

Ubuntu Server 18.04



apt - Advanced Packaging Tool

Update available packages	<code>sudo apt update</code>
Upgrades all currently installed packages	<code>sudo apt upgrade</code>
Remove packages that are no longer required	<code>sudo apt autoremove</code>

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

ufw - Uncomplicated Firewall

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

<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:

Install Webmin (cont)

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      sudo apt install apache2
Apache
2.x
```

... or, as a single command

```
sudo apt update && apt-get install apache2
```

```
Enable      sudo ufw allow http && ufw allow https
ports
through ufw firewall
```

... or, via pre-defined app settings

```
sudo ufw allow 'Apache Full'
```

```
Start      sudo apachectl start
Apache
```

```
Restart    sudo apachectl restart
Apache
after
changing
settings
```

Where is Apache installed

```
which apache2
```

<https://help.ubuntu.com/its/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. `sudo systemctl restart apache2`
Restart Apache

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`
`-php`

check all the PHP modules available in Ubuntu `apt-cache search --name s-only ^php`

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



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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/>



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