants/phpsessionclean.timer →
/lib/systemd/system/phpsessionclean.timer.
Setting up php7.4-common (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/mods-available/calendar.ini with new version

Creating config file /etc/php/7.4/mods-available/ctype.ini with new version

Creating config file /etc/php/7.4/mods-available/exif.ini with new version

Creating config file /etc/php/7.4/mods-available/fileinfo.ini with new version

Creating config file /etc/php/7.4/mods-available/ffi.ini with new version

Creating config file /etc/php/7.4/mods-available/ftp.ini with new version

Creating config file /etc/php/7.4/mods-available/gettext.ini with new version

Creating config file /etc/php/7.4/mods-available/iconv.ini with new version

Creating config file /etc/php/7.4/mods-available/pdo.ini with new version

Creating config file /etc/php/7.4/mods-available/phar.ini with new version

Creating config file /etc/php/7.4/mods-available/posix.ini with new version

Creating config file /etc/php/7.4/mods-available/shmop.ini with new version

Creating config file /etc/php/7.4/mods-available/sockets.ini with new version

Creating config file /etc/php/7.4/mods-available/sysvmsg.ini with new version

Creating config file /etc/php/7.4/mods-available/sysvsem.ini with new version
```

Creating config file /etc/php/7.4/mods-available/sysvshm.ini with new version

Creating config file /etc/php/7.4/mods-available/tokenizer.ini with new version

Setting up libarchive-zip-perl (1.67-2) ...

Setting up libdebschema-perl (12.10ubuntu1) ...

Setting up libapr1:amd64 (1.6.5-1ubuntu1) ...

Setting up php7.4-readline (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/mods-available/readline.ini with new version

Setting up libpcre2-16-0:amd64 (10.34-7) ...

Setting up autotools-dev (20180224.1) ...

Setting up libsigsegv2:amd64 (2.12-2) ...

Setting up libssl-dev:amd64 (1.1.1f-1ubuntu2.8) ...

Setting up autopoint (0.19.8.1-10build1) ...

Setting up libcroco3:amd64 (0.6.13-1) ...

Setting up libpcre2-posix2:amd64 (10.34-7) ...

Setting up dwz (0.13-5) ...

Setting up liblua5.2-0:amd64 (5.2.4-1.1build3) ...

Setting up libarchive-cpio-perl (0.10-1) ...

Setting up libsub-override-perl (0.09-2) ...

Setting up php7.4-opcache (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/mods-available/opcache.ini with new version

Setting up apache2-data (2.4.41-4ubuntu3.4) ...

Setting up libmcrypt4 (2.5.8-3.4) ...

Setting up libsys-hostname-long-perl (1.5-1) ...

Setting up libaprutil1:amd64 (1.6.1-4ubuntu2) ...

Setting up libfile-stripnondeterminism-perl (1.7.0-1) ...

Setting up gettext (0.19.8.1-10build1) ...

Setting up php7.4-json (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/mods-available/json.ini with new version

Setting up php7.4-xml (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/mods-available/dom.ini with new version

Creating config file /etc/php/7.4/mods-available/simplexml.ini with new version

Creating config file /etc/php/7.4/mods-available/xml.ini with new version

Creating config file /etc/php/7.4/mods-available/xmlreader.ini with new version

Creating config file /etc/php/7.4/mods-available/xmlwriter.ini with new version

```
Creating config file /etc/php/7.4/mods-available/xsl.ini with new version
Setting up libpcre2-dev:amd64 (10.34-7) ...
Setting up libtool (2.4.6-14) ...
Setting up m4 (1.4.18-4) ...
Setting up php7.4-cli (7.4.3-4ubuntu2.6) ...
update-alternatives: using /usr/bin/php7.4 to provide /usr/bin/php (php) in auto mode
update-alternatives: using /usr/bin/phar7.4 to provide /usr/bin/phar (phar) in auto mode
update-alternatives: using /usr/bin/phar.phar7.4 to provide /usr/bin/phar.phar (phar.phar) in auto mode
```

```
Creating config file /etc/php/7.4/cli/php.ini with new version
Setting up libaprutil1-ldap:amd64 (1.6.1-4ubuntu2) ...
Setting up libaprutil1-dbd-sqlite3:amd64 (1.6.1-4ubuntu2) ...
Setting up intltool-debian (0.35.0+20060710.5) ...
Setting up libmail-sendmail-perl (0.80-1) ...
Setting up libmcrypt-dev (2.5.8-3.4) ...
Setting up autoconf (2.69-11.1) ...
Setting up dh-strip-nondeterminism (1.7.0-1) ...
Setting up php-cli (2:7.4+75) ...
Setting up apache2-utils (2.4.41-4ubuntu3.4) ...
Setting up automake (1:1.16.1-4ubuntu6) ...
update-alternatives: using /usr/bin/automake-1.16 to provide /usr/bin/automake (automake) in auto mode
Setting up php-xml (2:7.4+75) ...
Setting up php-pear (1:1.10.9+submodules+notgz-1ubuntu0.20.04.3) ...
Setting up po-debconf (1.0.21) ...
Setting up apache2-bin (2.4.41-4ubuntu3.4) ...
Setting up libltdl-dev:amd64 (2.4.6-14) ...
Setting up php7.4-dev (7.4.3-4ubuntu2.6) ...
update-alternatives: using /usr/bin/php-config7.4 to provide /usr/bin/php-config (php-config) in auto mode
update-alternatives: using /usr/bin/phpize7.4 to provide /usr/bin/phpize (phpize) in auto mode
Setting up libapache2-mod-php7.4 (7.4.3-4ubuntu2.6) ...
Package apache2 is not configured yet. Will defer actions by package libapache2-mod-php7.4.
```

```
Creating config file /etc/php/7.4/apache2/php.ini with new version
No module matches
Setting up apache2 (2.4.41-4ubuntu3.4) ...
Enabling module mpm_event.
```

Enabling module authz\_core.  
Enabling module authz\_host.  
Enabling module authn\_core.  
Enabling module auth\_basic.  
Enabling module access\_compat.  
Enabling module authn\_file.  
Enabling module authz\_user.  
Enabling module alias.  
Enabling module dir.  
Enabling module autoindex.  
Enabling module env.  
Enabling module mime.  
Enabling module negotiation.  
Enabling module setenvif.  
Enabling module filter.  
Enabling module deflate.  
Enabling module status.  
Enabling module reqtimeout.  
Enabling conf charset.  
Enabling conf localized-error-pages.  
Enabling conf other-vhosts-access-log.  
Enabling conf security.  
Enabling conf serve-cgi-bin.  
Enabling site 000-default.  
info: Switch to mpm prefork for package libapache2-mod-php7.4  
Module mpm\_event disabled.  
Enabling module mpm\_prefork.  
info: Executing deferred 'a2enmod php7.4' for package libapache2-mod-php7.4  
Enabling module php7.4.  
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.  
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.  
Job for apache2.service failed because the control process exited with error code.  
See "systemctl status apache2.service" and "journalctl -xe" for details.  
invoke-rc.d: initscript apache2, action "start" failed.

- apache2.service - The Apache HTTP Server

  Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)  
  Active: failed (Result: exit-code) since Mon 2021-09-13 18:16:56 IST; 7ms ago  
    Docs: <https://httpd.apache.org/docs/2.4/>  
    Process: 42170 ExecStart=/usr/sbin/apachectl start (code=exited, status=1/F)

AILURE)

```
Sep 13 18:16:56 webonise apachectl[42173]: AH00558: apache2: Could not reliably
determine the server's fully qualified domain name, using 127.0.1.1. Set the '
ServerName' directive globally to suppress this message
Sep 13 18:16:56 webonise apachectl[42173]: (98)Address already in use: AH00072:
make_sock: could not bind to address [::]:80
Sep 13 18:16:56 webonise apachectl[42173]: (98)Address already in use: AH00072:
make_sock: could not bind to address 0.0.0.0:80
Sep 13 18:16:56 webonise apachectl[42173]: no listening sockets available, shut
ting down
Sep 13 18:16:56 webonise apachectl[42173]: AH00015: Unable to open logs
Sep 13 18:16:56 webonise apachectl[42170]: Action 'start' failed.
Sep 13 18:16:56 webonise apachectl[42170]: The Apache error log may have more i
nformation.
Sep 13 18:16:56 webonise systemd[1]: apache2.service: Control process exited, c
ode=exited, status=1/FAILURE
Sep 13 18:16:56 webonise systemd[1]: apache2.service: Failed with result 'exit-
code'.
Sep 13 18:16:56 webonise systemd[1]: Failed to start The Apache HTTP Server.
Setting up php-dev (2:7.4+75) ...
Setting up php7.4 (7.4.3-4ubuntu2.6) ...
Setting up php (2:7.4+75) ...
Setting up dh-autoreconf (19) ...
Setting up debhelper (12.10ubuntu1) ...
Setting up pkg-php-tools (1.38) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
Processing triggers for ufw (0.36-6) ...
Rules updated for profile 'Nginx HTTP'

Processing triggers for systemd (245.4-4ubuntu3.11) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for install-info (6.7.0.dfsg.2-5) ...
Processing triggers for php7.4-cli (7.4.3-4ubuntu2.6) ...
Processing triggers for libapache2-mod-php7.4 (7.4.3-4ubuntu2.6) ...
webonise@webonise:~$ sudo pecl search mcrypt
WARNING: channel "pecl.php.net" has updated its protocols, use "pecl channel-update
pecl.php.net" to update

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in
/usr/share/php/PEAR/REST.php on line 187
Retrieving data...0%
```

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187  
PHP Notice: Trying to access array offset on value of type bool in  
/usr/share/php/PEAR/REST.php on line 187

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187  
PHP Notice: Trying to access array offset on value of type bool in  
/usr/share/php/PEAR/REST.php on line 187

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187  
PHP Notice: Trying to access array offset on value of type bool in  
/usr/share/php/PEAR/REST.php on line 187

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Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187  
PHP Notice: Trying to access array offset on value of type bool in  
/usr/share/php/PEAR/REST.php on line 187

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187  
PHP Notice: Trying to access array offset on value of type bool in  
/usr/share/php/PEAR/REST.php on line 187

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187  
PHP Notice: Trying to access array offset on value of type bool in  
/usr/share/php/PEAR/REST.php on line 187

Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on  
line 550

PHP Notice: Trying to access array offset on value of type null in  
/usr/share/php/PEAR/Command/Remote.php on line 550

Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on  
line 551

PHP Notice: Trying to access array offset on value of type null in  
/usr/share/php/PEAR/Command/Remote.php on line 551

Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on  
line 550

PHP Notice: Trying to access array offset on value of type null in  
/usr/share/php/PEAR/Command/Remote.php on line 550

Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on  
line 551

PHP Notice: Trying to access array offset on value of type null in  
/usr/share/php/PEAR/Command/Remote.php on line 551

Matched packages, channel pecl.php.net:

```
=====
Package      Stable/(Latest) Local
mcrypt      1.0.4 (stable)      Bindings for the libmcrypt library
mcrypt_filter 0.1.0 (beta)      Applies mcrypt symmetric encryption using stream filters
webonise@webonise:~$ sudo pecl install mcrypt

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in
/usr/share/php/PEAR/REST.php on line 187
WARNING: channel "pecl.php.net" has updated its protocols, use "pecl channel-update
pecl.php.net" to update
downloading mcrypt-1.0.4.tgz ...
Starting to download mcrypt-1.0.4.tgz (27,056 bytes)
.....done: 27,056 bytes
6 source files, building
running: phpize
Configuring for:
PHP Api Version:      20190902
Zend Module Api No:   20190902
Zend Extension Api No: 320190902
libmcrypt prefix? [autodetect] :
building in /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4
running: /tmp/pear/temp/mcrypt/configure --with-php-config=/usr/bin/php-config --with-mcrypt
checking for grep that handles long lines and -e... /usr/bin/grep
checking for egrep... /usr/bin/grep -E
checking for a sed that does not truncate output... /usr/bin/sed
checking for pkg-config... /usr/bin/pkg-config
checking pkg-config is at least version 0.9.0... yes
checking for cc... cc
checking whether the C compiler works... yes
checking for C compiler default output file name... a.out
checking for suffix of executables...
checking whether we are cross compiling... no
checking for suffix of object files... o
checking whether we are using the GNU C compiler... yes
checking whether cc accepts -g... yes
checking for cc option to accept ISO C89... none needed
checking how to run the C preprocessor... cc -E
checking for icc... no
checking for suncc... no
checking for system library directory... lib
checking if compiler supports -R... no
checking if compiler supports -WI,-rpath,... yes
checking build system type... x86_64-pc-linux-gnu
```

```
checking host system type... x86_64-pc-linux-gnu
checking target system type... x86_64-pc-linux-gnu
checking for PHP prefix... /usr
checking for PHP includes... -I/usr/include/php/20190902 -I/usr/include/php/20190902/main
-I/usr/include/php/20190902/TSRM -I/usr/include/php/20190902 Zend
-I/usr/include/php/20190902/ext -I/usr/include/php/20190902/ext/date/lib
checking for PHP extension directory... /usr/lib/php/20190902
checking for PHP installed headers prefix... /usr/include/php/20190902
checking if debug is enabled... no
checking if zts is enabled... no
checking for gawk... no
checking for nawk... nawk
checking if nawk is broken... no
checking for mcrypt support... yes, shared
checking for libmcrypt version... >= 2.5.6
checking for mcrypt_module_open in -lmcrypt... yes
checking for a sed that does not truncate output... /usr/bin/sed
checking for ld used by cc... /usr/bin/ld
checking if the linker (/usr/bin/ld) is GNU ld... yes
checking for /usr/bin/ld option to reload object files... -r
checking for BSD-compatible nm... /usr/bin/nm -B
checking whether ln -s works... yes
checking how to recognize dependent libraries... pass_all
checking for ANSI C header files... yes
checking for sys/types.h... yes
checking for sys/stat.h... yes
checking for stdlib.h... yes
checking for string.h... yes
checking for memory.h... yes
checking for strings.h... yes
checking for inttypes.h... yes
checking for stdint.h... yes
checking for unistd.h... yes
checking dlfcn.h usability... yes
checking dlfcn.h presence... yes
checking for dlfcn.h... yes
checking the maximum length of command line arguments... 1572864
checking command to parse /usr/bin/nm -B output from cc object... ok
checking for objdir... .libs
checking for ar... ar
checking for ranlib... ranlib
checking for strip... strip
checking if cc supports -fno-rtti -fno-exceptions... no
checking for cc option to produce PIC... -fPIC
```

```
checking if cc PIC flag -fPIC works... yes
checking if cc static flag -static works... yes
checking if cc supports -c -o file.o... yes
checking whether the cc linker (/usr/bin/ld -m elf_x86_64) supports shared libraries... yes
checking whether -lc should be explicitly linked in... no
checking dynamic linker characteristics... GNU/Linux ld.so
checking how to hardcode library paths into programs... immediate
checking whether stripping libraries is possible... yes
checking if libtool supports shared libraries... yes
checking whether to build shared libraries... yes
checking whether to build static libraries... no
```

```
creating libtool
appending configuration tag "CXX" to libtool
configure: patching config.h.in
configure: creating ./config.status
config.status: creating config.h
running: make
/bin/bash /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/libtool --mode=compile cc
-DZEND_ENABLE_STATIC_TSRLMS_CACHE=1 -I. -I/tmp/pear/temp/mcrypt
-DPHP_ATOM_INC -I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/include
-I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/main -I/tmp/pear/temp/mcrypt
-I/usr/include/php/20190902 -I/usr/include/php/20190902/main
-I/usr/include/php/20190902/TSRM -I/usr/include/php/20190902 Zend
-I/usr/include/php/20190902/ext -I/usr/include/php/20190902/ext/date/lib -DHAVE_CONFIG_H
-g -O2 -c /tmp/pear/temp/mcrypt/mcrypt.c -o mcrypt.lo
mkdir .libs
cc -DZEND_ENABLE_STATIC_TSRLMS_CACHE=1 -I. -I/tmp/pear/temp/mcrypt
-DPHP_ATOM_INC -I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/include
-I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/main -I/tmp/pear/temp/mcrypt
-I/usr/include/php/20190902 -I/usr/include/php/20190902/main
-I/usr/include/php/20190902/TSRM -I/usr/include/php/20190902 Zend
-I/usr/include/php/20190902/ext -I/usr/include/php/20190902/ext/date/lib -DHAVE_CONFIG_H
-g -O2 -c /tmp/pear/temp/mcrypt/mcrypt.c -fPIC -DPIC -o .libs/mcrypt.o
/bin/bash /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/libtool --mode=compile cc
-DZEND_ENABLE_STATIC_TSRLMS_CACHE=1 -I. -I/tmp/pear/temp/mcrypt
-DPHP_ATOM_INC -I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/include
-I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/main -I/tmp/pear/temp/mcrypt
-I/usr/include/php/20190902 -I/usr/include/php/20190902/main
-I/usr/include/php/20190902/TSRM -I/usr/include/php/20190902 Zend
-I/usr/include/php/20190902/ext -I/usr/include/php/20190902/ext/date/lib -DHAVE_CONFIG_H
-g -O2 -c /tmp/pear/temp/mcrypt/mcrypt_filter.c -o mcrypt_filter.lo
cc -DZEND_ENABLE_STATIC_TSRLMS_CACHE=1 -I. -I/tmp/pear/temp/mcrypt
-DPHP_ATOM_INC -I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/include
```

```
-I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/main -I/tmp/pear/temp/mcrypt
-I/usr/include/php/20190902 -I/usr/include/php/20190902/main
-I/usr/include/php/20190902/TSRM -I/usr/include/php/20190902 Zend
-I/usr/include/php/20190902/ext -I/usr/include/php/20190902/ext/date/lib -DHAVE_CONFIG_H
-g -O2 -c /tmp/pear/temp/mcrypt/mcrypt_filter.c -fPIC -DPIC -o .libs/mcrypt_filter.o
/bin/bash /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/libtool --mode=link cc
-DPHP_ATOM_INC -I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/include
-I/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/main -I/tmp/pear/temp/mcrypt
-I/usr/include/php/20190902 -I/usr/include/php/20190902/main
-I/usr/include/php/20190902/TSRM -I/usr/include/php/20190902 Zend
-I/usr/include/php/20190902/ext -I/usr/include/php/20190902/ext/date/lib -DHAVE_CONFIG_H
-g -O2 -o mcrypt.la -export-dynamic -avoid-version -prefer-pic -module -rpath
/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/modules mcrypt.lo mcrypt_filter.lo -lmcrypt
-lldl
cc -shared .libs/mcrypt.o .libs/mcrypt_filter.o /usr/lib/libmcrypt.so
/usr/lib/x86_64-linux-gnu/libldl.so -Wl,-soname -Wl,mcrypt.so -o .libs/mcrypt.so
creating mcrypt.la
(cd .libs && rm -f mcrypt.la && ln -s ..mcrypt.la mcrypt.la)
/bin/bash /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/libtool --mode=install cp
./mcrypt.la /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/modules
cp ./libs/mcrypt.so /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/modules/mcrypt.so
cp ./libs/mcrypt.lai /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/modules/mcrypt.la
PATH="$PATH:/sbin" ldconfig -n /tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/modules
```

---

Libraries have been installed in:

/tmp/pear/temp/pear-build-rootaHPFiQ/mcrypt-1.0.4/modules

If you ever happen to want to link against installed libraries  
in a given directory, LIBDIR, you must either use libtool, and  
specify the full pathname of the library, or use the `'-LLIBDIR'  
flag during linking and do at least one of the following:

- add LIBDIR to the 'LD\_LIBRARY\_PATH' environment variable  
during execution
- add LIBDIR to the 'LD\_RUN\_PATH' environment variable  
during linking
- use the '-Wl,--rpath -Wl,LIBDIR' linker flag
- have your system administrator add LIBDIR to `/etc/ld.so.conf`

See any operating system documentation about shared libraries for  
more information, such as the ld(1) and ld.so(8) manual pages.

---

Build complete.

Don't forget to run 'make test'.

```
running: make INSTALL_ROOT="/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4"
install
Installing shared extensions:
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4/usr/lib/php/20190902/
running: find "/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4" | xargs ls -dils
9176492 4 drwxr-xr-x 3 root root 4096 Sep 13 18:17
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4
9176515 4 drwxr-xr-x 3 root root 4096 Sep 13 18:17
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4/usr
9176516 4 drwxr-xr-x 3 root root 4096 Sep 13 18:17
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4/usr/lib
9176517 4 drwxr-xr-x 3 root root 4096 Sep 13 18:17
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4/usr/lib/php
9176518 4 drwxr-xr-x 2 root root 4096 Sep 13 18:17
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4/usr/lib/php/20190902
9176513 216 -rwxr-xr-x 1 root root 219288 Sep 13 18:17
/tmp/pear/temp/pear-build-rootaHPFiQ/install-mcrypt-1.0.4/usr/lib/php/20190902/mcrypt.so
```

Build process completed successfully

Installing '/usr/lib/php/20190902/mcrypt.so'

install ok: channel://pecl.php.net/mcrypt-1.0.4

configuration option "php\_ini" is not set to php.ini location

You should add "extension=mcrypt.so" to php.ini

```
webonise@webonise:~$ sudo vim /etc/php/*/cli/php.ini
```

sudo: vim: command not found

```
webonise@webonise:~$ sudo apt install vim
```

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following packages were automatically installed and are no longer required:

  libfprint-2-tod1 libllvm10

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

  vim-runtime

Suggested packages:

  ctags vim-doc vim-scripts

The following NEW packages will be installed:

  vim vim-runtime

0 upgraded, 2 newly installed, 0 to remove and 18 not upgraded.

Need to get 7,111 kB of archives.

After this operation, 34.6 MB of additional disk space will be used.

Do you want to continue? [Y/n] y

```
Get:1 http://in.archive.ubuntu.com/ubuntu focal/main amd64 vim-runtime all  
2:8.1.2269-1ubuntu5 [5,873 kB]  
Get:2 http://in.archive.ubuntu.com/ubuntu focal/main amd64 vim amd64 2:8.1.2269-1ubuntu5  
[1,238 kB]  
Fetched 7,111 kB in 0s (18.9 MB/s)  
Selecting previously unselected package vim-runtime.  
(Reading database ... 195528 files and directories currently installed.)  
Preparing to unpack .../vim-runtime_2%3a8.1.2269-1ubuntu5_all.deb ...  
Adding 'diversion of /usr/share/vim/vim81/doc/help.txt to /usr/share/vim/vim81/  
doc/help.txt.vim-tiny by vim-runtime'  
Adding 'diversion of /usr/share/vim/vim81/doc/tags to /usr/share/vim/vim81/doc/  
tags.vim-tiny by vim-runtime'  
Unpacking vim-runtime (2:8.1.2269-1ubuntu5) ...  
Selecting previously unselected package vim.  
Preparing to unpack .../vim_2%3a8.1.2269-1ubuntu5_amd64.deb ...  
Unpacking vim (2:8.1.2269-1ubuntu5) ...  
Setting up vim-runtime (2:8.1.2269-1ubuntu5) ...  
Setting up vim (2:8.1.2269-1ubuntu5) ...  
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vim (vim) in  
auto mode  
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vimdiff (vimd  
iff) in auto mode  
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rvim (rvim) i  
n auto mode  
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/rview (rview)  
in auto mode  
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vi (vi) in au  
to mode  
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/view (view) i  
n auto mode  
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/ex (ex) in au  
to mode  
Processing triggers for man-db (2.9.1-1) ...  
webonise@webonise:~$ sudo vim /etc/php/*cli/php.ini  
webonise@webonise:~$ php -m | grep mcrypt  
webonise@webonise:~$ sudo vim /etc/php/*cli/php.ini  
webonise@webonise:~$ sudo vim /etc/php/*apache2/php.ini  
webonise@webonise:~$ php -m | grep mcrypt  
mcrypt  
webonise@webonise:~$ sudo systemctl restart apache2  
Job for apache2.service failed because the control process exited with error code.  
See "systemctl status apache2.service" and "journalctl -xe" for details.  
webonise@webonise:~$ systemctl status apache2.service  
● apache2.service - The Apache HTTP Server
```

```
Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
Active: failed (Result: exit-code) since Mon 2021-09-13 18:33:38 IST; 28s ago
  Docs: https://httpd.apache.org/docs/2.4/
Process: 49862 ExecStart=/usr/sbin/apachectl start (code=exited, status=1/FAILURE)

Sep 13 18:33:38 webonise apachectl[49865]: AH00558: apache2: Could not reliably determine
the server's fully qualified domain name, using 127>
Sep 13 18:33:38 webonise apachectl[49865]: (98)Address already in use: AH00072:
make_sock: could not bind to address [::]:80
Sep 13 18:33:38 webonise apachectl[49865]: (98)Address already in use: AH00072:
make_sock: could not bind to address 0.0.0.0:80
Sep 13 18:33:38 webonise apachectl[49865]: no listening sockets available, shutting down
Sep 13 18:33:38 webonise apachectl[49865]: AH00015: Unable to open logs
Sep 13 18:33:38 webonise apachectl[49862]: Action 'start' failed.
Sep 13 18:33:38 webonise apachectl[49862]: The Apache error log may have more information.
Sep 13 18:33:38 webonise systemd[1]: apache2.service: Control process exited, code=exited,
status=1/FAILURE
Sep 13 18:33:38 webonise systemd[1]: apache2.service: Failed with result 'exit-code'.
Sep 13 18:33:38 webonise systemd[1]: Failed to start The Apache HTTP Server.
```

```
webonise@webonise:~$ systemctl restart nginx
webonise@webonise:~$ systemctl status nginx
```

- nginx.service - A high performance web server and a reverse proxy server  
Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)  
Active: active (running) since Mon 2021-09-13 18:35:00 IST; 11s ago  
 Docs: man:nginx(8)  
Process: 49926 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master\_process on;
(code=exited, status=0/SUCCESS)  
Process: 49927 ExecStart=/usr/sbin/nginx -g daemon on; master\_process on; (code=exited,
status=0/SUCCESS)  
Main PID: 49928 (nginx)  
 Tasks: 9 (limit: 18743)  
 Memory: 7.4M  
 CGroup: /system.slice/nginx.service  
 └─49928 nginx: master process /usr/sbin/nginx -g daemon on; master\_process on;  
 ├─49929 nginx: worker process  
 ├─49930 nginx: worker process  
 ├─49931 nginx: worker process  
 ├─49932 nginx: worker process  
 ├─49933 nginx: worker process  
 ├─49934 nginx: worker process  
 ├─49935 nginx: worker process  
 └─49936 nginx: worker process

```
Sep 13 18:35:00 webonise systemd[1]: Starting A high performance web server and a reverse proxy server...
```

```
Sep 13 18:35:00 webonise systemd[1]: Started A high performance web server and a reverse proxy server.
```

```
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
```

```
Skipping adding existing rule
```

```
Skipping adding existing rule (v6)
```

```
webonise@webonise:~$ sudo ufw status
```

```
Status: inactive
```

```
webonise@webonise:~$ apt install -y php php-common php-mbstring php-gd php-intl php-xml  
php-mysql php-mcrypt php-fpm
```

```
E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)
```

```
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?
```

```
webonise@webonise:~$ sudo ufw enable
```

```
Firewall is active and enabled on system startup
```

```
webonise@webonise:~$ sudo ufw default deny
```

```
Default incoming policy changed to 'deny'
```

```
(be sure to update your rules accordingly)
```

```
webonise@webonise:~$ sudo iptables -L
```

```
Chain INPUT (policy DROP)
```

```
target  prot opt source          destination  
ufw-before-logging-input all -- anywhere      anywhere  
ufw-before-input all -- anywhere      anywhere  
ufw-after-input all -- anywhere      anywhere  
ufw-after-logging-input all -- anywhere      anywhere  
ufw-reject-input all -- anywhere      anywhere  
ufw-track-input all -- anywhere      anywhere
```

```
Chain FORWARD (policy DROP)
```

```
target  prot opt source          destination  
ufw-before-logging-forward all -- anywhere      anywhere  
ufw-before-forward all -- anywhere      anywhere  
ufw-after-forward all -- anywhere      anywhere  
ufw-after-logging-forward all -- anywhere      anywhere  
ufw-reject-forward all -- anywhere      anywhere  
ufw-track-forward all -- anywhere      anywhere
```

```
Chain OUTPUT (policy ACCEPT)
```

```
target  prot opt source          destination  
ufw-before-logging-output all -- anywhere      anywhere  
ufw-before-output all -- anywhere      anywhere  
ufw-after-output all -- anywhere      anywhere  
ufw-after-logging-output all -- anywhere      anywhere  
ufw-reject-output all -- anywhere      anywhere
```

```
ufw-track-output all -- anywhere      anywhere

Chain ufw-after-forward (1 references)
target  prot opt source          destination

Chain ufw-after-input (1 references)
target  prot opt source          destination
ufw-skip-to-policy-input udp  -- anywhere      anywhere      udp dpt:netbios-ns
ufw-skip-to-policy-input udp  -- anywhere      anywhere      udp dpt:netbios-dgm
ufw-skip-to-policy-input tcp  -- anywhere      anywhere      tcp dpt:netbios-ssn
ufw-skip-to-policy-input tcp  -- anywhere      anywhere      tcp dpt:microsoft-ds
ufw-skip-to-policy-input udp  -- anywhere      anywhere      udp dpt:bootps
ufw-skip-to-policy-input udp  -- anywhere      anywhere      udp dpt:bootpc
ufw-skip-to-policy-input all  -- anywhere      anywhere      ADDRTYPE match dst-type
BROADCAST

Chain ufw-after-logging-forward (1 references)
target  prot opt source          destination
LOG    all  -- anywhere      anywhere      limit: avg 3/min burst 10 LOG level warning
prefix "[UFW BLOCK]"

Chain ufw-after-logging-input (1 references)
target  prot opt source          destination
LOG    all  -- anywhere      anywhere      limit: avg 3/min burst 10 LOG level warning
prefix "[UFW BLOCK]"

Chain ufw-after-logging-output (1 references)
target  prot opt source          destination

Chain ufw-after-output (1 references)
target  prot opt source          destination

Chain ufw-before-forward (1 references)
target  prot opt source          destination
ACCEPT  all  -- anywhere      anywhere      ctstate RELATED,ESTABLISHED
ACCEPT  icmp -- anywhere      anywhere      icmp destination-unreachable
ACCEPT  icmp -- anywhere      anywhere      icmp time-exceeded
ACCEPT  icmp -- anywhere      anywhere      icmp parameter-problem
ACCEPT  icmp -- anywhere      anywhere      icmp echo-request
ufw-user-forward all  -- anywhere      anywhere

Chain ufw-before-input (1 references)
target  prot opt source          destination
ACCEPT  all  -- anywhere      anywhere
```

```
ACCEPT  all -- anywhere      anywhere      ctstate RELATED,ESTABLISHED
ufw-logging-deny all -- anywhere      anywhere      ctstate INVALID
DROP    all -- anywhere      anywhere      ctstate INVALID
ACCEPT  icmp -- anywhere     anywhere      icmp destination-unreachable
ACCEPT  icmp -- anywhere     anywhere      icmp time-exceeded
ACCEPT  icmp -- anywhere     anywhere      icmp parameter-problem
ACCEPT  icmp -- anywhere     anywhere      icmp echo-request
ACCEPT  udp  -- anywhere     anywhere      udp spt:bootps dpt:bootpc
ufw-not-local all -- anywhere      anywhere
ACCEPT  udp  -- anywhere     224.0.0.251     udp dpt:mdns
ACCEPT  udp  -- anywhere     239.255.255.250   udp dpt:1900
ufw-user-input all -- anywhere      anywhere
```

Chain ufw-before-logging-forward (1 references)  
target prot opt source destination

Chain ufw-before-logging-input (1 references)  
target prot opt source destination

Chain ufw-before-logging-output (1 references)  
target prot opt source destination

Chain ufw-before-output (1 references)  
target prot opt source destination
ACCEPT all -- anywhere anywhere ctstate RELATED,ESTABLISHED
ACCEPT all -- anywhere anywhere
ufw-user-output all -- anywhere anywhere

Chain ufw-logging-allow (0 references)  
target prot opt source destination
LOG all -- anywhere anywhere limit: avg 3/min burst 10 LOG level warning
prefix "[UFW ALLOW] "

Chain ufw-logging-deny (2 references)  
target prot opt source destination
RETURN all -- anywhere anywhere ctstate INVALID limit: avg 3/min burst 10
LOG all -- anywhere anywhere limit: avg 3/min burst 10 LOG level warning
prefix "[UFW BLOCK] "

Chain ufw-not-local (1 references)  
target prot opt source destination
RETURN all -- anywhere anywhere ADDRTYPE match dst-type LOCAL
RETURN all -- anywhere anywhere ADDRTYPE match dst-type MULTICAST

```
RETURN  all -- anywhere      anywhere      ADDRTYPE match dst-type
BROADCAST
ufw-logging-deny all -- anywhere      anywhere      limit: avg 3/min burst 10
DROP    all -- anywhere      anywhere

Chain ufw-reject-forward (1 references)
target  prot opt source      destination

Chain ufw-reject-input (1 references)
target  prot opt source      destination

Chain ufw-reject-output (1 references)
target  prot opt source      destination

Chain ufw-skip-to-policy-forward (0 references)
target  prot opt source      destination
DROP    all -- anywhere      anywhere

Chain ufw-skip-to-policy-input (7 references)
target  prot opt source      destination
DROP    all -- anywhere      anywhere

Chain ufw-skip-to-policy-output (0 references)
target  prot opt source      destination
ACCEPT  all -- anywhere      anywhere

Chain ufw-track-forward (1 references)
target  prot opt source      destination

Chain ufw-track-input (1 references)
target  prot opt source      destination

Chain ufw-track-output (1 references)
target  prot opt source      destination
ACCEPT  tcp -- anywhere      anywhere      ctstate NEW
ACCEPT  udp -- anywhere      anywhere      ctstate NEW

Chain ufw-user-forward (1 references)
target  prot opt source      destination

Chain ufw-user-input (1 references)
target  prot opt source      destination
ACCEPT  tcp -- anywhere      anywhere      tcp dpt:http /* 'dapp_Nginx%20HTTP' */
```

```
Chain ufw-user-limit (0 references)
target  prot opt source          destination
LOG    all -- anywhere         anywhere        limit: avg 3/min burst 5 LOG level warning
prefix "[UFW LIMIT BLOCK]"
REJECT all -- anywhere        anywhere        reject-with icmp-port-unreachable
```

```
Chain ufw-user-limit-accept (0 references)
target  prot opt source          destination
ACCEPT all -- anywhere         anywhere
```

```
Chain ufw-user-logging-forward (0 references)
target  prot opt source          destination
```

```
Chain ufw-user-logging-input (0 references)
target  prot opt source          destination
```

```
Chain ufw-user-logging-output (0 references)
target  prot opt source          destination
```

```
Chain ufw-user-output (1 references)
target  prot opt source          destination
```

```
webonise@webonise:~$ sudo ufw enable
Firewall is active and enabled on system startup
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
Skipping adding existing rule
Skipping adding existing rule (v6)
webonise@webonise:~$ sudo ufw status
```

Status: active

To	Action	From
--	-----	-----
Nginx HTTP	ALLOW	Anywhere
Nginx HTTP (v6)	ALLOW	Anywhere (v6)

```
webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/V.*$//'  
Device "eth0" does not exist.
```

```
webonise@webonise:~$ sudo apt install php-fpm php-mysql
```

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following packages were automatically installed and are no longer required:

  libfprint-2-tod1 libllvm10

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

```
php7.4-fpm php7.4-mysql
The following NEW packages will be installed:
  php-fpm php-mysql php7.4-fpm php7.4-mysql
0 upgraded, 4 newly installed, 0 to remove and 18 not upgraded.
Need to get 1,559 kB of archives.
After this operation, 5,361 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 php7.4-fpm amd64
  7.4.3-4ubuntu2.6 [1,434 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 php-fpm all 2:7.4+75 [2,792 B]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-mysql amd64
  7.4.3-4ubuntu2.6 [121 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php-mysql all 2:7.4+75 [2,000 B]
Fetched 1,559 kB in 0s (3,842 kB/s)
Selecting previously unselected package php7.4-fpm.
(Reading database ... 197364 files and directories currently installed.)
Preparing to unpack .../php7.4-fpm_7.4.3-4ubuntu2.6_amd64.deb ...
Unpacking php7.4-fpm (7.4.3-4ubuntu2.6) ...
Selecting previously unselected package php-fpm.
Preparing to unpack .../php-fpm_2%3a7.4+75_all.deb ...
Unpacking php-fpm (2:7.4+75) ...
Selecting previously unselected package php7.4-mysql.
Preparing to unpack .../php7.4-mysql_7.4.3-4ubuntu2.6_amd64.deb ...
Unpacking php7.4-mysql (7.4.3-4ubuntu2.6) ...
Selecting previously unselected package php-mysql.
Preparing to unpack .../php-mysql_2%3a7.4+75_all.deb ...
Unpacking php-mysql (2:7.4+75) ...
Setting up php7.4-mysql (7.4.3-4ubuntu2.6) ...

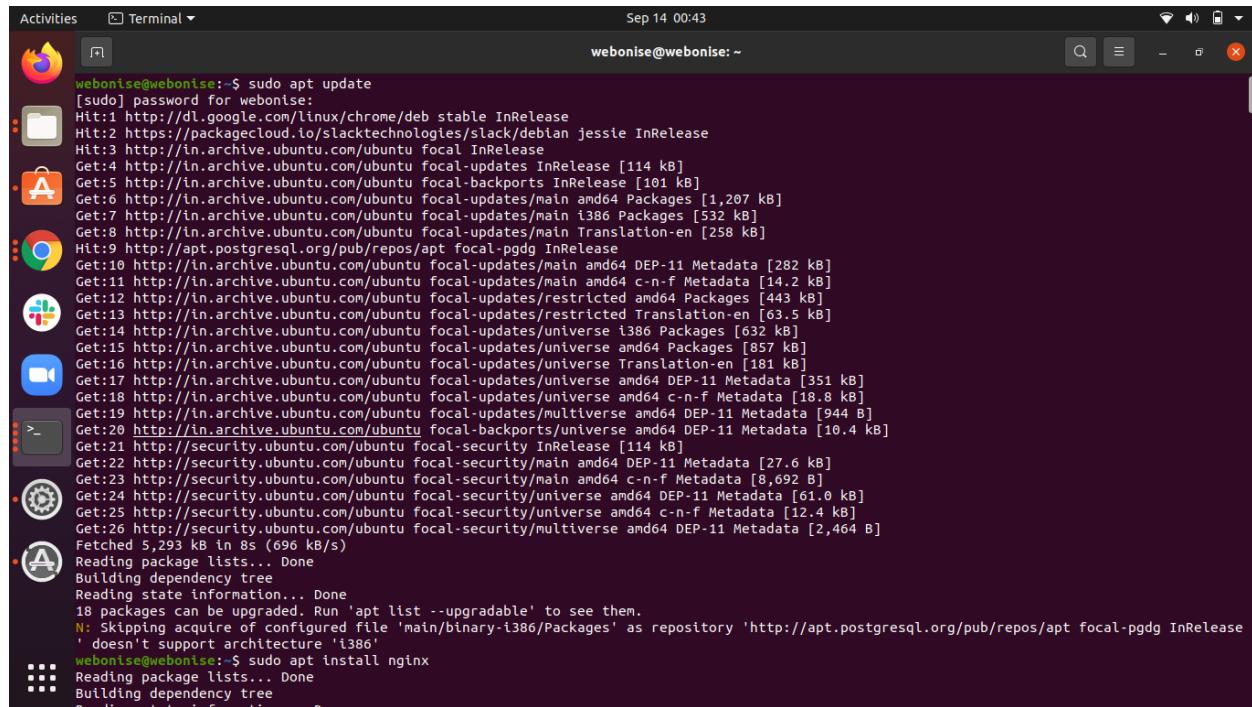
Creating config file /etc/php/7.4/mods-available/mysqlnd.ini with new version

Creating config file /etc/php/7.4/mods-available/mysqli.ini with new version

Creating config file /etc/php/7.4/mods-available/pdo_mysql.ini with new version
Setting up php7.4-fpm (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/fpm/php.ini with new version
NOTICE: Not enabling PHP 7.4 FPM by default.
NOTICE: To enable PHP 7.4 FPM in Apache2 do:
NOTICE: a2enmod proxy_fcgi setenvif
NOTICE: a2enconf php7.4-fpm
NOTICE: You are seeing this message because you have apache2 package installed.
Created symlink /etc/systemd/system/multi-user.target.wants/php7.4-fpm.service →
/lib/systemd/system/php7.4-fpm.service.
```

```
Setting up php-fpm (2:7.4+75) ...
Setting up php-mysql (2:7.4+75) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libapache2-mod-php7.4 (7.4.3-4ubuntu2.6) ...
Processing triggers for systemd (245.4-4ubuntu3.11) ...
Processing triggers for php7.4-cli (7.4.3-4ubuntu2.6) ...
Processing triggers for php7.4-fpm (7.4.3-4ubuntu2.6) ...
NOTICE: Not enabling PHP 7.4 FPM by default.
NOTICE: To enable PHP 7.4 FPM in Apache2 do:
NOTICE: a2enmod proxy_fcgi setenvif
NOTICE: a2enconf php7.4-fpm
NOTICE: You are seeing this message because you have apache2 package installed.
webonise@webonise:~$
```



A screenshot of a Linux terminal window titled "Terminal". The window shows a command-line session. The user has run "sudo apt update" followed by "sudo apt install nginx". The output of the update command shows numerous package downloads from various repositories. The "nginx" installation command is shown at the bottom.

```
Activities Terminal Sep 14 00:43 webonise@webonise: ~
webonise@webonise:~$ sudo apt update
[sudo] password for webonise:
Hit:1 http://dl.google.com/linux/chrome/deb stable InRelease
Hit:2 https://packagecloud.io/slacktechnologies/slack/debian jessie InRelease
Hit:3 http://in.archive.ubuntu.com/ubuntu focal InRelease
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease [101 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages [1,207 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main i386 Packages [532 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main Translation-en [258 kB]
Get:9 http://apt.postgresql.org/pub/repos/apt focal-pgdg InRelease
Get:10 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metadata [282 kB]
Get:11 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 c-n-f Metadata [14.2 kB]
Get:12 http://in.archive.ubuntu.com/ubuntu focal-updates/restricted amd64 Packages [443 kB]
Get:13 http://in.archive.ubuntu.com/ubuntu focal-updates/restricted Translation-en [63.5 kB]
Get:14 http://in.archive.ubuntu.com/ubuntu focal-updates/universe i386 Packages [632 kB]
Get:15 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 Packages [857 kB]
Get:16 http://in.archive.ubuntu.com/ubuntu focal-updates/universe Translation-en [181 kB]
Get:17 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 DEP-11 Metadata [351 kB]
Get:18 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 c-n-f Metadata [18.8 kB]
Get:19 http://in.archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 DEP-11 Metadata [944 B]
Get:20 http://in.archive.ubuntu.com/ubuntu focal-backports/universe amd64 DEP-11 Metadata [10.4 kB]
Get:21 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]
Get:22 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [27.6 kB]
Get:23 http://security.ubuntu.com/ubuntu focal-security/main amd64 c-n-f Metadata [8,692 B]
Get:24 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [61.0 kB]
Get:25 http://security.ubuntu.com/ubuntu focal-security/universe amd64 c-n-f Metadata [12.4 kB]
Get:26 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [2,464 B]
Fetched 5,293 kB in 8s (696 kB/s)
Reading package lists... Done
Building dependency tree
Reading state information... Done
18 packages can be upgraded. Run 'apt list --upgradable' to see them.
N: Skipping acquire of configured file 'main/binary-i386/Packages' as repository 'http://apt.postgresql.org/pub/repos/apt focal-pgdg InRelease'
  ' doesn't support architecture 'i386'
webonise@webonise:~$ sudo apt install nginx
Reading package lists... Done
Building dependency tree

```

Activities Terminal Sep 14 00:43 webonise@webonise:~

```
' doesn't support architecture 'i386'
webonise@webonise:~$ sudo apt install nginx
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libfbprint-2-tod1 libl10n10
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream nginx nginx-common nginx-core
Suggested packages:
  fcgiwrap nginx-doc
The following NEW packages will be installed:
  libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter
  libnginx-mod-mail libnginx-mod-stream nginx nginx-common nginx-core
0 upgraded, 7 newly installed, 0 to remove and 18 not upgraded.
Need to get 603 kB of archives.
After this operation, 2,134 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-common all 1.18.0-0ubuntu1.2 [37.5 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-http-image-filter amd64 1.18.0-0ubuntu1.2 [14.4 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-http-xslt-filter amd64 1.18.0-0ubuntu1.2 [12.7 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-mail amd64 1.18.0-0ubuntu1.2 [42.5 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libnginx-mod-stream amd64 1.18.0-0ubuntu1.2 [67.3 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx-core amd64 1.18.0-0ubuntu1.2 [425 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 nginx all 1.18.0-0ubuntu1.2 [3,620 B]
Fetched 603 kB in 0s (5,333 kB/s)
Preconfiguring packages ...
Selecting previously unselected package nginx-common.
(Reading database ... 187054 files and directories currently installed.)
Preparing to unpack .../0-nginx-common_1.18.0-0ubuntu1.2_all.deb ...
Unpacking nginx-common (1.18.0-0ubuntu1.2) ...
Selecting previously unselected package libnginx-mod-http-image-filter.
Preparing to unpack .../1-libnginx-mod-http-image-filter_1.18.0-0ubuntu1.2_amd64
.deb ...
Unpacking libnginx-mod-http-image-filter (1.18.0-0ubuntu1.2) ...
Selecting previously unselected package libnginx-mod-http-xslt-filter.
```

Activities Terminal Sep 14 00:43 webonise@webonise:~

```
Preparing to unpack .../2-libnginx-mod-http-xslt-filter_1.18.0-0ubuntu1.2_amd64.
deb ...
Unpacking libnginx-mod-http-xslt-filter (1.18.0-0ubuntu1.2) ...
Selecting previously unselected package libnginx-mod-mail.
Preparing to unpack .../3-libnginx-mod-mail_1.18.0-0ubuntu1.2_amd64.deb ...
Unpacking libnginx-mod-mail (1.18.0-0ubuntu1.2) ...
Selecting previously unselected package libnginx-mod-stream.
Preparing to unpack .../4-libnginx-mod-stream_1.18.0-0ubuntu1.2_amd64.deb ...
Unpacking libnginx-mod-stream (1.18.0-0ubuntu1.2) ...
Selecting previously unselected package nginx-core.
Preparing to unpack .../5-nginx-core_1.18.0-0ubuntu1.2_amd64.deb ...
Unpacking nginx-core (1.18.0-0ubuntu1.2) ...
Selecting previously unselected package nginx.
Preparing to unpack .../6-nginx_1.18.0-0ubuntu1.2_all.deb ...
Unpacking nginx (1.18.0-0ubuntu1.2) ...
Setting up nginx-common (1.18.0-0ubuntu1.2) ...
Created symlink /etc/systemd/system/multi-user.target.wants/nginx.service → /lib
/systemd/system/nginx.service.
Setting up libnginx-mod-http-xslt-filter (1.18.0-0ubuntu1.2) ...
Setting up libnginx-mod-mail (1.18.0-0ubuntu1.2) ...
Setting up libnginx-mod-http-image-filter (1.18.0-0ubuntu1.2) ...
Setting up libnginx-mod-stream (1.18.0-0ubuntu1.2) ...
Setting up nginx-core (1.18.0-0ubuntu1.2) ...
Setting up nginx (1.18.0-0ubuntu1.2) ...
Processing triggers for systemd (245.4-4ubuntu3.11) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for ufw (0.36-6) ...
webonise@webonise:~$ sudo ufw app list
Available applications:
  CUPS
  Nginx Full
  Nginx HTTP
  Nginx HTTPS
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
Rules updated
Rules updated (v6)
webonise@webonise:~$ sudo ufw status
Status: inactive
```

Activities Terminal Sep 14 00:43 webonise@webonise: ~

```
Ng...  
Nginx HTTPS  
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'  
Rules updated  
Rules updated (v6)  
webonise@webonise:~$ sudo ufw status  
Status: inactive  
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'  
Skipping adding existing rule  
Skipping adding existing rule (v6)  
webonise@webonise:~$ sudo ufw status  
Status: inactive  
webonise@webonise:~$ systemctl start nginx  
webonise@webonise:~$ systemctl enable nginx  
Synchronizing state of nginx.service with SysV service script with /lib/systemd/systemd-sysv-install.  
Executing: /lib/systemd/systemd-sysv-install enable nginx  
webonise@webonise:~$ systemctl status nginx  
● nginx.service - A high performance web server and a reverse proxy server  
  Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset:)  
  Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago  
    Docs: man:nginx(8)  
   Main PID: 26016 (nginx)  
     Tasks: 9 (limit: 18743)  
    Memory: 7.9M  
   CGroup: /system.slice/nginx.service  
          └─26016 nginx: master process /usr/sbin/nginx -g daemon on; master_>  
           ├─26017 nginx: worker process  
           ├─26018 nginx: worker process  
           ├─26019 nginx: worker process  
           ├─26020 nginx: worker process  
           ├─26021 nginx: worker process  
           ├─26022 nginx: worker process  
           ├─26023 nginx: worker process  
           └─26024 nginx: worker process  
  
Sep 13 18:05:45 webonise systemd[1]: Starting A high performance web server and...  
Sep 13 18:05:45 webonise systemd[1]: Started A high performance web server and...  
Lines 1-20/20 (END)...skipping...  
● nginx.service - A high performance web server and a reverse proxy server
```

Activities Terminal Sep 14 00:43 webonise@webonise: ~

```
Status: inactive  
webonise@webonise:~$ systemctl start nginx  
webonise@webonise:~$ systemctl enable nginx  
Synchronizing state of nginx.service with SysV service script with /lib/systemd/systemd-sysv-install.  
Executing: /lib/systemd/systemd-sysv-install enable nginx  
webonise@webonise:~$ systemctl status nginx  
● nginx.service - A high performance web server and a reverse proxy server  
  Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset:)  
  Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago  
    Docs: man:nginx(8)  
   Main PID: 26016 (nginx)  
     Tasks: 9 (limit: 18743)  
    Memory: 7.9M  
   CGroup: /system.slice/nginx.service  
          └─26016 nginx: master process /usr/sbin/nginx -g daemon on; master_>  
           ├─26017 nginx: worker process  
           ├─26018 nginx: worker process  
           ├─26019 nginx: worker process  
           ├─26020 nginx: worker process  
           ├─26021 nginx: worker process  
           ├─26022 nginx: worker process  
           ├─26023 nginx: worker process  
           └─26024 nginx: worker process  
  
Sep 13 18:05:45 webonise systemd[1]: Starting A high performance web server and...  
Sep 13 18:05:45 webonise systemd[1]: Started A high performance web server and...  
Lines 1-20/20 (END)...skipping...  
● nginx.service - A high performance web server and a reverse proxy server  
  Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)  
  Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago  
    Docs: man:nginx(8)  
   Main PID: 26016 (nginx)  
     Tasks: 9 (limit: 18743)  
    Memory: 7.9M  
   CGroup: /system.slice/nginx.service  
          └─26016 nginx: master process /usr/sbin/nginx -g daemon on; master_process on;  
           ├─26017 nginx: worker process  
           ├─26018 nginx: worker process  
           └─26019 nginx: worker process
```

Activities Terminal Sep 14 00:44 webonise@webonise: ~

```
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
     Active: active (running) since Mon 2021-09-13 18:05:45 IST; 3min 34s ago
       Docs: man:nginx(8)
   Main PID: 26016 (nginx)
      Tasks: 9 (limit: 18743)
     Memory: 7.9M
        CGroup: /system.slice/nginx.service
                └─26016 nginx: master process /usr/sbin/nginx -g daemon on; master_process on;
                  ├─26017 nginx: worker process
                  ├─26018 nginx: worker process
                  ├─26019 nginx: worker process
                  ├─26020 nginx: worker process
                  ├─26021 nginx: worker process
                  ├─26022 nginx: worker process
                  ├─26023 nginx: worker process
                  └─26024 nginx: worker process

Sep 13 18:05:45 webonise systemd[1]: Starting A high performance web server and a reverse proxy server...
Sep 13 18:05:45 webonise systemd[1]: Started A high performance web server and a reverse proxy server.
```

Activities Terminal Sep 14 00:44 webonise@webonise: ~

```
webonise@webonise:~$ CREATE DATABASE wordpress DEFAULT CHARACTER SET utf8 COLLATE utf8_unicode_ci;
CREATE: command not found
webonise@webonise:~$ apt install -y php php-common php-mbstring php-gd php-intl php-xml php-mysql php-mcrypt php-fpm
E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?
webonise@webonise:~$ sudo ufw status
Status: inactive
webonise@webonise:~$ sudo apt install -y php php-common php-mbstring php-gd php-intl php-xml php-mysql php-mcrypt php-fpm
Reading package lists... Done
Building dependency tree
Reading state information... Done
Package php-mcrypt is not available, but is referred to by another package.
This may mean that the package is missing, has been obsoleted, or
is only available from another source

E: Package 'php-mcrypt' has no installation candidate
webonise@webonise:~$ sudo apt install -y build-essential
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libpfrint-2-tod1 libllym10
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu dpkg-dev fakeroot g++
  g++-9 gcc gcc-9 libalgorithm-diff-perl libalgorithm-diff-xs-perl
  libalgorithm-merge-perl libasan5 libatomic1 libbinutils libc-dev-bin
  libc6-dev libcrypt-dev libctf-nobfd0 libctf0 libfakeroot libgcc-9-dev
  libitm liblsan0 libquadmath0 libstdc++-9-dev libtsan0 libubsan1
  linux-libc-dev make manpages-dev
Suggested packages:
  binutils-doc debian-keyring g++-multilib g++-9-multilib gcc-9-doc
  gcc-multilib autoconf libtool flex bison gcc-doc gcc-9-multilib
  gcc-9-locales glibc-doc libstdc++-9-doc make-doc
The following NEW packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu build-essential dpkg-dev
  fakeroot g++ g++-9 gcc gcc-9 libalgorithm-diff-perl
```

Activities Terminal Sep 14 00:44 webonise@webonise: ~

```
fakeroot g++ g++-9 gcc gcc-9 libalgorithm-diff-perl  
libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan5 libatomic1  
libbinutils libc-dev-bin libc6-dev libcrypt-dev libctf-nobfd0 libctf0  
libfakeroot libgcc-9-dev libitm liblsan0 libquadmath0 libstdc++-9-dev  
libtsan0 libubsan0 linux-libc-dev make manpages-dev  
0 upgraded, 32 newly installed, 0 to remove and 18 not upgraded.  
Need to get 34.4 MB of archives.  
After this operation, 157 MB of additional disk space will be used.  
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-common amd64 2.34-6ubuntu1.1 [207 kB]  
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libbinutils amd64 2.34-6ubuntu1.1 [475 kB]  
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf-nobfd0 amd64 2.34-6ubuntu1.1 [47.1 kB]  
Get:4 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libctf0 amd64 2.34-6ubuntu1.1 [46.6 kB]  
Get:5 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils-x86_64-linux-gnu amd64 2.34-6ubuntu1.1 [1,613 kB]  
Get:6 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 binutils amd64 2.34-6ubuntu1.1 [3,380 kB]  
Get:7 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc-dev-bin amd64 2.31-0ubuntu9.2 [71.8 kB]  
Get:8 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 linux-libc-dev amd64 5.4.0-84.94 [1,115 kB]  
Get:9 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libcrypt-dev amd64 1:4.4.10-10ubuntu4 [104 kB]  
Get:10 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libc6-dev amd64 2.31-0ubuntu9.2 [2,526 kB]  
Get:11 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libitm1 amd64 10.3.0-1ubuntu1-20.04 [26.2 kB]  
Get:12 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libatomic1 amd64 10.3.0-1ubuntu1-20.04 [9,284 kB]  
Get:13 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libasan5 amd64 9.3.0-17ubuntu1-20.04 [394 kB]  
Get:14 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 liblsan0 amd64 10.3.0-1ubuntu1-20.04 [835 kB]  
Get:15 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libtsan0 amd64 10.3.0-1ubuntu1-20.04 [2,009 kB]  
Get:16 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libubsan1 amd64 10.3.0-1ubuntu1-20.04 [784 kB]  
Get:17 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libquadmath0 amd64 10.3.0-1ubuntu1-20.04 [146 kB]  
Get:18 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libgcc-9-dev amd64 9.3.0-17ubuntu1-20.04 [2,360 kB]  
Get:19 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 gcc-9 amd64 9.3.0-17ubuntu1-20.04 [8,241 kB]  
Get:20 http://in.archive.ubuntu.com/ubuntu focal/main amd64 gcc amd64 4:9.3.0-1ubuntu2 [5,208 kB]  
Get:21 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libstdc++-9-dev amd64 9.3.0-17ubuntu1-20.04 [1,714 kB]  
Get:22 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 g++-9 amd64 9.3.0-17ubuntu1-20.04 [8,405 kB]  
Get:23 http://in.archive.ubuntu.com/ubuntu focal/main amd64 g++ amd64 4:9.3.0-1ubuntu2 [1,694 kB]  
Get:24 http://in.archive.ubuntu.com/ubuntu focal/main amd64 make amd64 4.2.1-1.2 [162 kB]  
Get:25 http://in.archive.ubuntu.com/ubuntu focal/main amd64 dpkg-dev all 1.19.7ubuntu3 [679 kB]  
Get:26 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 build-essential amd64 12.8ubuntu1.1 [4,664 B]  
Get:27 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libfakeroot amd64 1.24-1 [25.7 kB]  
Get:28 http://in.archive.ubuntu.com/ubuntu focal/main amd64 fakeroot amd64 1.24-1 [62.6 kB]  
Get:29 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-perl all 1.19.03-2 [46.6 kB]  
Get:30 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-xs-perl amd64 0.04-6 [11.3 kB]  
Get:31 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-merge-perl all 0.08-3 [12.0 kB]  
Get:32 http://in.archive.ubuntu.com/ubuntu focal/main amd64 manpages-dev all 5.05-1 [2,266 kB]  
Fetched 34.4 MB in 2s (17.6 MB/s)  
Extracting templates from packages: 100%  
Selecting previously unselected package binutils-common:amd64.  
(Reading database ... 187132 files and directories currently installed.)  
Preparing to unpack .../00-binutils-common_2.34-6ubuntu1.1_amd64.deb ...  
Unpacking binutils-common:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libbinutils:amd64.  
Preparing to unpack .../01-libbinutils_2.34-6ubuntu1.1_amd64.deb ...  
Unpacking libbinutils:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libctf-nobfd0:amd64.  
Preparing to unpack .../02-libctf-nobfd0_2.34-6ubuntu1.1_amd64.deb ...  
Unpacking libctf-nobfd0:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libctf0:amd64.  
Preparing to unpack .../03-libctf0_2.34-6ubuntu1.1_amd64.deb ...  
Unpacking libctf0:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package binutils-x86_64-linux-gnu.  
Preparing to unpack .../04-binutils-x86_64-linux-gnu_2.34-6ubuntu1.1_amd64.deb ...  
Unpacking binutils-x86_64-linux-gnu (2.34-6ubuntu1.1) ...  
Selecting previously unselected package binutils.  
Preparing to unpack .../05-binutils_2.34-6ubuntu1.1_amd64.deb ...  
Unpacking binutils (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libc-dev-bin.  
Preparing to unpack .../06-libc-dev-bin_2.31-0ubuntu9.2_amd64.deb ...  
Unpacking libc-dev-bin (2.31-0ubuntu9.2) ...  
Selecting previously unselected package linux-libc-dev:amd64.  
Preparing to unpack .../07-linux-libc-dev_5.4.0-84.94_amd64.deb ...  
Unpacking linux-libc-dev:amd64 (5.4.0-84.94) ...  
Selecting previously unselected package libcrypt-dev:amd64.
```

Activities Terminal Sep 14 00:45 webonise@webonise: ~

```
Get:24 http://in.archive.ubuntu.com/ubuntu focal/main amd64 make amd64 4.2.1-1.2 [162 kB]  
Get:25 http://in.archive.ubuntu.com/ubuntu focal/main amd64 dpkg-dev all 1.19.7ubuntu3 [679 kB]  
Get:26 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 build-essential amd64 12.8ubuntu1.1 [4,664 B]  
Get:27 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libfakeroot amd64 1.24-1 [25.7 kB]  
Get:28 http://in.archive.ubuntu.com/ubuntu focal/main amd64 fakeroot amd64 1.24-1 [62.6 kB]  
Get:29 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-perl all 1.19.03-2 [46.6 kB]  
Get:30 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-diff-xs-perl amd64 0.04-6 [11.3 kB]  
Get:31 http://in.archive.ubuntu.com/ubuntu focal/main amd64 libalgorithm-merge-perl all 0.08-3 [12.0 kB]  
Get:32 http://in.archive.ubuntu.com/ubuntu focal/main amd64 manpages-dev all 5.05-1 [2,266 kB]  
Fetched 34.4 MB in 2s (17.6 MB/s)  
Extracting templates from packages: 100%  
Selecting previously unselected package binutils-common:amd64.  
(Reading database ... 187132 files and directories currently installed.)  
Preparing to unpack .../00-binutils-common_2.34-6ubuntu1.1_amd64.deb ...  
Unpacking binutils-common:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libbinutils:amd64.  
Preparing to unpack .../01-libbinutils_2.34-6ubuntu1.1_amd64.deb ...  
Unpacking libbinutils:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libctf-nobfd0:amd64.  
Preparing to unpack .../02-libctf-nobfd0_2.34-6ubuntu1.1_amd64.deb ...  
Unpacking libctf-nobfd0:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libctf0:amd64.  
Preparing to unpack .../03-libctf0_2.34-6ubuntu1.1_amd64.deb ...  
Unpacking libctf0:amd64 (2.34-6ubuntu1.1) ...  
Selecting previously unselected package binutils-x86_64-linux-gnu.  
Preparing to unpack .../04-binutils-x86_64-linux-gnu_2.34-6ubuntu1.1_amd64.deb ...  
Unpacking binutils-x86_64-linux-gnu (2.34-6ubuntu1.1) ...  
Selecting previously unselected package binutils.  
Preparing to unpack .../05-binutils_2.34-6ubuntu1.1_amd64.deb ...  
Unpacking binutils (2.34-6ubuntu1.1) ...  
Selecting previously unselected package libc-dev-bin.  
Preparing to unpack .../06-libc-dev-bin_2.31-0ubuntu9.2_amd64.deb ...  
Unpacking libc-dev-bin (2.31-0ubuntu9.2) ...  
Selecting previously unselected package linux-libc-dev:amd64.  
Preparing to unpack .../07-linux-libc-dev_5.4.0-84.94_amd64.deb ...  
Unpacking linux-libc-dev:amd64 (5.4.0-84.94) ...  
Selecting previously unselected package libcrypt-dev:amd64.
```

Activities Terminal Sep 14 00:45 webonise@webonise: ~

```
Selecting previously unselected package binutils.
Preparing to unpack .../05-binutils_2.34-0ubuntu1.1_amd64.deb ...
Unpacking binutils (2.34-0ubuntu1.1) ...
Selecting previously unselected package libc-dev-bin.
Preparing to unpack .../06-libc-dev-bin_2.31-0ubuntu9.2_amd64.deb ...
Unpacking libc-dev-bin (2.31-0ubuntu9.2) ...
Selecting previously unselected package linux-libc-dev:amd64.
Preparing to unpack .../07-linux-libc-dev_5.4.0-84.94_amd64.deb ...
Unpacking linux-libc-dev:amd64 (5.4.0-84.94) ...
Selecting previously unselected package libcrypt-dev:amd64.
Preparing to unpack .../08-libcrypt-dev_1k34.4.10-10ubuntu4_amd64.deb ...
Unpacking libcrypt-dev:amd64 (1:4.4.10-10ubuntu4) ...
Selecting previously unselected package libc6-dev:amd64.
Preparing to unpack .../09-libc6-dev_2.31-0ubuntu9.2_amd64.deb ...
Unpacking libc6-dev:amd64 (2.31-0ubuntu9.2) ...
Selecting previously unselected package libitm1:amd64.
Preparing to unpack .../10-libitm1_10.3.0-1ubuntu1-20.04_amd64.deb ...
Unpacking libitm1:amd64 (10.3.0-1ubuntu1-20.04) ...
Selecting previously unselected package libatomici1:amd64.
Preparing to unpack .../11-libatomici1_10.3.0-1ubuntu1-20.04_amd64.deb ...
Unpacking libatomici1:amd64 (10.3.0-1ubuntu1-20.04) ...
Selecting previously unselected package libasan5:amd64.
Preparing to unpack .../12-libasan5_9.3.0-17ubuntu1-20.04_amd64.deb ...
Unpacking libasan5:amd64 (9.3.0-17ubuntu1-20.04) ...
Selecting previously unselected package libisano0:amd64.
Preparing to unpack .../13-libisano0_10.3.0-1ubuntu1-20.04_amd64.deb ...
Unpacking libisano0:amd64 (10.3.0-1ubuntu1-20.04) ...
Selecting previously unselected package libtsan0:amd64.
Preparing to unpack .../14-libtsan0_10.3.0-1ubuntu1-20.04_amd64.deb ...
Unpacking libtsan0:amd64 (10.3.0-1ubuntu1-20.04) ...
Selecting previously unselected package libubsan1:amd64.
Preparing to unpack .../15-libubsan1_10.3.0-1ubuntu1-20.04_amd64.deb ...
Unpacking libubsan1:amd64 (10.3.0-1ubuntu1-20.04) ...
Selecting previously unselected package libquadmath0:amd64.
Preparing to unpack .../16-libquadmath0_10.3.0-1ubuntu1-20.04_amd64.deb ...
Unpacking libquadmath0:amd64 (10.3.0-1ubuntu1-20.04) ...
Selecting previously unselected package libgcc-9-dev:amd64.
Preparing to unpack .../17-libgcc-9-dev_9.3.0-17ubuntu1-20.04_amd64.deb ...
Unpacking libgcc-9-dev:amd64 (9.3.0-17ubuntu1-20.04)
```

Activities Terminal Sep 14 00:45 webonise@webonise: ~

```
Setting up build-essential (12.8ubuntu1.1) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...
webonise@webonise: ~$ gcc --version
gcc (Ubuntu 9.3.0-17ubuntu1-20.04) 9.3.0
Copyright (C) 2019 Free Software Foundation, Inc.
This is free software; see the source for copying conditions. There is NO
warranty; not even for MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE.

webonise@webonise: ~$ make --version
GNU Make 4.2.1
Built for x86_64-pc-linux-gnu
Copyright (C) 1988-2016 Free Software Foundation, Inc.
License GPLv3+: GNU GPL version 3 or later <http://gnu.org/licenses/gpl.html>
This is free software: you are free to change and redistribute it.
There is NO WARRANTY, to the extent permitted by law.
webonise@webonise: ~$ sudo apt install php php-pear php-dev libmcrypt-dev
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
liblprint-2-tod1 liblvm10
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
apache2 apache2-bin apache2-data apache2-utils autoconf automake autopoint
autotools-dev debhelper dh-autoreconf dh-strip-nondeterminism dwz gettext
intltool-debian libapache2-mod-php7.4 libapr1 libaprutil1
libaprutil1-dbd-sqlite3 libaprutil1-ldap libarchive-cpio-perl
libarchive-zip-perl libcroco3 libdebhelper-perl
libfile-stripnondeterminism-perl libltdl-dev liblua5.2-0
libmail-sendmail-perl libmcrypt4 libpcre2-16-0 libpcre2-dev libpcre2-posix2
libsigsegv2 libssl-dev libsub-override-perl libsys-hostname-long-perl
libtalloc m4 php-cli php-common php-xml php7.4 php7.4-cll php7.4-common
php7.4-dev php7.4-json php7.4-ocache php7.4-readline php7.4-xml
pkg-php-tools po-debconf shtool
Suggested packages:
apache2-doc apache2-suexec-pristine | apache2-suexec-custom
autoconf-archive gnu-standards autoconf-doc dh-make gettext-doc
libasprintf-dev libbz2-dev libtextcat-dev libtalloc-dev mesgctl libselinux-dev
```

Activities Terminal Sep 14 00:46 webonise@webonise: ~

```
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for install-info (6.7.0.dfsg.2-5) ...
Processing triggers for php7.4-cli (7.4.3-4ubuntu2.6) ...
Processing triggers for libapache2-mod-php7.4 (7.4.3-4ubuntu2.6) ...
WARNING: channel "pecl.php.net" has updated its protocols, use "pecl channel-update pecl.php.net" to update

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
Retrieving data...0%
Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
.
Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on line 550
PHP Notice: Trying to access array offset on value of type null in /usr/share/php/PEAR/Command/Remote.php on line 550
Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on line 551
PHP Notice: Trying to access array offset on value of type null in /usr/share/php/PEAR/Command/Remote.php on line 551
Notice: Trying to access array offset on value of type null in PEAR/Command/Remote.php on line 550
PHP Notice: Trying to access array offset on value of type null in /usr/share/php/PEAR/Command/Remote.php on line 550
```

Activities Terminal Sep 14 00:46 webonise@webonise: ~

```
mcrypt_filter 0.1.0 (beta) Applies mcrypt symmetric encryption using stream filters
webonise@webonise: ~$ sudo pecl install mcrypt

Notice: Trying to access array offset on value of type bool in PEAR/REST.php on line 187
PHP Notice: Trying to access array offset on value of type bool in /usr/share/php/PEAR/REST.php on line 187
WARNING: channel "pecl.php.net" has updated its protocols, use "pecl channel-update pecl.php.net" to update
downloading mcrypt-1.0.4.tgz ...
Starting to download mcrypt-1.0.4.tgz (27,056 bytes)
.....done: 27,056 bytes
6 source files, building
running: phpize
Configuring for:
PHP Api Version: 20190902
Zend Module Api No: 20190902
Zend Extension Api No: 320190902
libmcrypt prefix? [autodetect] :
building in /tmp/pear/temp/pear-build-rootaHPPfQ/mcrypt-1.0.4
running: /tmp/pear/temp/mcrypt/configure --with-php-config=/usr/bin/php-config --with-mcrypt
cZoom g for grep that handles long lines and -e... /usr/bin/grep
checking for egrep... /usr/bin/grep -E
checking for a sed that does not truncate output... /usr/bin/sed
checking for pkg-config... /usr/bin/pkg-config
checking pkg-config is at least version 0.9.0... yes
checking for cc... cc
checking whether the C compiler works... yes
checking for C compiler default output file name... a.out
checking for suffix of executables...
checking whether we are cross compiling... no
checking for suffix of object files... o
checking whether we are using the GNU C compiler... yes
checking for cc option to accept ISO C89... none needed
checking how to run the C preprocessor... cc -E
checking for icc... no
checking for suncc... no
checking for system library directory... lib
checking if compiler supports -R... no
checking if compiler supports -Wl,-rpath,... yes
checking build system type... x86_64-pc-linux-gnu
```

Activities Terminal Sep 14 00:46 webonise@webonise: ~

```
configuration option "php_ini" is not set to php.ini location
You should add "extension=mcrypt.so" to php.ini
webonise@webonise:~$ sudo vim /etc/php/*/cli/php.ini
sudo: vim: command not found
webonise@webonise:~$ sudo apt install vim
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libfbprint-2-tod1 liblvm10
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  vim-runtime
Suggested packages:
  ctags vim-doc vim-scripts
The following NEW packages will be installed:
  vim vim-runtime
0 upgraded, 2 newly installed, 0 to remove and 18 not upgraded.
Need to get 7,111 kB of archives.
After this operation, 34.6 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu focal/main amd64 vim-runtime all 2:8.1.2269-1ubuntu5 [5,873 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal/main amd64 vim amd64 2:8.1.2269-1ubuntu5 [1,238 kB]
Fetched 7,111 kB in 0s (18.9 MB/s)
Selecting previously unselected package vim-runtime.
(Reading database ... 195528 files and directories currently installed.)
Preparing to unpack .../vim-runtime_2%3a8.1.2269-1ubuntu5_all.deb ...
Adding 'diversion of /usr/share/vim/vim81/doc/help.txt to /usr/share/vim/vim81/doc/help.txt.vim-tiny by vim-runtime'
Adding 'diversion of /usr/share/vim/vim81/doc/tags to /usr/share/vim/vim81/doc/tags.vim-tiny by vim-runtime'
Unpacking vim-runtime (2:8.1.2269-1ubuntu5) ...
Selecting previously unselected package vim.
Preparing to unpack .../vim_2%3a8.1.2269-1ubuntu5_amd64.deb ...
Unpacking vim (2:8.1.2269-1ubuntu5) ...
Setting up vim-runtime (2:8.1.2269-1ubuntu5) ...
Setting up vim (2:8.1.2269-1ubuntu5) ...
update-alternatives: using /usr/bin/vim.basic to provide /usr/bin/vim (vim) in
auto mode
```

Activities Terminal Sep 14 00:46 webonise@webonise: ~

```
Processing triggers for man-db (2.9.1-1) ...
webonise@webonise:~$ sudo vim /etc/php/*/cli/php.ini
webonise@webonise:~$ php -m | grep mcrypt
webonise@webonise:~$ sudo vim /etc/php/*/cli/php.ini
webonise@webonise:~$ sudo vim /etc/php/*/apache2/php.ini
webonise@webonise:~$ php -m | grep mcrypt
mcrypt
webonise@webonise:~$ sudo systemctl restart apache2
Job for apache2.service failed because the control_process exited with error code.
See "systemctl status apache2.service" and "journalctl -xe" for details.
webonise@webonise:~$ systemctl status apache2.service
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: failed (Result: exit-code) since Mon 2021-09-13 18:33:38 IST; 28s ago
     Docs: https://httpd.apache.org/docs/2.4/
   Process: 49862 ExecStart=/usr/sbin/apachectl start (code=exited, status=1/FAILURE)
Sep 13 18:33:38 webonise apachectl[49865]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.0.1
Sep 13 18:33:38 webonise apachectl[49865]: (98)Address already in use: AH00072: make_sock: could not bind to address [::]:80
Sep 13 18:33:38 webonise apachectl[49865]: (98)Address already in use: AH00072: make_sock: could not bind to address 0.0.0.0:80
Sep 13 18:33:38 webonise apachectl[49865]: no listening sockets available, shutting down
Sep 13 18:33:38 webonise apachectl[49865]: AH00015: Unable to open logs
Sep 13 18:33:38 webonise apachectl[49862]: Action 'start' failed.
Sep 13 18:33:38 webonise apachectl[49862]: The Apache error log may have more information.
Sep 13 18:33:38 webonise systemd[1]: apache2.service: Control process exited, code=exited, status=1/FAILURE
Sep 13 18:33:38 webonise systemd[1]: apache2.service: Failed with result 'exit-code'.
Sep 13 18:33:38 webonise systemd[1]: Failed to start The Apache HTTP Server.

webonise@webonise:~$ systemctl restart nginx
webonise@webonise:~$ systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
   Active: active (running) since Mon 2021-09-13 18:35:00 IST; 11s ago
     Docs: man:nginx(8)
   Process: 49926 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
   Process: 49927 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
 Main PID: 49928 (nginx)
    Tasks: 9 (limit: 18743)
   Memory: 7.4M
```

Activities Terminal Sep 14 00:47

```
Sep 13 18:35:00 webonise systemd[1]: Starting A high performance web server and a reverse proxy server...
Sep 13 18:35:00 webonise systemd[1]: Started A high performance web server and a reverse proxy server.
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
Skipping adding existing rule
Skipping adding existing rule (v6)
webonise@webonise:~$ sudo ufw status
Status: inactive
webonise@webonise:~$ apt install -y php php-common php-mbstring php-gd php-intl php-xml php-mysql php-mcrypt php-fpm
E: Could not open lock file /var/lib/dpkg/lock-frontend - open (13: Permission denied)
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontend), are you root?
webonise@webonise:~$ sudo ufw enable
Firewall is active and enabled on system startup
webonise@webonise:~$ sudo ufw default deny
Default incoming policy changed to 'deny'
(be sure to update your rules accordingly)
webonise@webonise:~$ sudo iptables -L
Chain INPUT (policy DROP)
target  prot opt source               destination
ufw-before-logging-input  all  --  anywhere             anywhere
ufw-before-input  all  --  anywhere             anywhere
ufw-after-input  all  --  anywhere             anywhere
ufw-after-logging-input all  --  anywhere             anywhere
ufw-reject-input all  --  anywhere             anywhere
ufw-track-input  all  --  anywhere             anywhere

Chain FORWARD (policy DROP)
target  prot opt source               destination
ufw-before-logging-forward all  --  anywhere             anywhere
ufw-before-forward all  --  anywhere             anywhere
ufw-after-forward all  --  anywhere             anywhere
ufw-after-logging-forward all  --  anywhere             anywhere
ufw-reject-forward all  --  anywhere             anywhere
ufw-track-forward all  --  anywhere             anywhere

Chain OUTPUT (policy ACCEPT)
target  prot opt source               destination
ufw-before-logging-output all  --  anywhere             anywhere
ufw-before-output all  --  anywhere             anywhere
```

Activities Terminal Sep 14 00:47

```
Chain ufw-user-output (1 references)
target  prot opt source               destination
webonise@webonise:~$ sudo ufw enable
Firewall is active and enabled on system startup
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
Skipping adding existing rule
Skipping adding existing rule (v6)
webonise@webonise:~$ sudo ufw status
Status: active
To                         Action      From
--                         -----      ---
Nginx HTTP                 ALLOW      Anywhere
Nginx HTTP (v6)              ALLOW      Anywhere (v6)

webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/\.\.*$//'
Device "eth0" does not exist.
webonise@webonise:~$ sudo apt install php-fpm php-mysql
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libfbprint-2-tod1 liblilvml0
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  php7.4-fpm php7.4-mysql
The following NEW packages will be installed:
  php-fpm php-mysql php7.4-fpm php7.4-mysql
0 upgraded, 4 newly installed, 0 to remove and 18 not upgraded.
Need to get 1,559 kB of archives.
After this operation, 5,361 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/universe amd64 php7.4-fpm amd64 7.4.3-4ubuntu2.6 [1,434 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal/universe amd64 php-fpm all 2:7.4+75 [2,792 B]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 php7.4-mysql amd64 7.4.3-4ubuntu2.6 [121 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu focal/main amd64 php-mysql all 2:7.4+75 [2,000 B]
Fetched 1,559 kB in 0s (3,842 kB/s)
Selecting previously unselected package php7.4-fpm.
```

Activities Terminal Sep 14 00:47 webonise@webonise: ~

```
Unpacking php-fpm (2:7.4+75) ...
Selecting previously unselected package php7.4-mysql.
Preparing to unpack .../php7.4-mysql_7.4.3-4ubuntu2.6_amd64.deb ...
Unpacking php7.4-mysql (7.4.3-4ubuntu2.6) ...
Selecting previously unselected package php-mysql.
Preparing to unpack .../php-mysql_2%3a7.4+75_all.deb ...
Unpacking php-mysql (2:7.4+75) ...
Setting up php7.4-mysql (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/mods-available/mysqlnd.ini with new version
Creating config file /etc/php/7.4/mods-available/mysqli.ini with new version
Creating config file /etc/php/7.4/mods-available/pdo_mysql.ini with new version
Setting up php7.4-fpm (7.4.3-4ubuntu2.6) ...

Creating config file /etc/php/7.4/fpm/php.ini with new version
NOTICE: Not enabling PHP 7.4 FPM by default.
NOTICE: To enable PHP 7.4 FPM in Apache2 do:
NOTICE: a2enmod proxy_fcgi setenvif
NOTICE: a2enconf php7.4-fpm
NOTICE: You are seeing this message because you have apache2 package installed.
Created symlink /etc/systemd/system/multi-user.target.wants/php7.4-fpm.service → /lib/systemd/system/php7.4-fpm.service.

Setting up php-fpm (2:7.4+75) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for libapache2-mod-php7.4 (7.4.3-4ubuntu2.6) ...
Processing triggers for systemd (245.4-4ubuntu3.11) ...
Processing triggers for php7.4-cli (7.4.3-4ubuntu2.6) ...
Processing triggers for php7.4-fpm (7.4.3-4ubuntu2.6) ...
NOTICE: Not enabling PHP 7.4 FPM by default.
NOTICE: To enable PHP 7.4 FPM in Apache2 do:
NOTICE: a2enmod proxy_fcgi setenvif
NOTICE: a2enconf php7.4-fpm
NOTICE: You are seeing this message because you have apache2 package installed.

webonise@webonise:~$
```

```
webonise@webonise:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default
qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s31f6: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc fq_codel state
DOWN group default qlen 1000
    link/ether e8:6a:64:d5:d3:4d brd ff:ff:ff:ff:ff:ff
3: wlp5s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP
group default qlen 1000
    link/ether a8:6d:aa:2e:a9:eb brd ff:ff:ff:ff:ff:ff
    inet 192.168.1.17/24 brd 192.168.1.255 scope global dynamic noprefixroute wlp5s0
        valid_lft 85609sec preferred_lft 85609sec
    inet6 fe80::65e7:17e6:19cf:64a8/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
```

```
webonise@webonise:~$ systemd-resolve --status | grep Current
```

```
Current Scopes: DNS
Current DNS Server: 192.168.1.1
Current Scopes: none
```

```
webonise@webonise:~$ ip r
```

```
default via 192.168.1.1 dev wlp5s0 proto dhcp metric 600
169.254.0.0/16 dev wlp5s0 scope link metric 1000
192.168.1.0/24 dev wlp5s0 proto kernel scope link src 192.168.1.17 metric 600
```

```
webonise@webonise:~$ curl ifconfig.co
```

Command 'curl' not found, but can be installed with:

```
sudo snap install curl # version 7.78.0, or
sudo apt install curl # version 7.68.0-1ubuntu2.7
```

See 'snap info curl' for additional versions.

```
webonise@webonise:~$ sudo apt install curl
[sudo] password for webonise:
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
libfprint-2-tod1 libllvm10 linux-headers-5.4.0-42
linux-headers-5.4.0-42-generic linux-image-5.4.0-42-generic
```

```
linux-modules-5.4.0-42-generic linux-modules-extra-5.4.0-42-generic
Use 'sudo apt autoremove' to remove them.
```

The following additional packages will be installed:

```
libcurl4
```

The following NEW packages will be installed:

```
curl
```

The following packages will be upgraded:

```
libcurl4
```

1 upgraded, 1 newly installed, 0 to remove and 17 not upgraded.

Need to get 396 kB of archives.

After this operation, 413 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

```
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libcurl4 amd64
7.68.0-1ubuntu2.7 [234 kB]
```

```
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 curl amd64
7.68.0-1ubuntu2.7 [161 kB]
```

Fetched 396 kB in 0s (2,887 kB/s)

(Reading database ... 235618 files and directories currently installed.)

Preparing to unpack .../libcurl4\_7.68.0-1ubuntu2.7\_amd64.deb ...

Unpacking libcurl4:amd64 (7.68.0-1ubuntu2.7) over (7.68.0-1ubuntu2.6) ...

Selecting previously unselected package curl.

Preparing to unpack .../curl\_7.68.0-1ubuntu2.7\_amd64.deb ...

Unpacking curl (7.68.0-1ubuntu2.7) ...

Setting up libcurl4:amd64 (7.68.0-1ubuntu2.7) ...

Setting up curl (7.68.0-1ubuntu2.7) ...

Processing triggers for man-db (2.9.1-1) ...

Processing triggers for libc-bin (2.31-0ubuntu9.2) ...

```
webonise@webonise:~$ curl ifconfig.co
```

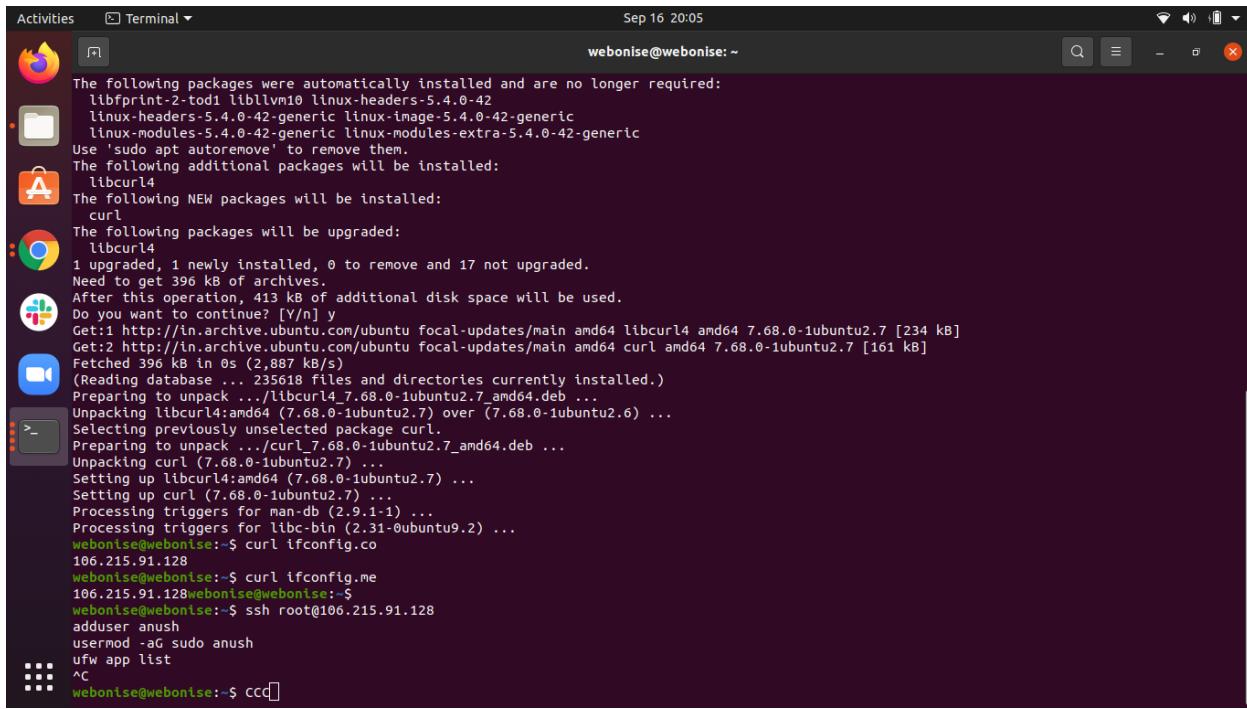
106.215.91.128

```
webonise@webonise:~$ curl ifconfig.me
```

106.215.91.128

```
Activities Terminal Sep 16 20:04 webonise@webonise:~  
[+] webonise@webonise:~$ ip a  
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000  
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00  
    inet 127.0.0.1/8 scope host lo  
        valid_lft forever preferred_lft forever  
        inet6 ::1/128 scope host  
            valid_lft forever preferred_lft forever  
2: enp0s31f6: <NO_CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc fq_codel state DOWN group default qlen 1000  
    link/ether e8:6a:64:d5:d3:4d brd ff:ff:ff:ff:ff:ff  
3: wlp5s0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default qlen 1000  
    link/ether a8:6d:aa:2e:a9:eb brd ff:ff:ff:ff:ff:ff  
    inet 192.168.1.24 brd 192.168.1.255 scope global dynamic noprefixroute wlp5s0  
        valid_lft 85609sec preferred_lft 85609sec  
        inet6 fe80::65e7:17e6:19cf:64a8/64 scope link noprefixroute  
            valid_lft forever preferred_lft forever  
webonise@webonise:~$ systemd-resolve --status | grep Current  
    Current Scopes: DNS  
    Current DNS Server: 192.168.1.1  
    Current Scopes: none  
webonise@webonise:~$ ip r  
default via 192.168.1.1 dev wlp5s0 proto dhcp metric 600  
169.254.0.0/16 dev wlp5s0 scope link metric 1000  
192.168.1.0/24 dev wlp5s0 proto kernel scope link src 192.168.1.17 metric 600  
webonise@webonise:~$ curl ifconfig.co  
  
Command 'curl' not found, but can be installed with:  
  
sudo snap install curl # version 7.78.0, or  
sudo apt install curl # version 7.68.0-1ubuntu2.7  
  
See 'snap info curl' for additional versions.  
  
webonise@webonise:~$ sudo apt install curl  
[sudo] password for webonise:  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  libcurl4-openssl-dev libcurl4-openssl-dev:i386 libcurl4-openssl-dev:amd64  
  libcurl4-openssl-dev:armhf  
Use 'sudo apt autoremove' to remove them.
```

```
Activities Terminal Sep 16 2005 webonise@webonise:~  
  
sudo apt install curl # version 7.68.0-1ubuntu2.7  
See 'snap info curl' for additional versions.  
  
webonise@webonise:~$ sudo apt install curl  
[sudo] password for webonise:  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following packages were automatically installed and are no longer required:  
  liblprint-2-tod1 liblblk10 linux-headers-5.4.0-42  
    linux-headers-5.4.0-42-generic linux-image-5.4.0-42-generic  
    linux-modules-5.4.0-42-generic linux-modules-extra-5.4.0-42-generic  
Use 'sudo apt autoremove' to remove them.  
The following additional packages will be installed:  
  libcurl4  
The following NEW packages will be installed:  
  curl  
The following packages will be upgraded:  
  libcurl4  
1 upgraded, 1 newly installed, 0 to remove and 17 not upgraded.  
Need to get 396 kB of archives.  
After this operation, 413 kB of additional disk space will be used.  
Do you want to continue? [Y/n] y  
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libcurl4 amd64 7.68.0-1ubuntu2.7 [234 kB]  
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 curl amd64 7.68.0-1ubuntu2.7 [161 kB]  
Fetched 396 kB in 0s (2,887 kB/s)  
(Reading database ... 235618 files and directories currently installed.)  
Preparing to unpack .../libcurl4_7.68.0-1ubuntu2.7_amd64.deb ...  
Unpacking libcurl4:amd64 (7.68.0-1ubuntu2.7) over (7.68.0-1ubuntu2.6) ...  
Selecting previously unselected package curl.  
Preparing to unpack .../curl_7.68.0-1ubuntu2.7_amd64.deb ...  
Unpacking curl (7.68.0-1ubuntu2.7) ...  
Setting up libcurl4:amd64 (7.68.0-1ubuntu2.7) ...  
Setting up curl (7.68.0-1ubuntu2.7) ...  
Processing triggers for man-db (2.9.1-1) ...  
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...  
webonise@webonise:~$ curl lfconfig.co
```



The following packages were automatically installed and are no longer required:  
libfprint-2-todl liblomm10 linux-headers-5.4.0-42  
linux-headers-5.4.0-42-generic linux-image-5.4.0-42-generic  
linux-modules-5.4.0-42-generic linux-modules-extra-5.4.0-42-generic  
Use 'sudo apt autoremove' to remove them.  
The following additional packages will be installed:  
libcurl4  
The following NEW packages will be installed:  
curl  
The following packages will be upgraded:  
libcurl4  
1 upgraded, 0 newly installed, 0 to remove and 17 not upgraded.  
Need to get 390 kB of archives.  
After this operation, 413 kB of additional disk space will be used.  
Do you want to continue? [Y/n] y  
Get:1 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 libcurl4 amd64 7.68.0-1ubuntu2.7 [234 kB]  
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 curl amd64 7.68.0-1ubuntu2.7 [161 kB]  
Fetched 396 kB in 0s (2,887 kB/s)  
(Reading database ... 235618 files and directories currently installed.)  
Preparing to unpack .../libcurl4\_7.68.0-1ubuntu2.7\_amd64.deb ...  
Unpacking libcurl4:amd64 (7.68.0-1ubuntu2.7) over (7.68.0-1ubuntu2.6) ...  
Selecting previously unselected package curl ...  
Preparing to unpack .../curl\_7.68.0-1ubuntu2.7\_amd64.deb ...  
Unpacking curl (7.68.0-1ubuntu2.7) ...  
Setting up libcurl4:amd64 (7.68.0-1ubuntu2.7) ...  
Setting up curl (7.68.0-1ubuntu2.7) ...  
Processing triggers for man-db (2.9.1-1) ...  
Processing triggers for libc-bin (2.31-0ubuntu9.2) ...  
webonise@webonise:~\$ curl ifconfig.co  
106.215.91.128  
webonise@webonise:~\$ curl ifconfig.me  
106.215.91.128webonise@webonise:~\$  
webonise@webonise:~\$ ssh root@106.215.91.128  
adduser anush  
usermod -aG sudo anush  
ufw app list  
^C  
webonise@webonise:~\$ ccc

```
webonise@webonise:~$ sudo apt update
```

```
[sudo] password for webonise:
```

```
Hit:1 http://in.archive.ubuntu.com/ubuntu focal InRelease  
Hit:2 http://in.archive.ubuntu.com/ubuntu focal-updates InRelease  
Hit:3 http://in.archive.ubuntu.com/ubuntu focal-backports InRelease  
Hit:4 http://dl.google.com/linux/chrome/deb stable InRelease  
Hit:5 http://apt.postgresql.org/pub/repos/apt focal-pgdg InRelease  
Get:6 http://security.ubuntu.com/ubuntu focal-security InRelease [114 kB]  
Get:8 http://security.ubuntu.com/ubuntu focal-security/main amd64 DEP-11 Metadata [27.6 kB]  
Get:9 http://security.ubuntu.com/ubuntu focal-security/universe amd64 DEP-11 Metadata [61.1 kB]  
Get:10 http://security.ubuntu.com/ubuntu focal-security/multiverse amd64 DEP-11 Metadata [2,464 B]  
Hit:7 https://packagecloud.io/slacktechnologies/slack/debian jessie InRelease  
Fetched 205 kB in 7s (27.7 kB/s)  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
17 packages can be upgraded. Run 'apt list --upgradable' to see them.  
N: Skipping acquire of configured file 'main/binary-i386/Packages' as repository  
'http://apt.postgresql.org/pub/repos/apt focal-pgdg InRelease' doesn't support architecture 'i386'  
webonise@webonise:~$ sudo ufw app list
```

Available applications:

- Apache
- Apache Full
- Apache Secure
- CUPS
- Nginx Full
- Nginx HTTP
- Nginx HTTPS

```
webonise@webonise:~$ sudo app install openssh-client
```

[sudo] password for webonise:

```
sudo: app: command not found
```

```
webonise@webonise:~$ sudo apt install openssh-client
```

Reading package lists... Done

Building dependency tree

Reading state information... Done

openssh-client is already the newest version (1:8.2p1-4ubuntu0.3).

openssh-client set to manually installed.

The following packages were automatically installed and are no longer required:

- libfprint-2-tod1 libllvm10 linux-headers-5.4.0-42
- linux-headers-5.4.0-42-generic linux-image-5.4.0-42-generic
- linux-modules-5.4.0-42-generic linux-modules-extra-5.4.0-42-generic

Use 'sudo apt autoremove' to remove them.

0 upgraded, 0 newly installed, 0 to remove and 17 not upgraded.

```
webonise@webonise:~$ sudo ufw app list
```

Available applications:

- Apache
- Apache Full
- Apache Secure
- CUPS
- Nginx Full
- Nginx HTTP
- Nginx HTTPS

```
webonise@webonise:~$ sudo apt install openssh-server
```

Reading package lists... Done

Building dependency tree

Reading state information... Done

The following packages were automatically installed and are no longer required:

- libfprint-2-tod1 libllvm10 linux-headers-5.4.0-42
- linux-headers-5.4.0-42-generic linux-image-5.4.0-42-generic
- linux-modules-5.4.0-42-generic linux-modules-extra-5.4.0-42-generic

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

- ncurses-term openssh-sftp-server ssh-import-id

Suggested packages:

molly-guard monkeysphere ssh-askpass

The following NEW packages will be installed:

  ncurses-term openssh-server openssh-sftp-server ssh-import-id

0 upgraded, 4 newly installed, 0 to remove and 17 not upgraded.

Need to get 688 kB of archives.

After this operation, 6,010 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 http://in.archive.ubuntu.com/ubuntu focal/main amd64 ncurses-term all 6.2-0ubuntu2 [249 kB]

Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 openssh-sftp-server amd64 1:8.2p1-4ubuntu0.3 [51.5 kB]

Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 openssh-server amd64 1:8.2p1-4ubuntu0.3 [377 kB]

Get:4 http://in.archive.ubuntu.com/ubuntu focal/main amd64 ssh-import-id all 5.10-0ubuntu1 [10.0 kB]

Fetched 688 kB in 0s (4,500 kB/s)

Preconfiguring packages ...

Selecting previously unselected package ncurses-term.

(Reading database ... 235625 files and directories currently installed.)

Preparing to unpack .../ncurses-term\_6.2-0ubuntu2\_all.deb ...

Unpacking ncurses-term (6.2-0ubuntu2) ...

Selecting previously unselected package openssh-sftp-server.

Preparing to unpack .../openssh-sftp-server\_1%3a8.2p1-4ubuntu0.3\_amd64.deb ...

Unpacking openssh-sftp-server (1:8.2p1-4ubuntu0.3) ...

Selecting previously unselected package openssh-server.

Preparing to unpack .../openssh-server\_1%3a8.2p1-4ubuntu0.3\_amd64.deb ...

Unpacking openssh-server (1:8.2p1-4ubuntu0.3) ...

Selecting previously unselected package ssh-import-id.

Preparing to unpack .../ssh-import-id\_5.10-0ubuntu1\_all.deb ...

Unpacking ssh-import-id (5.10-0ubuntu1) ...

Setting up openssh-sftp-server (1:8.2p1-4ubuntu0.3) ...

Setting up openssh-server (1:8.2p1-4ubuntu0.3) ...

Creating config file /etc/ssh/sshd\_config with new version

Creating SSH2 RSA key; this may take some time ...

3072 SHA256:Fo685Y09YWl3IQsbt+zMU6zr4Lw9eueHTU9Psk4Xq4 root@webonise (RSA)

Creating SSH2 ECDSA key; this may take some time ...

256 SHA256:hx/n0bqDMOWleZxFcHbvXJjSuVET9O6oKthqEl7ohPU root@webonise (ECDSA)

Creating SSH2 ED25519 key; this may take some time ...

256 SHA256:Y36Z0bKF1zg5oEWOXsIBTmAeSaILwuyeQwogrBB7kMs root@webonise (ED25519)

Created symlink /etc/systemd/system/sshd.service → /lib/systemd/system/ssh.service.

Created symlink /etc/systemd/system/multi-user.target.wants/ssh.service → /lib/s

ystemd/system/ssh.service.

rescue-ssh.target is a disabled or a static unit, not starting it.

Setting up ssh-import-id (5.10-0ubuntu1) ...

Attempting to convert /etc/ssh/ssh\_import\_id

Setting up ncurses-term (6.2-0ubuntu2) ...

Processing triggers for systemd (245.4-4ubuntu3.11) ...

Processing triggers for man-db (2.9.1-1) ...

Processing triggers for ufw (0.36-6) ...

Rules updated for profile 'Nginx HTTP'

Firewall reloaded

```
webonise@webonise:~$ sudo systemctl enable ssh
```

Synchronizing state of ssh.service with SysV service script with

/lib/systemd/systemd-sysv-install.

Executing: /lib/systemd/systemd-sysv-install enable ssh

```
webonise@webonise:~$ sudo ufw app list
```

Available applications:

Apache

Apache Full

Apache Secure

CUPS

Nginx Full

Nginx HTTP

Nginx HTTPS

OpenSSH

```
webonise@webonise:~$ sudo ufw allow ssh
```

Rule added

Rule added (v6)

```
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
```

Skipping adding existing rule

Skipping adding existing rule (v6)

```
webonise@webonise:~$ sudo ufw status
```

Status: active

To	Action	From
--	-----	-----
Nginx HTTP	ALLOW	Anywhere
22/tcp	ALLOW	Anywhere
Nginx HTTP (v6)	ALLOW	Anywhere (v6)
22/tcp (v6)	ALLOW	Anywhere (v6)

```
webonise@webonise:~$ sudo systemctl status ssh
```

● ssh.service - OpenBSD Secure Shell server

  Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: e>

  Active: active (running) since Thu 2021-09-16 18:44:28 IST; 3min 42s ago

```
Docs: man:sshd(8)
      man:sshd_config(5)
Main PID: 15071 (sshd)
  Tasks: 1 (limit: 18743)
Memory: 1.0M
CGroup: /system.slice/sshd.service
└─15071 sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups
```

```
Sep 16 18:44:28 webonise systemd[1]: Starting OpenBSD Secure Shell server...
Sep 16 18:44:28 webonise sshd[15071]: Server listening on 0.0.0.0 port 22.
Sep 16 18:44:28 webonise sshd[15071]: Server listening on :: port 22.
Sep 16 18:44:28 webonise systemd[1]: Started OpenBSD Secure Shell server.
```

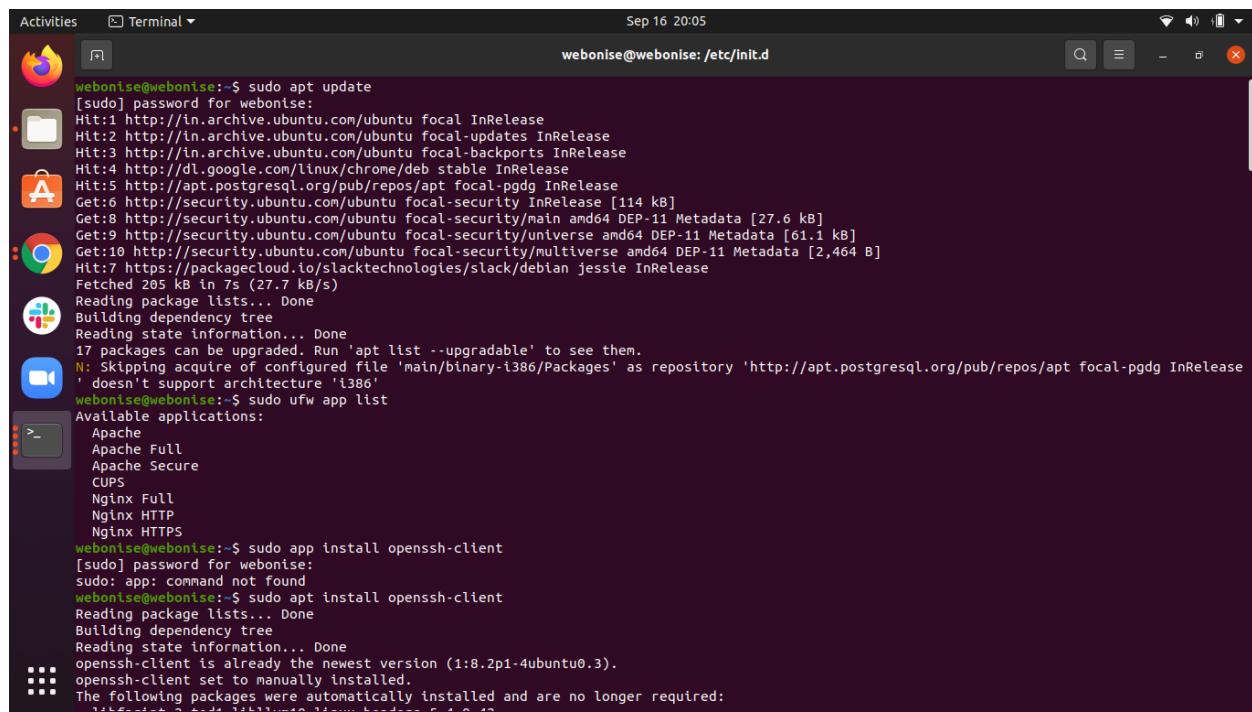
```
webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/V.*$/'
Device "eth0" does not exist.
webonise@webonise:~$ ip addr show eth1 | grep inet | awk '{ print $2; }' | sed 's/V.*$/'
Device "eth1" does not exist.
webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/V.*$/'
Device "eth0" does not exist.
webonise@webonise:~$ sudo -H gedit /etc/network/interfaces
```

```
(gedit:17350): Tepl-WARNING **: 18:56:33.703: GVfs metadata is not supported. Fallback to
TeplMetadataManager. Either GVfs is not correctly installed or GVfs metadata are not supported
on this platform. In the latter case, you should configure Tepl with --disable-gvfs-metadata.
```

```
webonise@webonise:~$ sudo /etc/init.d/networking restart
sudo: /etc/init.d/networking: command not found
webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/V.*$/'
Device "eth0" does not exist.
webonise@webonise:~$ sudo /etc/init.d/networking restart
sudo: /etc/init.d/networking: command not found
webonise@webonise:~$ which networking
webonise@webonise:~$ cd /etc/init.d
webonise@webonise:/etc/init.d$ dir
acpid          binfmt-support  grub-common    nginx
pulseaudio-enable-autospawn udev
alsa-utils      bluetooth       hwclock.sh     openvpn      rsync
anacron         console-setup.sh irqbalance     php7.4-fpm   rsyslog
unattended-upgrades
apache2          cron           kerneloops    plymouth     saned
uuidd
apache-htcacheclean cups        keyboard-setup.sh plymouth-log speech-dispatcher
whoopsie
apparmor        cups-browsed   kmmod
x11-common
```

```
apport          dbus          mysql          pppd-dns      ssh
avahi-daemon   gdm3          network-manager  procps      sysstat
webonise@webonise:/etc/init.d$ ls -lrt
total 220
-rwxr-xr-x 1 root root 1490 Feb 21 2016 postgresql
-rwxr-xr-x 1 root root 2757 Jan 20 2017 x11-common
-rwxr-xr-x 1 root root 3131 May 19 2017 kerneloops
-rwxr-xr-x 1 root root 485 Aug 11 2018 whoopsie
-rwxr-xr-x 1 root root 2401 Aug 21 2018 avahi-daemon
-rwxr-xr-x 1 root root 9138 Dec  3 2018 openvpn
-rwxr-xr-x 1 root root 1175 Jan 25 2019 binfmt-support
-rwxr-xr-x 1 root root 4579 Feb  4 2019 nginx
-rwxr-xr-x 1 root root 612 Feb  8 2019 pppd-dns
-rwxr-xr-x 1 root root 2864 Mar  7 2019 rsyslog
-rwxr-xr-x 1 root root 2055 Jul 16 2019 anacron
-rwxr-xr-x 1 root root 3809 Jul 29 2019 hwclock.sh
-rwxr-xr-x 1 root root 2484 Sep 27 2019 spice-vdagent
-rwxr-xr-x 1 root root 3152 Sep 30 2019 dbus
-rwxr-xr-x 1 root root 3033 Oct  7 2019 gdm3
-rwxr-xr-x 1 root root 4417 Oct 15 2019 rsync
-rwxr-xr-x 1 root root 5574 Nov  5 2019 alsa-utils
-rwxr-xr-x 1 root root 5607 Nov  7 2019 mysql
-rwxr-xr-x 1 root root 1479 Nov 27 2019 keyboard-setup.sh
-rwxr-xr-x 1 root root 2269 Nov 28 2019 acpid
-rwxr-xr-x 1 root root 2964 Dec  7 2019 apport
-rwxr-xr-x 1 root root 2638 Dec 13 2019 irqbalance
-rwxr-xr-x 1 root root 2035 Jan 12 2020 speech-dispatcher
-rwxr-xr-x 1 root root 2083 Jan 22 2020 ufw
-rwxr-xr-x 1 root root 3059 Feb 11 2020 cron
-rwxr-xr-x 1 root root 2224 Feb 11 2020 saned
-rwxr-xr-x 1 root root 924 Feb 14 2020 procps
-rwxr-xr-x 1 root root 2804 Feb 17 2020 cups
-rwxr-xr-x 1 root root 2044 Feb 19 2020 kmod
-rwxr-xr-x 1 root root 2968 Feb 26 2020 bluetooth
-rwxr-xr-x 1 root root 752 Mar 23 2020 plymouth-log
-rwxr-xr-x 1 root root 1366 Mar 23 2020 plymouth
-rwxr-xr-x 1 root root 1232 Mar 27 2020 console-setup.sh
-rwxr-xr-x 1 root root 3740 Apr  1 2020 apparmor
-rwxr-xr-x 1 root root 1306 Apr  2 2020 uuid
-rwxr-xr-x 1 root root 1961 Apr 10 2020 cups-browsed
-rwxr-xr-x 1 root root 1391 Apr 14 2020 unattended-upgrades
-rwxr-xr-x 1 root root 6872 Apr 22 2020 udev
-rwxr-xr-x 1 root root 1942 May 20 2020 network-manager
-rwxr-xr-x 1 root root 469 Jun  5 2020 pulseaudio-enable-autospawn
```

```
-rwxr-xr-x 1 root root 985 Jul 20 2020 grub-common
-rwxr-xr-x 1 root root 2489 Jul 5 12:41 apache-htcacheload
-rwxr-xr-x 1 root root 8181 Jul 5 12:41 apache2
-rwxr-xr-x 1 root root 3939 Jul 23 18:25 ssh
-rwxr-xr-x 1 root root 1582 Aug 9 19:38 sysstat
-rwxr-xr-x 1 root root 4294 Aug 13 11:09 php7.4-fpm
webonise@webonise:/etc/init.d$ sudo lshw -C network|grep 'logical name'
    logical name: wlp5s0
    logical name: enp0s31f6
webonise@webonise:/etc/init.d$ ip addr show enp0s31f6 | grep inet | awk '{ print $2; }' | sed
's/V.*$/'
webonise@webonise:/etc/init.d$ ip addr show wlp5s0 | grep inet | awk '{ print $2; }' | sed
's/V.*$/'
192.168.1.17
fe80::65e7:17e6:19cf:64a8
webonise@webonise:/etc/init.d$
```



The screenshot shows a terminal window titled 'Terminal' with the command line 'webonise@webonise: /etc/init.d'. The window displays a series of apt commands and their output:

- `sudo apt update`: Shows progress of hitting various repositories.
- `sudo apt install openssh-client`: Shows the command not found error for 'app' and the successful installation of 'openssh-client'.
- `sudo ufw app list`: Shows available applications: Apache, Apache Full, Apache Secure, CUPS, Nginx Full, Nginx HTTP, Nginx HTTPS.
- `sudo apt install openssh-client`: Shows the package is already the newest version and is set to manually installed.
- `aptitude --reinstall install openssh-client`: Shows the package is already the newest version and is set to manually installed.

Activities Terminal Sep 16 20:05 webonise@webonise: /etc/init.d

```
linux-modules-5.4.0-42-generic linux-modules-extra-5.4.0-42-generic
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 17 not upgraded.
webonise@webonise:~$ ssh root@106.215.91.128
^C
webonise@webonise:~$ ssh webonise@106.215.91.128
^C
webonise@webonise:~$ sudo ufw app list
Available applications:
Apache
Apache Full
Apache Secure
CUPS
Nginx Full
Nginx HTTP
Nginx HTTPS
webonise@webonise:~$ sudo systemctl enable ssh
Failed to enable unit: Unit file ssh.service does not exist.
webonise@webonise:~$ sudo apt install openssh-server
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libfbprint-2-tod1 liblommv10 linux-headers-5.4.0-42
  linux-headers-5.4.0-42-generic linux-image-5.4.0-42-generic
  linux-modules-5.4.0-42-generic linux-modules-extra-5.4.0-42-generic
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  ncurses-term openssh-sftp-server ssh-import-id
Suggested packages:
  molly-guard monkeysphere ssh-askpass
The following NEW packages will be installed:
  ncurses-term openssh-server openssh-sftp-server ssh-import-id
0 upgraded, 4 newly installed, 0 to remove and 17 not upgraded.
Need to get 688 kB of archives.
After this operation, 6,010 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get: http://in.archive.ubuntu.com/ubuntu focal/main amd64 ncurses-term all 6.2-0ubuntu2 [249 kB]
```

```
Activities Terminal Sep 16 20:06
[webonise@webonise: /etc/init.d] Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu focal/main amd64 ncurses-term all 6.2-0ubuntu2 [249 kB]
Get:2 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 openssh-sftp-server amd64 1:8.2p1-4ubuntu0.3 [51.5 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu focal-updates/main amd64 openssh-server amd64 1:8.2p1-4ubuntu0.3 [377 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu focal/main amd64 ssh-import-id all 5.10-0ubuntu1 [10.0 kB]
Fetched 688 kB in 0s (4,500 kB/s)
Preconfiguring packages ...
Selecting previously unselected package ncurses-term.
(Reading database ... 235625 files and directories currently installed.)
Preparing to unpack .../ncurses-term_6.2-0ubuntu2_all.deb ...
Unpacking ncurses-term (6.2-0ubuntu2) ...
Selecting previously unselected package openssh-sftp-server.
Preparing to unpack .../openssh-sftp-server_1%3a8.2p1-4ubuntu0.3_amd64.deb ...
Unpacking openssh-sftp-server (1:8.2p1-4ubuntu0.3) ...
Selecting previously unselected package openssh-server.
Preparing to unpack .../openssh-server_1%3a8.2p1-4ubuntu0.3_amd64.deb ...
Unpacking openssh-server (1:8.2p1-4ubuntu0.3) ...
Selecting previously unselected package ssh-import-id.
Preparing to unpack .../ssh-import-id_5.10-0ubuntu1_all.deb ...
Unpacking ssh-import-id (5.10-0ubuntu1) ...
Setting up openssh-sftp-server (1:8.2p1-4ubuntu0.3) ...
Setting up openssh-server (1:8.2p1-4ubuntu0.3) ...

Creating config file /etc/ssh/sshd_config with new version
Creating SSH2 RSA key; this may take some time ...
3072 SHA256:Fo085V09Wl3lQsb+ZtU6zr4Lw9ueHtU9Psk4Xq4 root@webonise (RSA)
Creating SSH2 ECDSA key; this may take some time ...
256 SHA256:hx/0NbqDMOWIEzXFcHbvXjSuVET906KthqGl7ohPU root@webonise (ECDSA)
Creating SSH2 ED25519 key; this may take some time ...
256 SHA256:Y36ZobKF1zg5oEW0xsIBTmAeSa1lwuyaQwogrB7KMs root@webonise (ED25519)
Created symlink /etc/systemd/system/sshd.service → /lib/systemd/system/ssh.service.
Created symlink /etc/systemd/system/multi-user.target.wants/ssh.service → /lib/systemd/system/ssh.service.
rescue-ssh.target is a disabled or a static unit, not starting it.
Setting up ssh-import-id (5.10-0ubuntu1) ...
Attempting to convert /etc/ssh/ssh_import_id
Setting up ncurses-term (6.2-0ubuntu2) ...
```

```
Activities Terminal Sep 16 20:06
webonise@webonise: /etc/init.d

Processing triggers for ufw (0.36-6) ...
Rules updated for profile 'Nginx HTTP'
Firewall reloaded
webonise@webonise:~$ sudo systemctl enable ssh
Synchronizing state of ssh.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable ssh
webonise@webonise:~$ sudo ufw app list
Available applications:
 Apache
 Apache Full
 Apache Secure
 CUPS
 Nginx Full
 Nginx HTTP
 Nginx HTTPS
 OpenSSH
webonise@webonise:~$ sudo ufw allow ssh
Rule added
Rule added (v6)
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
Skipping adding existing rule
Skipping adding existing rule (v6)
webonise@webonise:~$ sudo ufw status
Status: active

To          Action    From
--          ----     ---
Nginx HTTP      ALLOW    Anywhere
22/tcp        ALLOW    Anywhere
Nginx HTTP (v6)  ALLOW    Anywhere (v6)
22/tcp (v6)    ALLOW    Anywhere (v6)

webonise@webonise:~$ sudo systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2021-09-16 18:44:28 IST; 3min 42s ago
     Docs: man:sshd(8)
           man:sshd_config(5)
           Main PID: 15071 (sshd)
             Tasks: 1 (limit: 18743)
            Memory: 1.0M
           CGroup: /system.slice/ssh.service
                   └─15071 sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups

Sep 16 18:44:28 webonise systemd[1]: Starting OpenBSD Secure Shell server...
Sep 16 18:44:28 webonise sshd[15071]: Server listening on 0.0.0.0 port 22.
Sep 16 18:44:28 webonise sshd[15071]: Server listening on :: port 22.
Sep 16 18:44:28 webonise systemd[1]: Started OpenBSD Secure Shell server.

webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2 }' | sed 's/\./.*$/'
Device "eth0" does not exist.
webonise@webonise:~$ ip addr show eth1 | grep inet | awk '{ print $2 }' | sed 's/\./.*$/'
Device "eth1" does not exist.
webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2 }' | sed 's/\./.*$/'
Device "eth0" does not exist.
webonise@webonise:~$ sudo -H gedit /etc/network/interfaces

(gedit:17350): Tepl-WARNING **: 18:56:33.703: GVfs metadata is not supported. Fallback to TeplMetadataManager. Either GVfs is not correctly installed or GVfs metadata are not supported on this platform. In the latter case, you should configure Tepl with --disable-gvfs-metadata.
webonise@webonise:~$ sudo /etc/init.d/networking restart
sudo: /etc/init.d/networking: command not found
webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2 }' | sed 's/\./.*$/'
Device "eth0" does not exist.
webonise@webonise:~$ sudo /etc/init.d/networking restart
sudo: /etc/init.d/networking: command not found
webonise@webonise:~$ which networking
```

```
Activities Terminal Sep 16 20:06
webonise@webonise: /etc/init.d

22/tcp      ALLOW    Anywhere
Nginx HTTP (v6)  ALLOW    Anywhere (v6)
22/tcp (v6)    ALLOW    Anywhere (v6)

webonise@webonise:~$ sudo systemctl status ssh
● ssh.service - OpenBSD Secure Shell server
   Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
   Active: active (running) since Thu 2021-09-16 18:44:28 IST; 3min 42s ago
     Docs: man:sshd(8)
           man:sshd_config(5)
           Main PID: 15071 (sshd)
             Tasks: 1 (limit: 18743)
            Memory: 1.0M
           CGroup: /system.slice/ssh.service
                   └─15071 sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups

Sep 16 18:44:28 webonise systemd[1]: Starting OpenBSD Secure Shell server...
Sep 16 18:44:28 webonise sshd[15071]: Server listening on 0.0.0.0 port 22.
Sep 16 18:44:28 webonise sshd[15071]: Server listening on :: port 22.
Sep 16 18:44:28 webonise systemd[1]: Started OpenBSD Secure Shell server.

webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2 }' | sed 's/\./.*$/'
Device "eth0" does not exist.
webonise@webonise:~$ ip addr show eth1 | grep inet | awk '{ print $2 }' | sed 's/\./.*$/'
Device "eth1" does not exist.
webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2 }' | sed 's/\./.*$/'
Device "eth0" does not exist.
webonise@webonise:~$ sudo -H gedit /etc/network/interfaces

(gedit:17350): Tepl-WARNING **: 18:56:33.703: GVfs metadata is not supported. Fallback to TeplMetadataManager. Either GVfs is not correctly installed or GVfs metadata are not supported on this platform. In the latter case, you should configure Tepl with --disable-gvfs-metadata.
webonise@webonise:~$ sudo /etc/init.d/networking restart
sudo: /etc/init.d/networking: command not found
webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2 }' | sed 's/\./.*$/'
Device "eth0" does not exist.
webonise@webonise:~$ sudo /etc/init.d/networking restart
sudo: /etc/init.d/networking: command not found
webonise@webonise:~$ which networking
```

```
Activities Terminal Sep 16 20:06
Device "eth1" does not exist.
webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/\//.*$/'
Device "eth0" does not exist.
webonise@webonise:~$ sudo -H gedit /etc/network/interfaces

(gedit:17350): Tepl-WARNING **: 18:56:33.703: GVfs metadata is not supported. Fallback to TeplMetadataManager. Either GVfs is not correctly installed or GVfs metadata are not supported on this platform. In the latter case, you should configure Tepl with --disable-gvfs-metadata.
webonise@webonise:~$ sudo /etc/init.d/networking restart
sudo: /etc/init.d/networking: command not found
webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/\//.*$/'
Device "eth0" does not exist.
webonise@webonise:~$ sudo /etc/init.d/networking restart
sudo: /etc/init.d/networking: command not found
webonise@webonise:~$ which networking
webonise@webonise:~$ cd /etc/init.d
webonise@webonise:/etc/init.d$ dir
acpid           binfmt-support    grub-common      nginx          pulseaudio-enable-autospawn  udev
alsa-utils      bluetooth        hwclock.sh     openvpn        rsync             ufw
anacron         console-setup.sh  irqbalance     php7.4-fpm    rsyslog          unattended-upgrades
apache2          cron            kerneloops    Plymouth       saned             uuid
apache-htcacheclean  cups           keyboard-setup.sh  Plymouth-log  speech-dispatcher   whoopsie
apparmor        cups-browsed    kmod           postgresql    spice-vdagent    x11-common
apport          dbus            mysql          pppd-dns      ssh
avahi-daemon    gdm3           network-manager  procps        sysstat
webonise@webonise:/etc/init.d$ ls -lrt
total 220
-rwxr-xr-x 1 root root 1490 Feb 21 2016 postgresql
-rwxr-xr-x 1 root root 2757 Jan 20 2017 x11-common
-rwxr-xr-x 1 root root 3131 May 19 2017 kerneloops
-rwxr-xr-x 1 root root 485 Aug 11 2018 whoopsie
-rwxr-xr-x 1 root root 2401 Aug 21 2018 avahi-daemon
-rwxr-xr-x 1 root root 9138 Dec 3 2018 openvpn
-rwxr-xr-x 1 root root 1175 Jan 25 2019 binfmt-support
-rwxr-xr-x 1 root root 4579 Feb 4 2019 nginx
-rwxr-xr-x 1 root root 612 Feb 8 2019 pppd-dns
-rwxr-xr-x 1 root root 2864 Mar 7 2019 rsyslog
-rwxr-xr-x 1 root root 2055 Jul 16 2019 anacron
-rwxr-xr-x 1 root root 3809 Jul 29 2019 hwclock.sh
-rwxr-xr-x 1 root root 2301 Oct 27 2019 apport
-rwxr-xr-x 1 root root 2964 Dec 7 2019 apport
-rwxr-xr-x 1 root root 2638 Dec 13 2019 irqbalance
-rwxr-xr-x 1 root root 2035 Jan 12 2020 speech-dispatcher
-rwxr-xr-x 1 root root 2083 Jan 22 2020 ufw
-rwxr-xr-x 1 root root 3059 Feb 11 2020 cron
-rwxr-xr-x 1 root root 2224 Feb 11 2020 saned
-rwxr-xr-x 1 root root 924 Feb 14 2020 procps
-rwxr-xr-x 1 root root 2804 Feb 17 2020 cups
-rwxr-xr-x 1 root root 2044 Feb 19 2020 kmod
-rwxr-xr-x 1 root root 2968 Feb 26 2020 bluetooth
-rwxr-xr-x 1 root root 752 Mar 23 2020 Plymouth-log
-rwxr-xr-x 1 root root 1360 Mar 23 2020 Plymouth
-rwxr-xr-x 1 root root 1232 Mar 27 2020 console-setup.sh
-rwxr-xr-x 1 root root 3740 Apr 1 2020 apparmor
-rwxr-xr-x 1 root root 1306 Apr 2 2020 uidd
-rwxr-xr-x 1 root root 1961 Apr 10 2020 cups-browsed
-rwxr-xr-x 1 root root 1391 Apr 14 2020 unattended-upgrades
-rwxr-xr-x 1 root root 6872 Apr 22 2020 udev
-rwxr-xr-x 1 root root 1942 May 20 2020 network-manager
-rwxr-xr-x 1 root root 469 Jun 5 2020 pulseaudio-enable-autospawn
-rwxr-xr-x 1 root root 985 Jul 20 2020 grub-common
-rwxr-xr-x 1 root root 2489 Jul 5 12:41 apache-htcacheclean
-rwxr-xr-x 1 root root 8181 Jul 5 12:41 apache2
-rwxr-xr-x 1 root root 3939 Jul 23 18:25 ssh
-rwxr-xr-x 1 root root 1582 Aug 9 19:38 sysstat
-rwxr-xr-x 1 root root 4294 Aug 13 11:09 php7.4-fpm
webonise@webonise:/etc/init.d$ sudo lshw -C network|grep 'logical name'
    logical name: wlp5s0
    logical name: enp0s31f6
webonise@webonise:/etc/init.d$ ip addr show enp0s31f6 | grep inet | awk '{ print $2; }' | sed 's/\//.*$/'
webonise@webonise:/etc/init.d$ ip addr show wlp5s0 | grep inet | awk '{ print $2; }' | sed 's/\//.*$/'
192.168.1.17
fe80::65e7:17e6:19cf:64a8
webonise@webonise:/etc/init.d$
```

```
Activities Terminal Sep 16 20:06
webonise@webonise:~$ sudo mkdir var/www/anushtry
```

[sudo] password for webonise:

mkdir: cannot create directory 'var/www/anushtry': No such file or directory

webonise@webonise:~\$ sudo mkdir/ var/www/anushtry

sudo: mkdir/: command not found

webonise@webonise:~\$ sudo mkdir /var/www/anushtry

webonise@webonise:~\$ sudo chown -R \$USER:\$USER /var/www/anushtry

webonise@webonise:~\$ sudo nano /etc/nginx/sites-available/anushtry

webonise@webonise:~\$ sudo ln -s /etc/nginx/sites-available/anushtry /etc/nginx/sites-enabled/

webonise@webonise:~\$ sudo unlink /etc/nginx/sites-enabled/default

webonise@webonise:~\$ sudo nginx -t

nginx: [emerg] unknown directive "http://192.168.1.17" in /etc/nginx/sites-enabled/anushtry:3

nginx: configuration file /etc/nginx/nginx.conf test failed

webonise@webonise:~\$ sudo chown -R \$USER:webonise /var/www/anushtry

webonise@webonise:~\$ sudo nginx -t

nginx: [emerg] unknown directive "http://192.168.1.17" in /etc/nginx/sites-enabled/anushtry:3

nginx: configuration file /etc/nginx/nginx.conf test failed

webonise@webonise:~\$ sudo unlink /etc/nginx/sites-enabled/default

unlink: cannot unlink '/etc/nginx/sites-enabled/default': No such file or directory

webonise@webonise:~\$ sudo nano /etc/nginx/sites-available/anushtry

webonise@webonise:~\$ sudo ln -s /etc/nginx/sites-available/anushtry /etc/nginx/sites-enabled/

In: failed to create symbolic link '/etc/nginx/sites-enabled/anushtry': File exists

webonise@webonise:~\$ pwd

/home/webonise

webonise@webonise:~\$ cd /etc

webonise@webonise:/etc\$ ls

acpi	dconf	hostid	magic	popularity-contest.conf
subgid				
adduser.conf	debconf.conf	hostname	magic.mime	postgresql
subgid-				
alsa	debian_version	hosts	mailcap	postgresql-common
subuid				
alternatives	default	hosts.allow	mailcap.order	ppp
subuid-				
anacrontab	deluser.conf	hosts.deny	manpath.config	profile
sudoers				
apache2	depmod.d	hp	mecabrc	profile.d
sudoers.d				
apg.conf	dhcp	ifplugged	mime.types	protocols
sysctl.conf				
apm	dictionaries-common	init	mke2fs.conf	pulse
sysctl.d				
apparmor	dpkg	init.d	modprobe.d	python3
sysstat				

apparmor.d	e2scrub.conf	initramfs-tools	modules	python3.8		
systemd						
apport	emacs	inputrc	modules-load.d	rc0.d		
terminfo						
appstream.conf	environment	insserv.conf.d	mtab	rc1.d		
thermald						
apt	environment.d	iproute2	mtools.conf	rc2.d		
thunderbird						
avahi	ethertypes	issue	mysql	rc3.d	timezone	
bash.bashrc	firefox	issue.net	nanorc	rc4.d		
tmpfiles.d						
bash_completion	fonts	kernel	netplan	rc5.d		
ubuntu-advantage						
bash_completion.d	fprintd.conf	kernel-img.conf	network	rc6.d		
ucf.conf						
bindresvport.blacklist	fstab	kerneloops.conf	networkd-dispatcher	rcS.d		
udev						
binfmt.d	fuse.conf	ldap	NetworkManager	resolv.conf		
udisks2						
bluetooth	fwupd	ld.so.cache	networks	rmt	ufw	
brlapi.key	gai.conf	ld.so.conf	newt	rpc		
update-manager						
brltty	gamemode.ini	ld.so.conf.d	nginx	rsyslog.conf		
update-motd.d						
brltty.conf	gdb	legal	nsswitch.conf	rsyslog.d		
update-notifier						
ca-certificates	gdm3	libao.conf	openvpn	rygel.conf		
UPower						
ca-certificates.conf	geoclue	libaudit.conf	opt	sane.d		
usb_modeswitch.conf						
ca-certificates.conf.dpkg-old	ghostscript	libblockdev	os-release	security		
usb_modeswitch.d						
calendar	glvnd	libnl-3	PackageKit	selinux	vim	
chatscripts	gnome	libpaper.d	pam.conf	sensors3.conf		
vtrgb						
console-setup	groff	libreoffice	pam.d	sensors.d	vulkan	
cracklib	group	locale.alias	papersize	services	wgetrc	
cron.d	group-	locale.gen	passwd	sgml		
wpa_supplicant						
cron.daily	grub.d	localtime	passwd-	shadow	X11	
cron.hourly	gshadow	logcheck	pcmcia	shadow-		
xattr.conf						
cron.monthly	gshadow-	login.defs	perl	shells	xdg	
crontab	gss	logrotate.conf	php	skel	xml	

```
cron.weekly          gtk-2.0        logrotate.d   pki          snmp
zsh_command_not_found
cups                 gtk-3.0        lsb-release   pm           speech-dispatcher
cupshelpers         hparm.conf    ltrace.conf   ppm2ppa.conf ssh
dbus-1              host.conf    machine-id   polkit-1     ssl
webonise@webonise:/etc$ cd nginx
webonise@webonise:/etc/nginx$ ls
conf.d      fastcgi_params koi-win   modules-available nginx.conf  scgi_params
sites-enabled uwsgi_params
fastcgi.conf koi-utf      mime.types  modules-enabled  proxy_params sites-available
snippets     win-utf
webonise@webonise:/etc/nginx$ cd sites-enabled
webonise@webonise:/etc/nginx/sites-enabled$ ls
anushtry
webonise@webonise:/etc/nginx/sites-enabled$ rm anushtry
rm: cannot remove 'anushtry': Permission denied
webonise@webonise:/etc/nginx/sites-enabled$ sudo rm anushtry
webonise@webonise:/etc/nginx/sites-enabled$ ls
webonise@webonise:/etc/nginx/sites-enabled$ cd ..
webonise@webonise:/etc/nginx$ ls
conf.d      fastcgi_params koi-win   modules-available nginx.conf  scgi_params
sites-enabled uwsgi_params
fastcgi.conf koi-utf      mime.types  modules-enabled  proxy_params sites-available
snippets     win-utf
webonise@webonise:/etc/nginx$ cd sites-enabled
webonise@webonise:/etc/nginx/sites-enabled$ ls
webonise@webonise:/etc/nginx/sites-enabled$ sudo nano /etc/nginx/sites-available/anushtry
webonise@webonise:/etc/nginx/sites-enabled$ cd sites-enabled
bash: cd: sites-enabled: No such file or directory
webonise@webonise:/etc/nginx/sites-enabled$ ls
webonise@webonise:/etc/nginx/sites-enabled$ rm anushtry
```

Activities Terminal Sep 17 00:09

```
webonise@webonise:~$ sudo mkdir var/www/anushtry
[sudo] password for webonise:
mkdir: cannot create directory 'var/www/anushtry': No such file or directory
webonise@webonise:~$ sudo mkdir /var/www/anushtry
sudo: mkdir/: command not found
webonise@webonise:~$ sudo chown -R $USER:$USER /var/www/anushtry
webonise@webonise:~$ sudo nano /etc/nginx/sites-available/anushtry
webonise@webonise:~$ sudo ln -s /etc/nginx/sites-available/anushtry /etc/nginx/sites-enabled/
webonise@webonise:~$ sudo unlink /etc/nginx/sites-enabled/default
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ sudo chown -R $USER:webonise /var/www/anushtry
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ sudo unlink /etc/nginx/sites-enabled/default
webonise@webonise:~$ sudo nano /etc/nginx/sites-available/anushtry
webonise@webonise:~$ sudo ln -s /etc/nginx/sites-available/anushtry /etc/nginx/sites-enabled/
ln: failed to create symbolic link '/etc/nginx/sites-enabled/anushtry': File exists
webonise@webonise:~$ pwd
/home/webonise
webonise@webonise:~$ cd /etc
webonise@webonise:/etc$ ls
acpi          dconf        hostid      magic      popularity-contest.conf  subgid
adduser.conf  debconf.conf hostname    magic.mime postgresql      subgid-
alsa          debian_version hosts       mailcap    postgresql-common  subuid
alternatives   default      hosts.allow mailcap.order ppp           subuid-
anacrontab    deluser.conf  hosts.deny  mailpath.config profile      sudoers
apache2        depmod.d     hp          mecabrc  protocols      sudoers.d
apg.conf       dhcp         ifplugd    mime.types mke2fs.conf    protocols
apm           dictionaries-common init       modprobe.d pulse        sysctl.conf
apparmor       dpkg         init.d     modules   python3      sysctl.d
apparmor.d     e2scrub.conf intramfs-tools modules-load.d rc0.d      sysstat
apport         emacs        inputrc    modules-load.d rc1.d      systemd
appstream.conf environment  inserv.conf.d  mtab       rc1.d      terminfo
apt           fonts        issue.net  nanorc    rc4.d      thermald
avahi          fprintd.conf kernel     netplan   rc5.d      ubuntu-advantage
bash.bashrc    fstab        ld.so.cache networks  networkd-dispatcher resolv.conf
bash_completion.d fuse.conf   ld.so.conf  newt      networks   rmt
bindresport.blacklist fwupd       ld.so.conf.d  nginx     rpc       ucf.conf
binfmt.d      gai.conf    libaudit.conf opt      rsyslog.conf update-manager
bluetooth     gamemode.ini libblockdev os-release rygel.conf  update-motd.d
brlapl.key    gdb          libao.conf  openvpn   sane.d    update-notifier
brlty.conf    geoclue     libpaper.d  PackageKit rygel.conf UPower
ca-certificates gdm3        libreoffice pam.conf  security  usb_modeswitch.conf
ca-certificates.conf ghostscript libblkdev   os-release selinux   vim
ca-certificates.conf.dpkg-old grub.d      locale.alias pam.d    sensors3.conf vtrgb
calendar      gnome       libreoffice pam.conf  sensors.d vulkan
chatscripts   groff      libpaper.d  pam.size  services  wgerc
console-setup group      libreoffice pam.d    shells    wpa_supplicant
cracklib     group      locale.gen   passwd   shadow    X11
cron.d        grub.d      logcheck    perl     shadow-  xattr.conf
cron.daily    gshadow    login.defs  php      shells    xdg
cron.hourly   gshadow    logrotate.conf skel     smmp     xml
cron.monthly  gss         logrotate.d pki      zsh_command_not_found
```

Activities Terminal Sep 17 00:09

```
webonise@webonise:~$ cd /etc
webonise@webonise:/etc$ ls
acpt          dconf        hostid      magic      popularity-contest.conf  subgid
adduser.conf  debconf.conf hostname    magic.mime postgresql      subgid-
alsa          debian_version hosts       mailcap    postgresql-common  subuid
alternatives   default      hosts.allow mailcap.order ppp           subuid-
anacrontab    deluser.conf  hosts.deny  mailpath.config profile      sudoers
apache2        depmod.d     hp          mecabrc  protocols      sudoers.d
apg.conf       dhcp         ifplugd    mime.types mke2fs.conf    protocols
apm           dictionaries-common init       modprobe.d pulse        sysctl.conf
apparmor       dpkg         init.d     modules   python3      sysctl.d
apparmor.d     e2scrub.conf intramfs-tools modules-load.d rc0.d      sysstat
apport         emacs        inputrc    modules-load.d rc1.d      systemd
appstream.conf environment  inserv.conf.d  mtab       rc1.d      terminfo
apt           fonts        issue.net  nanorc    rc4.d      thermald
avahi          fprintd.conf kernel     netplan   rc5.d      ubuntu-advantage
bash.bashrc    fstab        ld.so.cache networks  networkd-dispatcher resolv.conf
bash_completion.d fuse.conf   ld.so.conf  newt      networks   rmt
bindresport.blacklist fwupd       ld.so.conf.d  nginx     rpc       ucf.conf
binfmt.d      gai.conf    libaudit.conf opt      rsyslog.conf update-manager
bluetooth     gamemode.ini libblockdev os-release rygel.conf  update-motd.d
brlapl.key    gdb          libpaper.d  PackageKit rygel.conf UPower
brlty.conf    geoclue     libreoffice pam.conf  security  usb_modeswitch.conf
ca-certificates gdm3        libreoffice pam.d    shells    vtrgb
ca-certificates.conf ghostscript libblkdev   os-release selinux   vulkan
ca-certificates.conf.dpkg-old grub.d      locale.alias pam.size  services  wgerc
calendar      gnome       libpaper.d  pam.conf  shells    wpa_supplicant
chatscripts   groff      libreoffice pam.d    shadow    X11
console-setup group      libpaper.d  passwd   shadow-  xattr.conf
cracklib     group      locale.gen   passwd   shells    xdg
cron.d        grub.d      logcheck    perl     shells    smmp
cron.daily    gshadow    login.defs  php      skel     xml
cron.hourly   gshadow    logrotate.conf pki      zsh_command_not_found
```

```

Activities Terminal Sep 17 00:09
[webonise@webonise: /etc/nginx/sites-enabled]
ca-certificates gdm3 libao.conf openvpn rygel.conf UPower
ca-certificates.conf geoclue libaudit.conf opt sane.d usb_modeswitch.conf
ca-certificates.conf.dpkg-old ghostscript libblockdev os-release security usb_modeswitch.d
calendar glvnd libnl-3 PackageKit selinux
chatscripts gnome libpaper.d pam.conf sensors3.conf
console-setup groff libreoffice pam.d sensors.d
cracklib group locale.alias papersize services
cron.d group- locale.gen passwd sgml
cron.daily grub.d localtime passwd- shadow
cron.hourly gshadow logcheck pcmcia shadow-
cron.monthly gshadow- login.defs perl shells
cron.weekly gss logrotate.conf php skel
crons gtk-2.0 logrotate.d pki snmp
cups gtk-3.0 lsb-release ltrace.conf pm speech-dispatcher
cupshelpers hdparm.conf machine-id pm2ppa.conf ssh
dbus-1 host.conf polkit-1 ssl
[webonise@webonise:/etc/nginx]$ cd nginx
[webonise@webonise:/etc/nginx]$ ls
conf.d fastcgi_params koi-win modules-available nginx.conf scgi_params sites-enabled uwsgi_params
fastcgi.conf koi-utf mime.types modules-enabled proxy_params sites-available snippets win-utf
[webonise@webonise:/etc/nginx]$ cd sites-enabled
[webonise@webonise:/etc/nginx/sites-enabled]$ ls
anushtry
[webonise@webonise:/etc/nginx/sites-enabled]$ rm anushtry
rm: cannot remove 'anushtry': Permission denied
[webonise@webonise:/etc/nginx/sites-enabled]$ sudo rm anushtry
[webonise@webonise:/etc/nginx/sites-enabled]$ ls
[webonise@webonise:/etc/nginx/sites-enabled]$ cd ..
[webonise@webonise:/etc/nginx]$ ls
conf.d fastcgi_params koi-win modules-available nginx.conf scgi_params sites-enabled uwsgi_params
fastcgi.conf koi-utf mime.types modules-enabled proxy_params sites-available snippets win-utf
[webonise@webonise:/etc/nginx]$ cd sites-enabled
[webonise@webonise:/etc/nginx/sites-enabled]$ ls
[webonise@webonise:/etc/nginx/sites-enabled]$ sudo nano /etc/nginx/sites-available/anushtry
[webonise@webonise:/etc/nginx/sites-enabled]$ cd sites-enabled
bash: cd: sites-enabled: No such file or directory
[webonise@webonise:/etc/nginx/sites-enabled]$ ls
[webonise@webonise:/etc/nginx/sites-enabled]$ rm anushtry

```

**webonise@webonise:~\$ php -v**

PHP 7.4.3 (cli) (built: Aug 13 2021 05:39:12) ( NTS )  
 Copyright (c) The PHP Group  
 Zend Engine v3.4.0, Copyright (c) Zend Technologies  
 with Zend OPcache v7.4.3, Copyright (c), by Zend Technologies

**webonise@webonise:~\$ sudo service php7.4-fpm status**

- php7.4-fpm.service - The PHP 7.4 FastCGI Process Manager
 

Loaded: loaded (/lib/systemd/system/php7.4-fpm.service; enabled; vendor preset: enabled)  
 Active: active (running) since Thu 2021-09-16 19:36:40 IST; 3h 43min ago  
 Docs: man:php-fpm7.4(8)  
 Process: 21968 ExecStartPost=/usr/lib/php/php-fpm-socket-helper install /run/php/php-fpm.sock /etc/php/7.4/fpm/pool.d/www.conf 74 (code=e>  
 Main PID: 21965 (php-fpm7.4)  
 Status: "Processes active: 0, idle: 2, Requests: 0, slow: 0, Traffic: 0req/sec"  
 Tasks: 3 (limit: 18743)  
 Memory: 10.4M  
 CGroup: /system.slice/php7.4-fpm.service
 ├─21965 php-fpm: master process (/etc/php/7.4/fpm/php-fpm.conf)
 ├─21966 php-fpm: pool www
 └─21967 php-fpm: pool www

Sep 16 19:36:40 webonise systemd[1]: Starting The PHP 7.4 FastCGI Process Manager...

Sep 16 19:36:40 webonise systemd[1]: Started The PHP 7.4 FastCGI Process Manager.

```

Activities Terminal Sep 17 00:10
webonise@webonise: ~
php-fpm is already the newest version (2:7.4+75).
The following packages were automatically installed and are no longer required:
libfprint-2-todl liblomm10 linux-headers-5.4.0-42 linux-headers-5.4.0-42-generic linux-image-5.4.0-42-generic
linux-modules-5.4.0-42-generic linux-modules-extra-5.4.0-42-generic
0 upgraded, 0 newly installed, 0 to remove and 18 not upgraded.
Use 'sudo apt autoremove' to remove them.
webonise@webonise:~$ sudo service php7.2-fpm status
Unit php7.2-fpm.service could not be found.
webonise@webonise:~$ php -v
PHP 7.4.3 (cli) (built: Aug 13 2021 05:39:12) ( NTS )
Copyright (c) The PHP Group
Zend Engine v3.4.0, Copyright (c) Zend Technologies
    with Zend OPcache v7.4.3, Copyright (c), by Zend Technologies
webonise@webonise:~$ sudo service php7.4-fpm status
● php7.4-fpm.service - The PHP 7.4 FastCGI Process Manager
   Loaded: loaded (/lib/systemd/system/php7.4-fpm.service; enabled; vendor preset: enabled)
     Active: active (running) since Thu 2021-09-16 19:36:40 IST; 3h 43min ago
       Docs: man:php-fpm(7)
   Main PID: 21968 ExecStartPost=/usr/lib/php/php-fpm-socket-helper install /run/php/php-fpm.sock /etc/php/7.4/fpm/pool.d/www.conf 74 (code=exited, pid=21968)
      Status: "Processes active: 0, idle: 2, Requests: 0, slow: 0, Traffic: 0req/sec"
     Tasks: 3 (limit: 18743)
    Memory: 10.4M
      CGroup: /system.slice/php7.4-fpm.service
              ├─21965 php-fpm: master process (/etc/php/7.4/fpm/php-fpm.conf)
              ├─21966 php-fpm: pool www
              └─21967 php-fpm: pool www

Sep 16 19:36:40 webonise systemd[1]: Starting The PHP 7.4 FastCGI Process Manager...
Sep 16 19:36:40 webonise systemd[1]: Started The PHP 7.4 FastCGI Process Manager.

webonise@webonise:~$ 1: command not found
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17/" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ 

```

```
webonise@webonise:~$ sudo ufw status
```

[sudo] password for webonise:

Status: active

To	Action	From
--	-----	----
Nginx HTTP	ALLOW	Anywhere
22/tcp	ALLOW	Anywhere
Nginx HTTP (v6)	ALLOW	Anywhere (v6)
22/tcp (v6)	ALLOW	Anywhere (v6)

```
webonise@webonise:~$ curl -4 ianahazip.com
```

106.215.91.128

```
webonise@webonise:~$
```

```
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
```

Skipping adding existing rule

Skipping adding existing rule (v6)

```
webonise@webonise:~$ sudo ufw status
```

Status: active

To	Action	From
--	-----	----
Nginx HTTP	ALLOW	Anywhere

```
22/tcp          ALLOW      Anywhere
Nginx HTTP (v6)    ALLOW      Anywhere (v6)
22/tcp (v6)     ALLOW      Anywhere (v6)
```

```
webonise@webonise:~$ sudo mysql
```

```
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 19
Server version: 8.0.26-0ubuntu0.20.04.2 (Ubuntu)

Copyright (c) 2000, 2021, Oracle and/or its affiliates.
```

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Type 'help;' or '\h' for help. Type 'c' to clear the current input statement.

```
mysql> show databases
```

```
-> ;
+-----+
| Database      |
+-----+
| employees      |
| information_schema |
| mysql          |
| performance_schema |
| sys            |
+-----+
5 rows in set (0.01 sec)
```

```
mysql> SELECT user, authentication_string, plugin , host FROM mysql.user;
```

```
+-----+-----+-----+
| user      | authentication_string           | plugin      | host      |
+-----+-----+-----+
| debian-sys-maint | $A$005$r:@(@sp\R/:un
                           ZA17mJ9c0xbqe2hzzbSa4diYvffFEBH.kYwMSgiSfwI5 |
| caching_sha2_password | localhost |
| mysql.infoschema |
$A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEU
SED | caching_sha2_password | localhost |
```

```

| mysql.session   |
$A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEU
SED | caching_sha2_password | localhost |
| mysql.sys      |
$A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEU
SED | caching_sha2_password | localhost |
| root          |                               | auth_socket    | localhost |
+-----+-----+-----+
---+
5 rows in set (0.00 sec)

```

```

mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY
'mypassword';
Query OK, 0 rows affected (0.17 sec)

```

```

mysql> 1
-> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY
'mypassword';
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near '1
ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'mypass' at line
1
mysql> flush privileges;
Query OK, 0 rows affected (0.07 sec)

```

```

mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY
'mypassword';
Query OK, 0 rows affected (0.11 sec)

```

```

mysql> SELECT user, authentication_string, plugin , host FROM mysql.user;
+-----+-----+-----+
| user      | authentication_string           | plugin     | host   |
+-----+-----+-----+
---+
| debian-sys-maint | $A$005$r:@(@sp\R/:un
                           ZA17mJ9c0xbqe2hzzbSa4diYvffFEBH.kYwMSgiSfwI5 |
caching_sha2_password | localhost |
| mysql.infoschema |
$A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEU
SED | caching_sha2_password | localhost |
| mysql.session   |
$A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEU
SED | caching_sha2_password | localhost |

```

```
| mysql.sys      |
$A$005$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBRBEU
SED | caching_sha2_password | localhost |
| root          | *FABE5482D5AADF36D028AC443D117BE1180B9725           |
mysql_native_password | localhost |
+-----+-----+
----+
5 rows in set (0.00 sec)
```

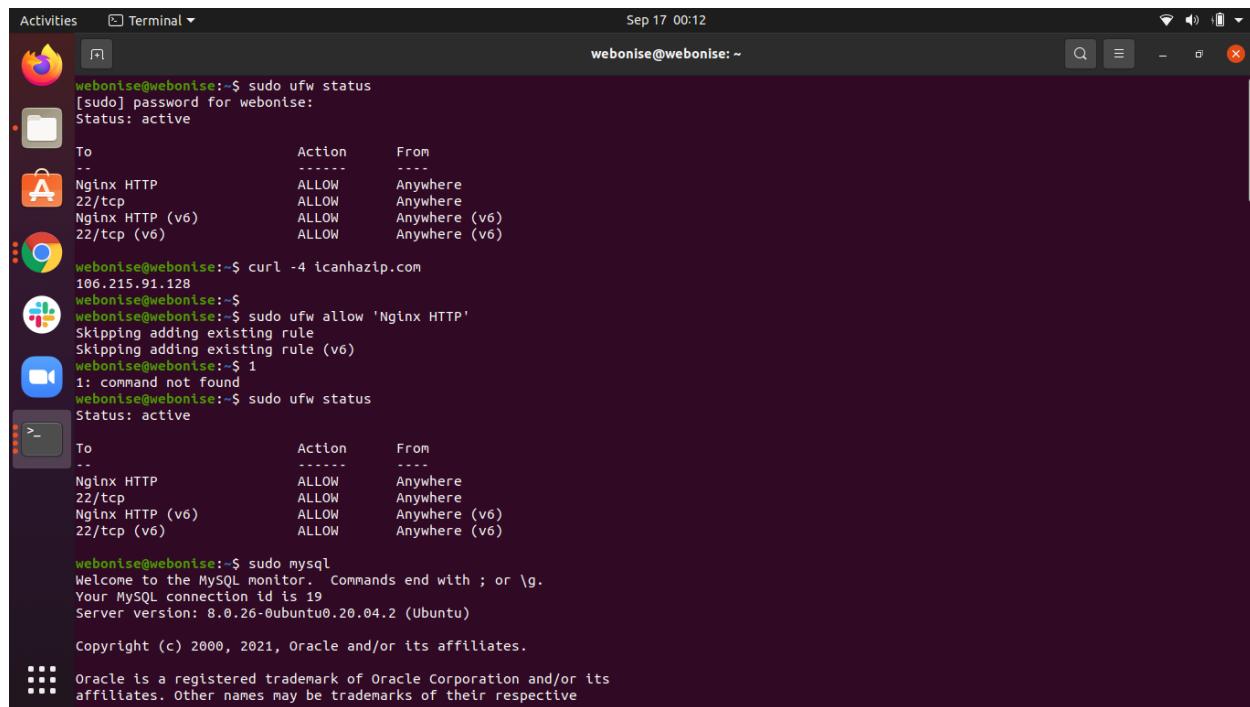
```
mysql>
mysql> mysql -u root -p
-> 1
-> mysql -u root -p
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'mysql -u root -p
1
mysql -u root -p' at line 1
mysql> mysql -u root -p
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'mysql -u root -p' at
line 1
mysql> mysql -u root -p
-> ;/q
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that
corresponds to your MySQL server version for the right syntax to use near 'mysql -u root -p' at
line 1
-> exit
->
-> \q
Bye
```

```
webonise@webonise:~$ sudo nano /etc/nginx/sites-available/test.com
webonise@webonise:~$ sudo ln -s /etc/nginx/sites-available/test.com /etc/nginx/sites-enabled/
webonise@webonise:~$ sudo unlink /etc/nginx/sites-enabled/default
unlink: cannot unlink '/etc/nginx/sites-enabled/default': No such file or directory
```

```
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17/" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ curl ifconfig.me
106.215.91.128
webonise@webonise:~$ ip addr show enp0s31f6 | grep inet | awk '{ print $2; }' | sed 's/V.*$/'
webonise@webonise:~$ ip addr show wlp5s0 | grep inet | awk '{ print $2; }' | sed 's/V.*$/'
```

```
192.168.1.17
fe80::65e7:17e6:19cf:64a8
webonise@webonise:~$ sudo nano /etc/nginx/sites-available/default
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17/" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ sudo nano /etc/nginx/sites-available/default
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17/" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ /etc/nginx/sites-enabled/anushtry:3
bash: /etc/nginx/sites-enabled/anushtry:3: No such file or directory
webonise@webonise:~$ sudo nano /etc/nginx/sites-enabled/anushtry:3
webonise@webonise:~$ sudo nano /etc/nginx/sites-enabled/anushtry
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://106.215.91.128" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ cd /etc/nginx/sites-enabled
webonise@webonise:/etc/nginx/sites-enabled$ ls
anushtry anushtry.com.conf test.com your_domain
webonise@webonise:/etc/nginx/sites-enabled$ sudo rm your_domain
webonise@webonise:/etc/nginx/sites-enabled$ sudo rm anushtry
webonise@webonise:/etc/nginx/sites-enabled$ ls
anushtry.com.conf test.com
webonise@webonise:/etc/nginx/sites-enabled$ cd ..
webonise@webonise:/etc/nginx$ cd ..
webonise@webonise:/etc$ cd ..
webonise@webonise:$ cd ..
webonise@webonise:$ cd /home/webonise
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17/" in
/etc/nginx/sites-enabled/anushtry.com.conf:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ cd /etc/nginx/sites-enabled
webonise@webonise:/etc/nginx/sites-enabled$ sudo rm anushtry.com.conf
webonise@webonise:/etc/nginx/sites-enabled$ ls
test.com
webonise@webonise:/etc/nginx/sites-enabled$ cd ..
webonise@webonise:/etc/nginx$ cd ..
webonise@webonise:/etc$ cd ..
webonise@webonise:$ cd /home/webonise
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "1" in /etc/nginx/sites-enabled/test.com:21
nginx: configuration file /etc/nginx/nginx.conf test failed
```

```
webonise@webonise:~$ sudo nano /etc/nginx/sites-enabled/test.com
webonise@webonise:~$ sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
webonise@webonise:~$ sudo service nginx reload
webonise@webonise:~$ sudo nano /var/www/html/info.php
webonise@webonise:~$
```



The screenshot shows a terminal window titled "Terminal" with the date "Sep 17 00:12". The window displays a history of commands run by the user "webonise".

```
Activities Terminal Sep 17 00:12
webonise@webonise:~$ sudo ufw status
[sudo] password for webonise:
Status: active
To          Action    From
--          ----     ---
Nginx HTTP  ALLOW     Anywhere
22/tcp      ALLOW     Anywhere
Nginx HTTP (v6) ALLOW     Anywhere (v6)
22/tcp (v6)  ALLOW     Anywhere (v6)

webonise@webonise:~$ curl -4 iicanhazip.com
106.215.91.128
webonise@webonise:~$ sudo ufw allow 'Nginx HTTP'
Skipping adding existing rule
Skipping adding existing rule (v6)
webonise@webonise:~$ 1: command not found
webonise@webonise:~$ sudo ufw status
Status: active
To          Action    From
--          ----     ---
Nginx HTTP  ALLOW     Anywhere
22/tcp      ALLOW     Anywhere
Nginx HTTP (v6) ALLOW     Anywhere (v6)
22/tcp (v6)  ALLOW     Anywhere (v6)

webonise@webonise:~$ sudo mysql
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 19
Server version: 8.0.26-0ubuntu0.20.04.2 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
```

Activities Terminal Sep 17 00:12 webonise@webonise:~

```
webonise@webonise:~$ sudo mysql
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 19
Server version: 8.0.26-0ubuntu0.20.04.2 (Ubuntu)

Copyright (c) 2000, 2021, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases
-> ;
+-----+
| Database      |
+-----+
| employees     |
| information_schema |
| mysql          |
| performance_schema |
| sys            |
+-----+
5 rows in set (0.01 sec)

mysql> SELECT user, authentication_string, plugin , host FROM mysql.user;
+-----+-----+-----+-----+
| user      | authentication_string          | plugin      | host       |
+-----+-----+-----+-----+
| debian-sys-maint | $A$00$Sr:@(@sp\R:un          | caching_sha2_password | localhost |
| mysql.infoschema | $A$00$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBREUSED | caching_sha2_password | localhost |
| mysql.session   | $A$00$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBREUSED | caching_sha2_password | localhost |
| mysql.sys       | $A$00$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBREUSED | caching_sha2_password | localhost |
| root          | *FABE5482D5AADF36D028AC443D117BE1180B9725 | auth_socket    | localhost |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)
```

Activities Terminal Sep 17 00:12 webonise@webonise:~

```
mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'mypassword';
Query OK, 0 rows affected (0.11 sec)

mysql> SELECT user, authentication_string, plugin , host FROM mysql.user;
+-----+-----+-----+-----+
| user      | authentication_string          | plugin      | host       |
+-----+-----+-----+-----+
| debian-sys-maint | $A$00$Sr:@(@sp\R:un          | caching_sha2_password | localhost |
| mysql.infoschema | $A$00$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBREUSED | caching_sha2_password | localhost |
| mysql.session   | $A$00$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBREUSED | caching_sha2_password | localhost |
| mysql.sys       | $A$00$THISISACOMBINATIONOFINVALIDSALTANDPASSWORDTHATMUSTNEVERBREUSED | caching_sha2_password | localhost |
| root          | *FABE5482D5AADF36D028AC443D117BE1180B9725 | mysql_native_password | localhost |
+-----+-----+-----+-----+
5 rows in set (0.00 sec)

mysql>
mysql> mysql -u root -p
-> 1
-> mysql -u root -p
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax
to use near 'mysql -u root -p'
1
mysql -u root -p' at line 1
mysql> mysql -u root -p
-> ;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax
to use near 'mysql -u root -p' at line 1
mysql> mysql -u root -p
-> ;
-> /q
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax
to use near 'mysql -u root -p' at line 1
-> exit
->
-> \q
Bye
webonise@webonise:~$
```

Activities Terminal Sep 17 00:13 webonise@webonise: ~

```
Bye
webonise@webonise:~$ sudo nano /etc/nginx/sites-available/test.com
webonise@webonise:~$ 
webonise@webonise:~$ 1
1: command not found
webonise@webonise:~$ sudo ln -s /etc/nginx/sites-available/test.com /etc/nginx/sites-enabled/
webonise@webonise:~$ 
webonise@webonise:~$ sudo unlink /etc/nginx/sites-enabled/default
unlink: cannot unlink '/etc/nginx/sites-enabled/default': No such file or directory
webonise@webonise:~$ 
webonise@webonise:~$ 1
1: command not found
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17/" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ curl ifconfig.me
106.215.91.128webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/\./.*$/'
Device "eth0" does not exist.
webonise@webonise:~$ ip addr show enp0s31f6 | grep inet | awk '{ print $2; }' | sed 's/\./.*$/'
webonise@webonise:~$ ip addr show wlp5s0 | grep inet | awk '{ print $2; }' | sed 's/\./.*$/'
192.168.1.17
fe80::65e7:17e6:19cf:64a8
webonise@webonise:~$ sudo nano /etc/nginx/sites-available/default
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17/" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ sudo nano /etc/nginx/sites-available/default
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17/" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ /etc/nginx/sites-enabled/anushtry:3: No such file or directory
webonise@webonise:~$ sudo nano /etc/nginx/sites-enabled/anushtry:3
webonise@webonise:~$ sudo nano /etc/nginx/sites-enabled/anushtry
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://106.215.91.128" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ cd /etc/nginx/sites-enabled
webonise@webonise:~/etc/nginx/sites-enabled$ ls
anushtry anushtry.com.conf test.com your_domain
webonise@webonise:~/etc/nginx/sites-enabled$ sudo rm your_domain
webonise@webonise:~/etc/nginx/sites-enabled$ sudo rm anushtry
webonise@webonise:~/etc/nginx/sites-enabled$ ls
anushtry.com.conf test.com
webonise@webonise:~/etc/nginx/sites-enabled$ cd ..
webonise@webonise:~/etc/nginx$ cd ..
webonise@webonise:~/etc$ cd ..
webonise@webonise:~/etc$ cd /home/webonise
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17/" in /etc/nginx/sites-enabled/anushtry.com.conf:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ cd /etc/nginx/sites-enabled
webonise@webonise:~/etc/nginx/sites-enabled$ sudo rm anushtry.com.conf
```

Activities Terminal Sep 17 00:13 webonise@webonise: ~

```
curl ifconfig.me
106.215.91.128webonise@webonise:~$ ip addr show eth0 | grep inet | awk '{ print $2; }' | sed 's/\./.*$/'
Device "eth0" does not exist.
webonise@webonise:~$ ip addr show enp0s31f6 | grep inet | awk '{ print $2; }' | sed 's/\./.*$/'
webonise@webonise:~$ ip addr show wlp5s0 | grep inet | awk '{ print $2; }' | sed 's/\./.*$/'
192.168.1.17
fe80::65e7:17e6:19cf:64a8
webonise@webonise:~$ sudo nano /etc/nginx/sites-available/default
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17/" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ sudo nano /etc/nginx/sites-available/default
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17/" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ /etc/nginx/sites-enabled/anushtry:3: No such file or directory
webonise@webonise:~$ sudo nano /etc/nginx/sites-enabled/anushtry:3
webonise@webonise:~$ sudo nano /etc/nginx/sites-enabled/anushtry
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://106.215.91.128" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ cd /etc/nginx/sites-enabled
webonise@webonise:~/etc/nginx/sites-enabled$ ls
anushtry anushtry.com.conf test.com your_domain
webonise@webonise:~/etc/nginx/sites-enabled$ sudo rm your_domain
webonise@webonise:~/etc/nginx/sites-enabled$ sudo rm anushtry
webonise@webonise:~/etc/nginx/sites-enabled$ ls
anushtry.com.conf test.com
webonise@webonise:~/etc/nginx/sites-enabled$ cd ..
webonise@webonise:~/etc/nginx$ cd ..
webonise@webonise:~/etc$ cd ..
webonise@webonise:~/etc$ cd /home/webonise
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17/" in /etc/nginx/sites-enabled/anushtry.com.conf:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ cd /etc/nginx/sites-enabled
webonise@webonise:~/etc/nginx/sites-enabled$ sudo rm anushtry.com.conf
```

Activities Terminal Sep 17 00:13 webonise@webonise:~

```
webonise@webonise:~$ sudo nano /etc/nginx/sites-enabled/anushtry3
webonise@webonise:~$ sudo nano /etc/nginx/sites-enabled/anushtry
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://106.215.91.128" in /etc/nginx/sites-enabled/anushtry:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ cd /etc/nginx/sites-enabled
webonise@webonise:/etc/nginx/sites-enabled$ ls
anushtry anushtry.com.conf test.com your_domain
webonise@webonise:/etc/nginx/sites-enabled$ sudo rm your_domain
webonise@webonise:/etc/nginx/sites-enabled$ ls
anushtry.com.conf test.com
webonise@webonise:/etc/nginx/sites-enabled$ cd ..
webonise@webonise:/etc/nginx$ cd ..
webonise@webonise:/etc$ cd ..
webonise@webonise:/$ cd ..
webonise@webonise:/home/webonise
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "http://192.168.1.17/" in /etc/nginx/sites-enabled/anushtry.com.conf:3
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ cd /etc/nginx/sites-enabled
webonise@webonise:/etc/nginx/sites-enabled$ sudo rm anushtry.com.conf
webonise@webonise:/etc/nginx/sites-enabled$ ls
test.com
webonise@webonise:/etc/nginx/sites-enabled$ cd ..
webonise@webonise:/etc/nginx$ cd ..
webonise@webonise:/etc$ cd ..
webonise@webonise:/$ cd ..
webonise@webonise:/home/webonise
webonise@webonise:~$ sudo nginx -t
nginx: [emerg] unknown directive "1" in /etc/nginx/sites-enabled/test.com:21
nginx: configuration file /etc/nginx/nginx.conf test failed
webonise@webonise:~$ sudo nano /etc/nginx/sites-enabled/test.com
webonise@webonise:~$ sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
webonise@webonise:~$ sudo service nginx reload
webonise@webonise:~$ sudo nano /var/www/html/info.php
webonise@webonise:~$ 
```