

Increase script execution time in Ubuntu and CentOS

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How to increase script execution time in Ubuntu and CentOS?

Overview: This article explains how to increase the script execution time in Ubuntu and CentOS by modifying the `max_execution_time` directive in the PHP configuration. It covers updating the `php.ini` file for both Apache and CLI, using commands to automate the process, and adjusting the memory limit for optimal performance.

This directive, **`max_execution_time`**, specifies the maximum time (in seconds) that a PHP script is allowed to run before it is terminated.

Open the **`php.ini`** file and change the **`max_execution_time`** to 300 seconds (5 minutes).

Replace the PHP version from the below command.

```
root@ubuntu ~]# php -v

PHP 7.4.3 (cli) (built: Aug 17 2022 13:29:56) ( NTS )

root@ubuntu ~]# vim /etc/php/7.4/apache2/php.ini

max_execution_time = 300

memory_limit = 256M

root@ubuntu ~]# vim /etc/php/7.4/cli/php.ini

max_execution_time = 300

memory_limit = 256M
```

To change the script execution time in CentOS 7/8.

Open the **`php.ini`** file and change the **`max_execution_time`** to 300 seconds (5 minutes).

Replace the PHP version from the below command.

```
root@centos ~]# php -v

PHP 7.4.3 (cli) (built: Aug 17 2022 13:29:56) ( NTS )
```

```
root@centos ~]# vim /etc/php.ini
```

```
max_execution_time = 300
```

```
memory_limit = 256M
```

Note:

Execute the following command to add the new maximum execution time for apache web server using single command

```
read -p "Enter new maximum execution time (e.g., 600): " time && sed -i "s/^max_execution_time =.*/max_execution_time = $time/" /etc/php/$(php -v | head -n 1 | awk '{print $2}' | cut -d. -f1,2)/apache2/php.ini
```

Execute the following command to add the new maximum execution time for command line

```
read -p "Enter new maximum execution time (e.g., 600): " time && sed -i "s/^max_execution_time =.*/max_execution_time = $time/" /etc/php/$(php -v | head -n 1 | awk '{print $2}' | cut -d. -f1,2)/cli/php.ini
```

Execute the following command to add new memory limit for apache web server

```
read -p "Enter new memory limit (e.g., 2G): " memory && sed -i "s/^memory_limit =.*/memory_limit = $memory/" /etc/php/$(php -v | head -n 1 | awk '{print $2}' | cut -d. -f1,2)/apache2/php.ini
```

Execute the following command to add the new memory limit for command line

```
read -p "Enter new memory limit (e.g., 2G): " memory && sed -i "s/^memory_limit =.*/memory_limit = $memory/" /etc/php/$(php -v | head -n 1 | awk '{print $2}' | cut -d. -f1,2)/cli/php.ini
```

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