

How to Install Uptime Kuma on Linux?

written by sysadmin | 3 January 2026

Uptime Kuma is a self-hosted monitoring solution created to measure the uptime and performance of websites and services. It offers live status updates, flexible alerting choices, and comprehensive metrics to help guarantee that your websites and services stay functional.

Problem

How to install Uptime Kuma on Linux?

Solution

There are 4 methods to install uptime kuma:

1. Using docker.
2. [Using docker compose with database in docker.](#)
3. [Using docker compose with database in the host.](#)
4. [Using package.](#)

This article will explain how to install Kuma using Docker.

1. Install uptime kuma

Make sure you installed Docker in your server and you can see how to install Docker on [this page](#). After that, run the command below to install uptime kuma using docker:

```
docker run -d --restart=always -p 3001:3001 -v uptime-kuma:/app/data --name uptime-kuma louislam/uptime-kuma:1
```

Then check whether the uptime kuma container is running or not using the command:

```
docker ps | grep Kuma
```

```
sysadmin@docker:~$ docker ps | grep kuma
eb2f41d7b0b9   louislam/uptime-kuma:1   "/usr/bin/dumb-init ..."   32 seconds ago   Up 30 seconds (healthy)   0.0.0.0:3001->3001/tcp, [::]:3001->3001/tcp   uptime-k
sysadmin@docker:~$
```



Check the uptime kuma container in Docker

2. Configure webserver

If you use Apache, create a file at **/etc/apache2/sites-available/kuma.conf** and copy the script below to the file:

```
<VirtualHost *:80>
ServerName yourdomain.com
DocumentRoot /var/www/html/

ProxyPass / http://localhost:3001/
RewriteEngine on
RewriteCond %{HTTP:Upgrade} websocket [NC]
RewriteCond %{HTTP:Connection} upgrade [NC]
RewriteRule ^/?(.*) "ws://localhost:3001/$1" [P,L]

ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined

</VirtualHost>
```

then run the command below:

```
sudo a2enmod rewrite
sudo a2enmod proxy
sudo a2enmod proxy_http
sudo a2ensite kuma.conf
```

Check if there is an error in apache and if there is no error, reload apache using the command below:

```
apachectl -t
sudo systemctl reload apache2
```

INFO

If your server is running an nginx webserver, then in the file **/etc/nginx/conf.d/uptime-kuma.conf** insert the script below:

```
server {
    listen 80;
    server_name uptime-kuma.yourdomainname.com;
```

```

location / {
    proxy_pass          http://localhost:3001;
    proxy_http_version 1.1;
    proxy_set_header    Upgrade $http_upgrade;
    proxy_set_header    Connection "upgrade";
    proxy_set_header    Host $host;
    proxy_set_header    X-Real-IP $remote_addr;
    proxy_set_header    X-Forwarded-For $proxy_add_x_forwarded_for;
    proxy_set_header    X-Forwarded-Proto $scheme;

    # Added WebSocket support
    proxy_set_header    Sec-WebSocket-Key $http_sec_websocket_key;
    proxy_set_header    Sec-WebSocket-Version $http_sec_websocket_version;
    proxy_set_header    Sec-WebSocket-Extensions
$http_sec_websocket_extensions;

    # Improve performance of this reverse proxy
    proxy_buffering     off;
}

# Redirect HTTP to HTTPS if needed for encryption
# Uncomment the following lines if you have SSL enabled
# return 301 https://$host$request_uri;
}

```

Use the command below to check if there is an error in the nginx configuration and then reload nginx:

```

nginx -t
sudo systemctl reload nginx

```

3. Configure database

If you install uptime kuma using docker, you **don't need to install the database** because in the docker there is already a SQLite database where you can view it by using the command below:

```
docker exec -it uptime-kuma ls /app/data
```

```

root@docker:~# docker exec -it uptime-kuma ls /app/data
docker-tls  kuma.db  kuma.db-shm  kuma.db-wal  screenshots  upload
root@docker:~#

```

Check the database in the uptime kuma container



4. Access uptime kuma

Open your browser, and type:

`http://ip_server:3001`

then there will be a display like below:



Uptime Kuma

Create your admin account

Language
English



Username

Password

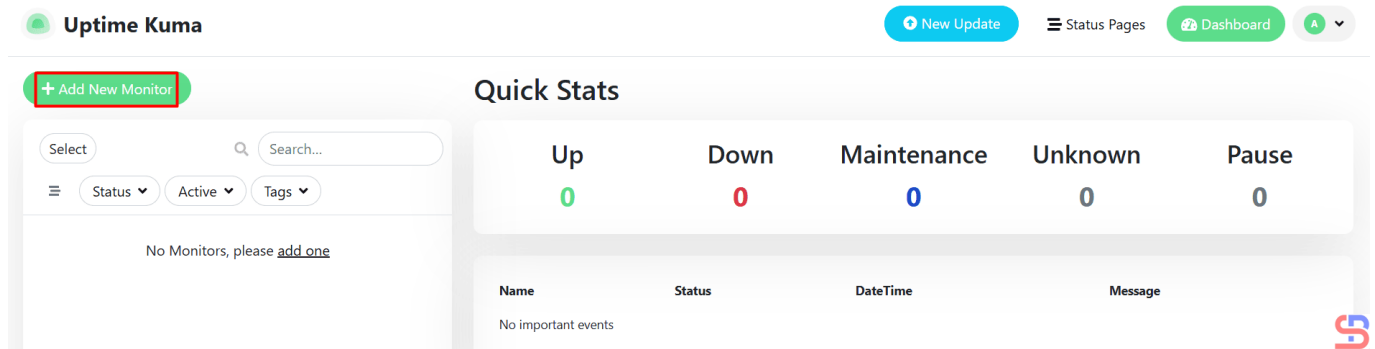
Repeat Password

Create



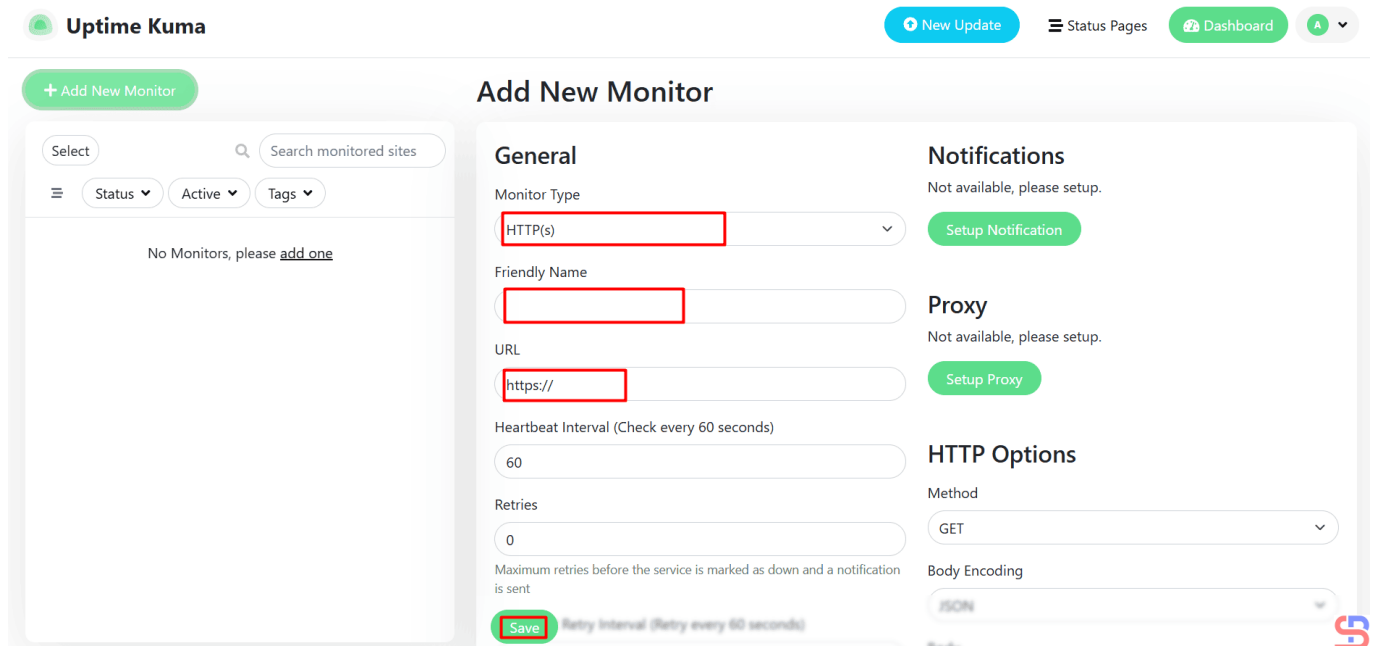
Create username and password for Uptime Kuma

Enter the username and password you want then press the **Create** button, there will be a display as below:



Display of uptime kema application

If you want to monitor a host or a website, click the **Add New Monitor** button like in the below image:



Create a new host or a website to monitor in uptime kuma

Fill in the required fields (at least fill in the **Monitor Type**, **Friendly Name**, and **URL** columns) and press the **Save** button, then the host you have filled in will look like in the image below:

Uptime Kuma

+ Add New Monitor

Select

Search monitored sites

Status Active Tags

Youtube

Pause Edit Clone Delete

Check every 60 seconds

Up

Response	Avg. Response	Uptime	Uptime	Cert Exp.
(Current) 955 ms	(24-hour) 974 ms	(24-hour) 100%	(30-day) 100%	(2026-02-25) 63 days

Recent

Response Time (ms)

Status

DateTime

Message

Clear Data

Up

2025-12-24 16:09:18

200 - OK

Monitor the host or the website

If you just want to display the status without displaying many attributes then you can click the **Status Pages** button at the top right of the layer then there will be a display like below:

Status Pages

+ New Status Page

No status pages

Click the New Status Page button

Click the **New Status** page button, then there will be a display as below:

Add New Status Page

Name

Slug

/status/

- Accept characters: a-z 0-9 -
- Start or end with a-z only
- No consecutive dashes --

Next

Create the Status Page page

Enter the name and slug you want (I wrote the **sites** for the name and slug), then press the **Next** button, then there will be a display as below:

The image shows the configuration interface for a status page. On the left is a sidebar with various settings: Slug (set to /status/sites), Title (sites), Description, Footer Text, Theme (Auto), Show Tags, Show Powered By, Show Certificate Expiry, Domain Names, Google Analytics ID, and Custom CSS. At the bottom of the sidebar are buttons for Delete, Save, and Discard. The main area shows the configuration for the 'sites' status page, including a 'Create Incident' button, a 'No Services' message, a 'Description' field, an 'Add Group' button, an 'Add a monitor' section with a dropdown menu (currently showing 'Youtube'), and a 'Custom Footer' section with text: 'Powered by Uptime Kuma', 'Last Updated: 2025-12-24 16:55:02', and 'Refresh in: 04:07'.

Insert the host or the monitor in the Status Page

Enter the host you want to display on the Status Page, after that click the **Save** button, then there will be a display as below:

The image shows the final status page for 'sites'. The browser address bar shows 'Not secure 192.168.56.105:3001/status/sites'. The page header includes the 'sites' title and buttons for 'Edit Status Page' and 'Go to Dashboard'. A large green banner indicates 'All Systems Operational'. Below this is a 'Services' section with a progress bar for 'Youtube' showing 60.51% uptime, updated 47m ago. The footer contains the text: 'Powered by Uptime Kuma', 'Last Updated: 2025-12-24 16:56:34', and 'Refresh in: 04:15'.

Display of Status Page

You can see that the hosts to be monitored look simpler and you can give the URL to other parties to also monitor these hosts.

Note

If you want to backup the uptime kuma database running on docker and how to restore the database, you can go to [this page](#).

References

uptimekuma.org
kb.biznetgio.com