Ubuntu Server 18.04

apt - Advanced Packaging Tool

Update available packages	`sudo apt update`
Upgrades all currently installed packages	`sudo apt upgrade`
Remove packages that are no longer required	`sudo apt autoremove`

http://manpages.ubuntu.com/manpages/cosmic/man8/apt.8.html

ufw - Uncomplicated Firewall

1. Install ufw	`sudo apt install ufw`
2 Setup default policies	`sudo ufw default deny incoming`
	`sudo ufw default allow outgoing`
3. Allow SSH	`sudo ufw allow 22`
...or	`sudo ufw allow ssh`
4. Enable ufw	`sudo ufw enable`
5. Allow other connections	
...Apache	`sudo ufw allow 'Apache Full'`
...Webmin	`sudo ufw allow 10000`
View current ufw status	`sudo ufw status verbose`

https://help.ubuntu.com/community/UFW
or
https://www.digitalocean.com/community/tutorials/how-to-set-up-a-firewall-with-ufw-on-ubuntu-18-04

Install Webmin

1. Edit the **sources** list

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

Add the following line to your sources file

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

2. Download the Webmin PGP key

```
wget http://www.webmin.com/jcameron-key.asc
```

3. Install the Webmin PGP key

```
sudo apt-key add jcameron-key.asc
```

4. Update packages including the Webmin repository

```
sudo apt update
```

5. Install Webmin

```
sudo apt install webmin
```

Once the installation finishes, you'll be presented with the following output:

Webmin install complete. You can now login to https://your_server_ip:10000 as root with your root password, or as any user who can use `sudo`.

Add port 10000 to your firewall

```
sudo ufw allow 10000
```

https://www.digitalocean.com/community/tutorials/how-to-install-webmin-on-ubuntu-18-04
or
http://www.webmin.com/deb.html

Install Apache 2.4

Install Apache 2.x	`sudo apt install apache2`
... or, as a single command	`sudo apt update && apt-get install apache2`
Enable ports through `ufw` firewall	`sudo ufw allow http && ufw allow https`
... or, via pre-defined app settings	`sudo ufw allow 'Apache Full'`
Start Apache	`sudo apachectl start`
Restart Apache after changing settings	`sudo apachectl restart`
Where is Apache installed	`which apache2`

https://help.ubuntu.com/lts/serverguide/httpd.html
or
https://www.digitalocean.com/community/tutorials/how-to-install-the-apache-web-server-on-ubuntu-18-04

Install PHP

1. Install PHP	`sudo apt install php libapache2-mod-php`
2. Restart Apache	`sudo systemctl restart apache2`
Check where PHP is installed	`which php`
Check PHP version	`php -v`
Check INI file configuration	`php --ini`
Dump PHP configuration	`php --info`
Install optional modules	`apt-get install php-pear php-fpm php-dev php-zip php-curl php-xmlrpc php-gd php-mysql php-mbstring php-xml libapache2-mod-php`
check all the PHP modules available in Ubuntu	`apt-cache search --names-only ^php`

https://help.ubuntu.com/lts/serverguide/php.html.en-AU
or
https://thishosting.rocks/install-php-on-ubuntu/

Install MySQL

Install MySQL	`sudo apt install mysql-server`

Once the installation is complete, the MySQL server should be started automatically.

Check the status of MySQL	`sudo netstat -tap | grep mysql`
Start the service (if not running)	`sudo systemctl restart mysql.service`

https://help.ubuntu.com/lts/serverguide/mysql.html.en
or
https://www.digitalocean.com/community/tutorials/how-to-install-the-latest-mysql-on-ubuntu-18-04

Install MongoDB

Install MongoDB package	`sudo apt install -y mongodb-org`
Check MongoDB service status	`sudo systemctl status mongodb`
Start MongoDB	`sudo systemctl start mongod.service`
Stop MongoDB	`sudo systemctl stop mongod.service`
Restart the MongoDB service	`sudo systemctl restart mongodb`
Enable automatic service startup	`sudo systemctl enable mongod.service`
Disable automatic service startup	`sudo systemctl disable mongodb`

https://www.digitalocean.com/community/tutorials/how-to-install-mongodb-on--ubuntu-18-04
or
https://docs.mongodb.com/manual/tutorial/install-mongodb-on-ubuntu/
or
https://websiteforstudents.com/install-mongodb-on-ubuntu-18-04-lts-beta--server/