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1. **Install Apache**

Jalankan: `sudo apt install apache2`

```
kipau@RiskyFauziah:~$ sudo apt install apache2
[sudo] password for kipau:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser ufw
The following NEW packages will be installed:
  apache2
0 upgraded, 1 newly installed, 0 to remove and 34 not upgraded.
Need to get 97.8 kB of archives.
After this operation, 546 kB of additional disk space will be used.
Get:1 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 apache2 arm6
4 2.4.52-1ubuntu4.1 [97.8 kB]
Fetched 97.8 kB in 2s (48.2 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package apache2.
(Reading database ... 66734 files and directories currently installed.)
Preparing to unpack .../apache2_2.4.52-1ubuntu4.1_arm64.deb ...
Unpacking apache2 (2.4.52-1ubuntu4.1) ...
Setting up apache2 (2.4.52-1ubuntu4.1) ...

Progress: [ 60%] [##################################.......................]
```

Tunggu instalasi selesai. Setelah selesai proses kemudian lakukan tahapan di bawah ini.

Jalankan: `sudo systemctl restart apache2`

```
kipau@RiskyFauziah:~$ sudo systemctl restart apache2
kipau@RiskyFauziah:~$
```

Jika tidak terdapat pesan error, maka apache berhasil di restart. Selanjutnya cek IP Address, karna dengan IP tersebut kita akan cek server apache dapat diakses pada *browser*.

```
kipau@RiskyFauziah:~$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group defaul
t 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: enp0s1: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP gr
oup default qlen 1000
    link/ether da:06:70:76:3a:b9 brd ff:ff:ff:ff:ff:ff
    inet 192.168.64.2/24 metric 100 brd 192.168.64.255 scope global dynamic enp0
s1
       valid_lft 85754sec preferred_lft 85754sec
    inet6 fd9f:67e7:86f5:f452:d806:70ff:fe76:3ab9/64 scope global dynamic mngtmp
addr noprefixroute
       valid_lft 2591928sec preferred_lft 604728sec
    inet6 fe80::d806:70ff:fe76:3ab9/64 scope link
       valid_lft forever preferred_lft forever
kipau@RiskyFauziah:~$
```

Akses browser.

Not Secure | 192.168.64.2

Ubuntu

Apache2 Default Page

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in /usr/share/doc/apache2/README.Debian.gz**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/
|-- apache2.conf
|       `--  ports.conf
|-- mods-enabled
|       |-- *.load
|       `-- *.conf
|-- conf-enabled
|       `-- *.conf
|-- sites-enabled
|       `-- *.conf
```

- `apache2.conf` is the main configuration file. It puts the pieces together by including all remaining configuration files when starting up the web server.
- `ports.conf` is always included from the main configuration file. It is used to determine the

2. Install PHP

Jalankan: `sudo apt install php libapache2-mod-php`. Tunggu sampai proses instalasi selesai.

```
kipau@RiskyFauziah:~$ sudo apt install php libapache2-mod-php
[sudo] password for kipau:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libapache2-mod-php8.1 libsodium23 php-common php8.1 php8.1-cli php8.1-common
  php8.1-opcache php8.1-readline psmisc
Suggested packages:
  php-pear
The following NEW packages will be installed:
  libapache2-mod-php libapache2-mod-php8.1 libsodium23 php php-common php8.1
  php8.1-cli php8.1-common php8.1-opcache php8.1-readline psmisc
0 upgraded, 11 newly installed, 0 to remove and 34 not upgraded.
Need to get 5449 kB of archives.
After this operation, 22.7 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 psmisc arm64 23.4-2b
uild3 [118 kB]
0% [1 psmisc 24.4 kB/118 kB 21%]
```

```
apache2_invoke: Enable module php8.1
Setting up php8.1 (8.1.2-1ubuntu2.6) ...
Setting up libapache2-mod-php (2:8.1+92ubuntu1) ...
Setting up php (2:8.1+92ubuntu1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Processing triggers for php8.1-cli (8.1.2-1ubuntu2.6) ...
Processing triggers for libapache2-mod-php8.1 (8.1.2-1ubuntu2.6) ...
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based fronte
nd cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 78.)
debconf: falling back to frontend: Readline
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
kipau@RiskyFauziah:~$
```

Jalankan: `sudo apt install php-mysql php-gd php-mbstring php-bcmath php-tokenizer php-xml`. Kemudian tunggu sampai proses instalasi selesai.

```
kipau@RiskyFauziah:~$ sudo apt install php-mysql php-gd php-mbstring php-bcmath
php-tokenizer php-xml
[sudo] password for kipau:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  fontconfig-config fonts-dejavu-core libdeflate0 libfontconfig1 libgd3
  libjbig0 libjpeg-turbo8 libjpeg8 libonig5 libtiff5 libwebp7 libxpm4
  libxslt1.1 php8.1-bcmath php8.1-gd php8.1-mbstring php8.1-mysql php8.1-xml
Suggested packages:
  libgd-tools
The following NEW packages will be installed:
  fontconfig-config fonts-dejavu-core libdeflate0 libfontconfig1 libgd3
  libjbig0 libjpeg-turbo8 libjpeg8 libonig5 libtiff5 libwebp7 libxpm4
  libxslt1.1 php-bcmath php-gd php-mbstring php-mysql php-tokenizer php-xml
  php8.1-bcmath php8.1-gd php8.1-mbstring php8.1-mysql php8.1-xml
0 upgraded, 24 newly installed, 0 to remove and 34 not upgraded.
Need to get 3081 kB of archives.
After this operation, 8887 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 fonts-dejavu-core al
l 2.37-2build1 [1041 kB]
11% [1 fonts-dejavu-core 407 kB/1041 kB 39%]                    54.9 kB/s 48s
```

```
debconf: falling back to frontend: Readline

Creating config file /etc/php/8.1/mods-available/gd.ini with new version
Setting up php-gd (2:8.1+92ubuntu1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Processing triggers for libapache2-mod-php8.1 (8.1.2-1ubuntu2.6) ...
Processing triggers for php8.1-cli (8.1.2-1ubuntu2.6) ...
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based fronte
nd cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 78.)
debconf: falling back to frontend: Readline
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
kipau@RiskyFauziah:~$
```

Jalankan: `sudo systemctl restart apache2`

```
kipau@RiskyFauziah:~$ sudo systemctl restart apache2

kipau@RiskyFauziah:~$
```

Cek versi PHP yang telah berhasil di install

```
kipau@RiskyFauziah:~$ php -v
PHP 8.1.2-1ubuntu2.6 (cli) (built: Sep 15 2022 11:30:49) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.1.2, Copyright (c) Zend Technologies
    with Zend OPcache v8.1.2-1ubuntu2.6, Copyright (c), by Zend Technologies
kipau@RiskyFauziah:~$
```

3. **Install MariaDB**

Jalankan: `sudo apt install mariadb-server`. Tunggu sampai proses instalasi selesai dilakukan.

```
kipau@RiskyFauziah:~$ sudo apt install mariadb-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  galera-4 libcgi-fast-perl libcgi-pm-perl libclone-perl
  libconfig-inifiles-perl libdaxctl1 libdbd-mysql-perl libdbi-perl
  libencode-locale-perl libfcgi-bin libfcgi-perl libfcgi0ldbl
  libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl
  libhttp-date-perl libhttp-message-perl libio-html-perl
  liblwp-mediatypes-perl libmariadb3 libmysqlclient21 libndctl6 libnuma1
  libpmem1 libsnappy1v5 libtimedate-perl liburi-perl liburing2 lsof
  mariadb-client-10.6 mariadb-client-core-10.6 mariadb-common
  mariadb-server-10.6 mariadb-server-core-10.6 mysql-common rsync socat
Suggested packages:
  libmldbm-perl libnet-daemon-perl libsql-statement-perl libdata-dump-perl
  libipc-sharedcache-perl libbusiness-isbn-perl libwww-perl mailx mariadb-test
  netcat-openbsd
The following NEW packages will be installed:
  galera-4 libcgi-fast-perl libcgi-pm-perl libclone-perl
  libconfig-inifiles-perl libdaxctl1 libdbd-mysql-perl libdbi-perl
  libencode-locale-perl libfcgi-bin libfcgi-perl libfcgi0ldbl
  libhtml-parser-perl libhtml-tagset-perl libhtml-template-perl
```

```
debconf: falling back to frontend: Readline
Created symlink /etc/systemd/system/multi-user.target.wants/mariadb.service → /l
ib/systemd/system/mariadb.service.
Setting up libcgi-fast-perl (1:2.15-1) ...
Setting up mariadb-server (1:10.6.7-2ubuntu1.1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based fronte
nd cannot be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 78.)
debconf: falling back to frontend: Readline
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
kipau@RiskyFauziah:~$
```

Jalankan: `sudo mysql_secure_installation`

```
kipau@RiskyFauziah:~$ sudo mysql_secure_installation

NOTE: RUNNING ALL PARTS OF THIS SCRIPT IS RECOMMENDED FOR ALL MariaDB
      SERVERS IN PRODUCTION USE!  PLEASE READ EACH STEP CAREFULLY!

In order to log into MariaDB to secure it, we'll need the current
password for the root user. If you've just installed MariaDB, and
haven't set the root password yet, you should just press enter here.

Enter current password for root (enter for none):
OK, successfully used password, moving on...

Setting the root password or using the unix_socket ensures that nobody
can log into the MariaDB root user without the proper authorisation.

You already have your root account protected, so you can safely answer 'n'.
Switch to unix_socket authentication [Y/n] Y
Enabled successfully!
Reloading privilege tables..
 ... Success!


You already have your root account protected, so you can safely answer 'n'.

Change the root password? [Y/n] n
 ... skipping.

By default, a MariaDB installation has an anonymous user, allowing anyone
to log into MariaDB without having to have a user account created for
them.  This is intended only for testing, and to make the installation
go a bit smoother.  You should remove them before moving into a
production environment.

Remove anonymous users? [Y/n] Y
 ... Success!

Normally, root should only be allowed to connect from 'localhost'.  This
ensures that someone cannot guess at the root password from the network.

Disallow root login remotely? [Y/n] Y
 ... Success!

By default, MariaDB comes with a database named 'test' that anyone can
access.  This is also intended only for testing, and should be removed
before moving into a production environment.

Remove test database and access to it? [Y/n] Y
 - Dropping test database...
 ... Success!
 - Removing privileges on test database...
 ... Success!

Reloading the privilege tables will ensure that all changes made so far
will take effect immediately.

Reload privilege tables now? [Y/n] Y
 ... Success!

Cleaning up...

All done!  If you've completed all of the above steps, your MariaDB
installation should now be secure.

Thanks for using MariaDB!
kipau@RiskyFauziah:~$
```

Jalankan: `sudo systemctl restart mariadb`

```
kipau@RiskyFauziah:~$ sudo systemctl restart mariadb
kipau@RiskyFauziah:~$
```

Jalankan: `sudo systemctl status mariadb`

```
kipau@RiskyFauziah:~$ sudo systemctl status mariadb
● mariadb.service - MariaDB 10.6.7 database server
     Loaded: loaded (/lib/systemd/system/mariadb.service; enabled; vendor preset: enabled)
     Active: active (running) since Sat 2022-10-29 03:44:06 UTC; 1min 44s ago
       Docs: man:mariadbd(8)
             https://mariadb.com/kb/en/library/systemd/
    Process: 12466 ExecStartPre=/usr/bin/install -m 755 -o mysql -g root -d /var/run/mysql
d (code=exited, status=0/SUCCESS)
    Process: 12468 ExecStartPre=/bin/sh -c systemctl unset-environment _WSREP_START_POSITI
ON (code=exited, status=0/SUCCESS)
    Process: 12470 ExecStartPre=/bin/sh -c [ ! -e /usr/bin/galera_recovery ] && VAR= ||
VAR=`cd /usr/bin/..; /usr/bin/galera_recovery`; [ $? -eq 0 ]   && systemctl set-environmen
t _WSREP_START_POSITION=$VAR || exit 1 (code=exited, status=0/SUCCESS)
    Process: 12514 ExecStartPost=/bin/sh -c systemctl unset-environment _WSREP_START_POSIT
ION (code=exited, status=0/SUCCESS)
    Process: 12516 ExecStartPost=/etc/mysql/debian-start (code=exited, status=0/SUCCESS)
   Main PID: 12499 (mariadbd)
     Status: "Taking your SQL requests now..."
      Tasks: 9 (limit: 4521)
     Memory: 58.2M
        CPU: 9.393s
     CGroup: /system.slice/mariadb.service
             └─12499 /usr/sbin/mariadbd

Oct 29 03:44:05 RiskyFauziah mariadbd[12499]: 2022-10-29  3:44:05 0 [Note] InnoDB: File '.
/ibtmp1' size is now 12 MB.
Oct 29 03:44:05 RiskyFauziah mariadbd[12499]: 2022-10-29  3:44:05 0 [Note] InnoDB: 10.6.7
started; log sequence number 42329; transaction id 14
Oct 29 03:44:05 RiskyFauziah mariadbd[12499]: 2022-10-29  3:44:05 0 [Note] Plugin 'FEEDBAC
K' is disabled.
Oct 29 03:44:05 RiskyFauziah mariadbd[12499]: 2022-10-29  3:44:05 0 [Note] InnoDB: Loading
 buffer pool(s) from /var/lib/mysql/ib_buffer_pool
Oct 29 03:44:05 RiskyFauziah mariadbd[12499]: 2022-10-29  3:44:05 0 [Note] InnoDB: Buffer
pool(s) load completed at 221029  3:44:05
Oct 29 03:44:05 RiskyFauziah mariadbd[12499]: 2022-10-29  3:44:05 0 [Warning] You need to
use --log-bin to make --expire-logs-days or --binlog-expire-logs-seconds work.
Oct 29 03:44:05 RiskyFauziah mariadbd[12499]: 2022-10-29  3:44:05 0 [Note] Server socket c
reated on IP: '127.0.0.1'.
Oct 29 03:44:05 RiskyFauziah mariadbd[12499]: 2022-10-29  3:44:05 0 [Note] /usr/sbin/maria
dbd: ready for connections.
Oct 29 03:44:05 RiskyFauziah mariadbd[12499]: Version: '10.6.7-MariaDB-2ubuntu1.1'  socket
: '/run/mysqld/mysqld.sock'  port: 3306  Ubuntu 22.04
Oct 29 03:44:06 RiskyFauziah systemd[1]: Started MariaDB 10.6.7 database server.
kipau@RiskyFauziah:~$
```

4. Install PHPMyAdmin

Jalankan: `sudo apt install phpmyadmin php-mbstring php-zip php-json php-curl`

```
kipau@RiskyFauziah:~$ sudo apt install phpmyadmin php-mbstring php-zip php-json php-curl
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
php-mbstring is already the newest version (2:8.1+92ubuntu1).
The following additional packages will be installed:
  dbconfig-common dbconfig-mysql icc-profiles-free javascript-common libjs-bootstrap4
  libjs-codemirror libjs-jquery libjs-jquery-mousewheel libjs-jquery-timepicker
  libjs-jquery-ui libjs-popper.js libjs-sizzle libjs-sphinxdoc libjs-underscore libzip4
  node-jquery php-bz2 php-google-recaptcha php-mariadb-mysql-kbs php-nikic-fast-route
  php-phpmyadmin-motranslator php-phpmyadmin-shapefile php-phpmyadmin-sql-parser
  php-phpseclib php-psr-cache php-psr-container php-psr-log php-symfony-cache
  php-symfony-cache-contracts php-symfony-config php-symfony-dependency-injection
  php-symfony-deprecation-contracts php-symfony-expression-language
  php-symfony-filesystem php-symfony-polyfill-php80 php-symfony-polyfill-php81
  php-symfony-service-contracts php-symfony-var-exporter php-tcpdf php-twig
  php-twig-i18n-extension php8.1-bz2 php8.1-curl php8.1-zip
Suggested packages:
  libjs-requirejs libjs-jquery-ui-docs php-dbase php-libsodium php-mcrypt php-gmp
  php-symfony-yaml php-symfony-finder php-symfony-proxy-manager-bridge php-imagick
  php-twig-doc php-recode www-browser php-gd2 php-pragmarx-google2fa-qrcode
  php-samyoul-u2f-php-server
Recommended packages:
  php-mcrypt
The following NEW packages will be installed:
  dbconfig-common dbconfig-mysql icc-profiles-free javascript-common libjs-bootstrap4
  libjs-codemirror libjs-jquery libjs-jquery-mousewheel libjs-jquery-timepicker
  libjs-jquery-ui libjs-popper.js libjs-sizzle libjs-sphinxdoc libjs-underscore libzip4
  node-jquery php-bz2 php-curl php-google-recaptcha php-json php-mariadb-mysql-kbs
  php-nikic-fast-route php-phpmyadmin-motranslator php-phpmyadmin-shapefile
  php-phpmyadmin-sql-parser php-phpseclib php-psr-cache php-psr-container php-psr-log
  php-symfony-cache php-symfony-cache-contracts php-symfony-config
  php-symfony-dependency-injection php-symfony-deprecation-contracts
  php-symfony-expression-language php-symfony-filesystem php-symfony-polyfill-php80
  php-symfony-polyfill-php81 php-symfony-service-contracts php-symfony-var-exporter
  php-tcpdf php-twig php-twig-i18n-extension php-zip php8.1-bz2 php8.1-curl php8.1-zip
  phpmyadmin
0 upgraded, 48 newly installed, 0 to remove and 34 not upgraded.
Need to get 17.2 MB of archives.
After this operation, 81.2 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://ports.ubuntu.com/ubuntu-ports jammy/universe arm64 dbconfig-common all 2.0.2
 [597 kB]
Get:2 http://ports.ubuntu.com/ubuntu-ports jammy/universe arm64 dbconfig-mysql all 2.0.21
[938 B]
Get:3 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 icc-profiles-free all 2.0.1+d
sg-1.1 [214 kB]
4% [3 icc-profiles-free 179 kB/214 kB 84%]                          18.9 kB/s 14min 29s
```

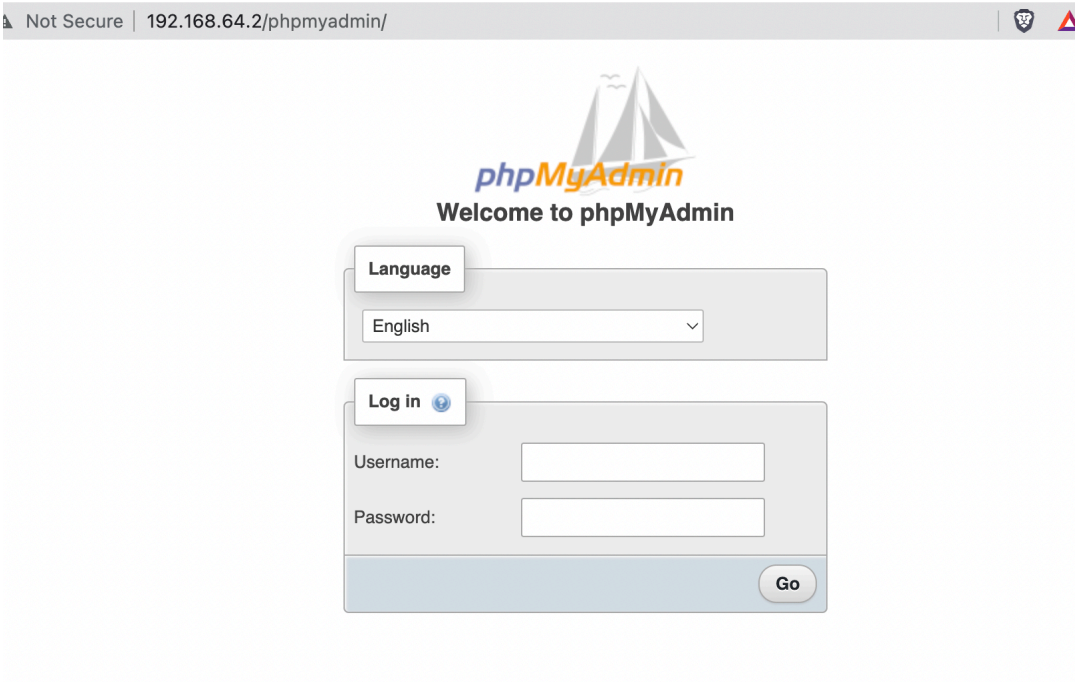
Pada saat install, terdapat beberapa pengaturan seperti gambar di bawah ini:

```
Configure database for phpmyadmin with dbconfig-common? [yes/no] yes

Please provide a password for phpmyadmin to register with the database server. If left
blank, a random password will be generated.

MySQL application password for phpmyadmin:

Password confirmation:

Determining localhost credentials from /etc/mysql/debian.cnf: succeeded.
Please choose the web server that should be automatically configured to run phpMyAdmin.

  1. apache2  2. lighttpd

(Enter the items or ranges you want to select, separated by spaces.)

Web server to reconfigure automatically: apache2

dbconfig-common: writing config to /etc/dbconfig-common/phpmyadmin.conf

Creating config file /etc/dbconfig-common/phpmyadmin.conf with new version

Creating config file /etc/phpmyadmin/config-db.php with new version
checking privileges on database phpmyadmin for phpmyadmin@localhost: user creation needed.
granting access to database phpmyadmin for phpmyadmin@localhost: success.
verifying access for phpmyadmin@localhost: success.
creating database phpmyadmin: success.
verifying database phpmyadmin exists: success.
populating database via sql...  done.
dbconfig-common: flushing administrative password
apache2_invoke: Enable configuration phpmyadmin
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Processing triggers for libapache2-mod-php8.1 (8.1.2-1ubuntu2.6) ...
Processing triggers for php8.1-cli (8.1.2-1ubuntu2.6) ...
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot
be used. at /usr/share/perl5/Debconf/FrontEnd/Dialog.pm line 78.)
debconf: falling back to frontend: Readline
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
kipau@RiskyFauziah:~$
```

Jalankan: `sudo systemctl restart apache2`

```
kipau@RiskyFauziah:~$ sudo systemctl restart apache2
[sudo] password for kipau:
kipau@RiskyFauziah:~$
```

Akses phpMyAdmin di browser.


Not Secure
192.168.64.2/phpmyadmin/
phpMyAdmin
Welcome to phpMyAdmin
Language
English
Log in
Username:
Password:
Go

5. Install Webmin

Jalankan: `sudo apt update`

```
kipau@RiskyFauziah:/etc/apt$ sudo apt update
Hit:1 http://ports.ubuntu.com/ubuntu-ports jammy InRelease
Ign:2 http://download.webmin.com/download/repository sarge InRelease
Hit:3 http://ports.ubuntu.com/ubuntu-ports jammy-updates InRelease
Hit:4 http://ports.ubuntu.com/ubuntu-ports jammy-backports InRelease
Hit:5 http://download.webmin.com/download/repository sarge Release
Hit:6 http://ports.ubuntu.com/ubuntu-ports jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
32 packages can be upgraded. Run 'apt list --upgradable' to see them.
W: http://download.webmin.com/download/repository/dists/sarge/Release.gpg: Key is stored in legacy trusted.gpg
 keyring (/etc/apt/trusted.gpg), see the DEPRECATION section in apt-key(8) for details.
W: Target Packages (contrib/binary-arm64/Packages) is configured multiple times in /etc/apt/sources.list:43 an
d /etc/apt/sources.list.d/archive_uri-http_download_webmin_com_download_repository-jammy.list:1
W: Target Packages (contrib/binary-all/Packages) is configured multiple times in /etc/apt/sources.list:43 and
/etc/apt/sources.list.d/archive_uri-http_download_webmin_com_download_repository-jammy.list:1
W: Target Translations (contrib/i18n/Translation-en) is configured multiple times in /etc/apt/sources.list:43
and /etc/apt/sources.list.d/archive_uri-http_download_webmin_com_download_repository-jammy.list:1
W: Target Packages (contrib/binary-arm64/Packages) is configured multiple times in /etc/apt/sources.list:43 an
d /etc/apt/sources.list.d/archive_uri-http_download_webmin_com_download_repository-jammy.list:1
W: Target Packages (contrib/binary-all/Packages) is configured multiple times in /etc/apt/sources.list:43 and
/etc/apt/sources.list.d/archive_uri-http_download_webmin_com_download_repository-jammy.list:1
W: Target Translations (contrib/i18n/Translation-en) is configured multiple times in /etc/apt/sources.list:43
and /etc/apt/sources.list.d/archive_uri-http_download_webmin_com_download_repository-jammy.list:1
```

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

Sisipkan di dalam file sources.list di baris paling akhir.

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

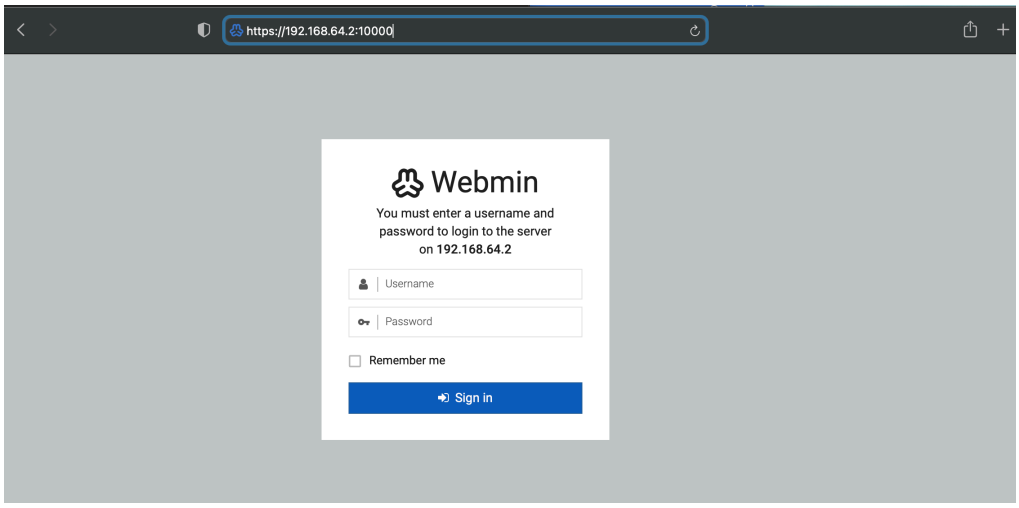
```
deb http://ports.ubuntu.com/ubuntu-ports/ jammy-security multiverse
# deb-src http://ports.ubuntu.com/ubuntu-ports/ jammy-security multiverse
deb http://download.webmin.com/download/repository sarge contrib

^G Help        ^O Write Out   ^W Where Is    ^K Cut         ^T Execute
```

Jalankan: `sudo wget -q -O- http://www.webmin.com/jcameron-key.asc | sudo apt-key add sudo apt update`

```
kipau@RiskyFauziah:/etc/apt$ sudo wget -q -O- http://www.webmin.com/jcameron-key.asc | sudo apt-key add
sudo apt update
Warning: apt-key is deprecated. Manage keyring files in trusted.gpg.d instead (see apt-key(8)).
OK
Ign:1 http://download.webmin.com/download/repository sarge InRelease
Hit:2 http://ports.ubuntu.com/ubuntu-ports jammy InRelease
Hit:3 http://download.webmin.com/download/repository sarge Release
Hit:4 http://ports.ubuntu.com/ubuntu-ports jammy-updates InRelease
Hit:5 http://ports.ubuntu.com/ubuntu-ports jammy-backports InRelease
Hit:6 http://ports.ubuntu.com/ubuntu-ports jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
32 packages can be upgraded. Run 'apt list --upgradable' to see them.
W: http://download.webmin.com/download/repository/dists/sarge/Release.gpg: Key is stored in legacy trusted.gpg
 keyring (/etc/apt/trusted.gpg), see the DEPRECATION section in apt-key(8) for details.
W: Target Packages (contrib/binary-arm64/Packages) is configured multiple times in /etc/apt/sources.list:43 an
d /etc/apt/sources.list.d/archive_uri-http_download_webmin_com_download_repository-jammy.list:1
W: Target Packages (contrib/binary-all/Packages) is configured multiple times in /etc/apt/sources.list:43 and
/etc/apt/sources.list.d/archive_uri-http_download_webmin_com_download_repository-jammy.list:1
W: Target Translations (contrib/i18n/Translation-en) is configured multiple times in /etc/apt/sources.list:43
and /etc/apt/sources.list.d/archive_uri-http_download_webmin_com_download_repository-jammy.list:1
W: Target Packages (contrib/binary-arm64/Packages) is configured multiple times in /etc/apt/sources.list:43 an
d /etc/apt/sources.list.d/archive_uri-http_download_webmin_com_download_repository-jammy.list:1
W: Target Packages (contrib/binary-all/Packages) is configured multiple times in /etc/apt/sources.list:43 and
/etc/apt/sources.list.d/archive_uri-http_download_webmin_com_download_repository-jammy.list:1
W: Target Translations (contrib/i18n/Translation-en) is configured multiple times in /etc/apt/sources.list:43
and /etc/apt/sources.list.d/archive_uri-http_download_webmin_com_download_repository-jammy.list:1
kipau@RiskyFauziah:/etc/apt$
```

```
kipau@RiskyFauziah:/etc/apt$ sudo apt install webmin
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  libauthen-pam-perl libio-pty-perl libnet-ssleay-perl perl-openssl-defaults unzip
Suggested packages:
  zip
The following NEW packages will be installed:
  libauthen-pam-perl libio-pty-perl libnet-ssleay-perl perl-openssl-defaults unzip webmin
0 upgraded, 6 newly installed, 0 to remove and 32 not upgraded.
Need to get 29.0 MB of archives.
After this operation, 305 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 perl-openssl-defaults arm64 5build2 [7544 B]
Get:2 http://download.webmin.com/download/repository sarge/contrib arm64 webmin all 2.000 [28.4 MB]
Get:3 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libnet-ssleay-perl arm64 1.92-1build2 [326 kB]
Get:4 http://ports.ubuntu.com/ubuntu-ports jammy/universe arm64 libauthen-pam-perl arm64 0.16-3build9 [24.9 kB
]
Get:5 http://ports.ubuntu.com/ubuntu-ports jammy/main arm64 libio-pty-perl arm64 1:1.15-2build2 [34.6 kB]
Get:6 http://ports.ubuntu.com/ubuntu-ports jammy-updates/main arm64 unzip arm64 6.0-26ubuntu3.1 [171 kB]
Fetched 29.0 MB in 1min 37s (300 kB/s)
debconf: delaying package configuration, since apt-utils is not installed
Selecting previously unselected package perl-openssl-defaults:arm64.
(Reading database ... 73846 files and directories currently installed.)
Preparing to unpack .../0-perl-openssl-defaults_5build2_arm64.deb ...
Unpacking perl-openssl-defaults:arm64 (5build2) ...
Selecting previously unselected package libnet-ssleay-perl:arm64.
Preparing to unpack .../1-libnet-ssleay-perl_1.92-1build2_arm64.deb ...
Unpacking libnet-ssleay-perl:arm64 (1.92-1build2) ...
Selecting previously unselected package libauthen-pam-perl.
Preparing to unpack .../2-libauthen-pam-perl_0.16-3build9_arm64.deb ...
Unpacking libauthen-pam-perl (0.16-3build9) ...
Selecting previously unselected package libio-pty-perl.
Preparing to unpack .../3-libio-pty-perl_1%3a1.15-2build2_arm64.deb ...
Unpacking libio-pty-perl (1:1.15-2build2) ...
Selecting previously unselected package unzip.
Setting up perl-openssl-defaults:arm64 (5build2) ...
Setting up libauthen-pam-perl (0.16-3build9) ...
Setting up libnet-ssleay-perl:arm64 (1.92-1build2) ...
Setting up webmin (2.000) ...
Processing triggers for mailcap (3.70+nmu1ubuntu1) ...
debconf: unable to initialize frontend: Dialog
debconf: (No usable dialog-like program is installed, so the dialog based frontend cannot be used. at /usr/sha
re/perl5/Debconf/FrontEnd/Dialog.pm line 78.)
debconf: falling back to frontend: Readline
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
kipau@RiskyFauziah:/etc/apt$
```

Cek di browser:



Pada saat saya akses webmin di browser google & brave. Terdapat pemblokiran akses. Dan tidak ada opsi untuk membuka blokir tersebut (biasanya ada di bawah hehe). Kemudian saya

memutuskan untuk akses lewat browser safari, dan ada opsi untuk melakukan akses secara paksa. Dengan cara memasukan password server dan setelah itu webmin dapat saya akses. Seperti gambar yang saya lampirakan di atas. Alhamdulillah.