How to Monitor Apache Performance Using mod_status in Ubuntu

James Kiarie | September 28, 2020 | Apache, Ubuntu | 6 Comments

While you can always have a peek at Apache log files to get information about your webserver such as active connections, you can get a very detailed overview of your web server's performance by enabling the **mod_status** module.

What is the mod_status module?

The **mod_status** module is an Apache module that allows users to access highly detailed information about Apache's performance on a plain HTML page. In fact, Apache maintains its own server status page for general public viewing.

You can view status for Apache (Ubuntu) by heading over to the address below:

- https://apache.org/server-status

Check Apache Performance Status
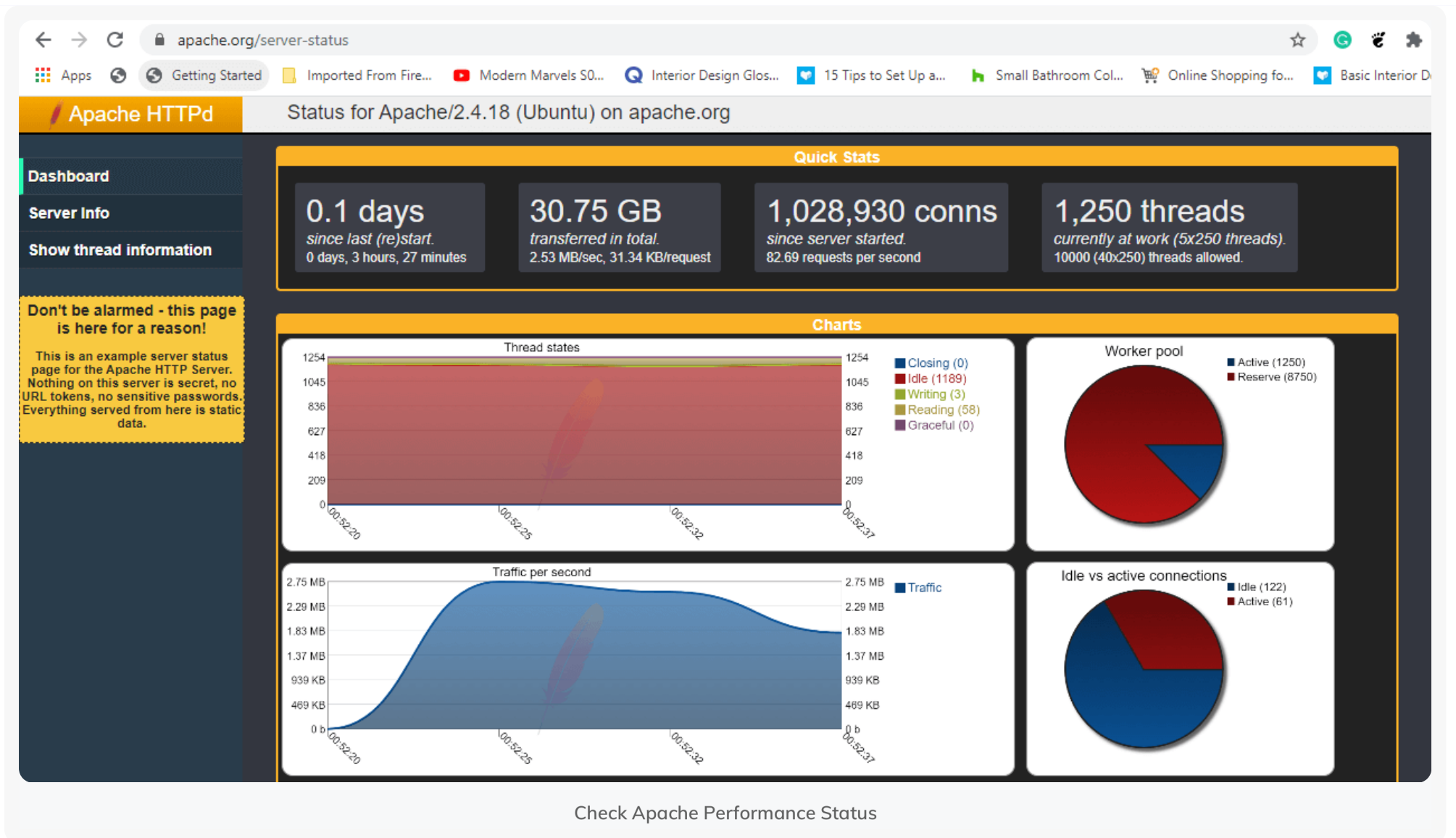
The Apache **mod_status** makes it possible to serve a plain HTML page containing information such as:

- Server version
- Current day and time in UTC
- Server Uptime
- Server load
- Total traffic
- Total number of incoming requests
- The webserver's CPU usage
- PIDs with the respective clients and so much more.

Let's now shift gears and see how you can get up-to-date statistics about Apache web server.

Testing Environment

```
Operating System:       Ubuntu 20.04
Application:            Apache HTTP server
Version:               2.4.41
IP address:            34.123.9.111
Document root:         /var/www/html
```

Enable mod_status in Apache Ubuntu

By default, Apache ships with the **mod_status** module already enabled. You can verify this by checking the **mods_enabled** directory by running ls command as shown:

```
$ ls /etc/apache2/mods-enabled
```


Check mod_status Module in Apache Ubuntu

Ensure that the `status.conf` and `status.load` files are present. If not, you need to enable **mod_status** module by invoking the command:

```
$ sudo /usr/sbin/a2enmod status
```

Configure mod_status in Apache Ubuntu

As stated earlier, the **mod_status** is already enabled. However, additional tweaks are required for you to access the server-status page. To do so, you need to modify the `status.conf` file.

```
$ sudo vim /etc/apache2/mods-enabled/status.conf
```

Set the **Require ip** directive to reflect the IP address of the machine that you will be accessing the server from.

Configure mod_status Module in Apache Ubuntu

Save the changes and restart Apache for the changes to take effect to confirm the status as shown:

```
$ sudo systemctl restart apache2
```

Then verify the status of Apache and ensure it up and running.

```
$ sudo systemctl status apache2
```

Check Apache Status in Ubuntu

Thereafter, browse the web server's URL as shown.

```
http://server-ip/server-status
```

You will get a status HTML page displaying a host of Apache's information and an array of statistics as shown.

Monitor Apache Ubuntu Performance

NOTE: To have the page refresh after every a given time interval, for example, **5** seconds, append the `"?refresh=5"` at the end of the URL.

```
http://server-ip/server-status?refresh=5
```

This provides a better monitoring capacity of your server's performance than the plain static HTML page earlier on.

That's all for now about the **mod_status** module. Stay Tuned to Tecmint for so much more.

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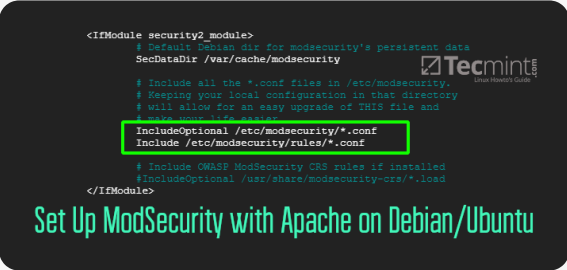
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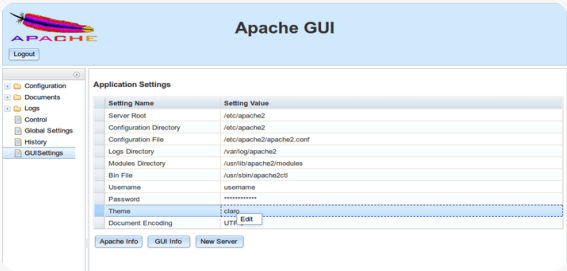
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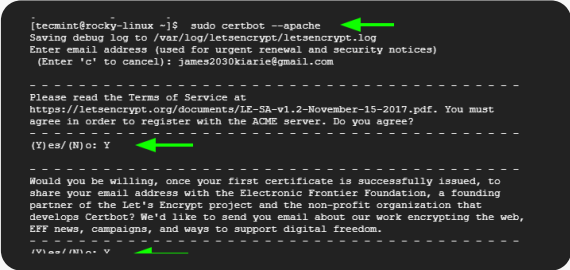**"Forbidden – You don't have permission to access / on this server" Error**

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