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) and max_input_vars to 10000.

Replace the PHP version from the below command.

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

PHP 8.3.3 (cli) (built: Aug 17 2022 13:29:56) ( NTS )

root@ubuntu ~]# vim /etc/php/8.3/apache2/php.ini

max_execution_time = 300

max_input_vars = 10000

memory_limit = 256M

root@ubuntu ~]# vim /etc/php/8.3/cli/php.ini

max_execution_time = 300

max_input_vars = 10000

memory_limit = 256M

root@ubuntu ~]# systemctl restart apache2
```

To change the script execution time in CentOS 7/8, Alma linux 9, Rocky Linux 9

Open the **php.ini** file and change the **max_execution_time** to 300 seconds (5 minutes) and max_input_vars to 10000.

Replace the PHP version from the below command.

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

PHP 8.3 (cli) (built: Aug 17 2022 13:29:56) ( NTS )

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

max_execution_time = 300

max_input_vars =10000

memory_limit = 256M
```

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 = $time/I" /etc/php/$(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 = $time/I" /etc/php/$(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 = $memory/I" /etc/php/$(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 = $memory/I" /etc/php/$(php -v | head -n 1 | awk '{print $2}' | cut -d. -f1,2)/cli/php.ini

How to find PHP memory limit, max execution time, post max size, max_input_vars and upload max file size?

root@gateway :~# grep -v '^\s*#' /etc/php/8.3/apache2/php.ini | grep -i 'max_execution_time\|post_max_size\|upload_max_filesize\|memory_limit\|max_input_time\|max_input_vars'

max_input_time = 600

max_execution_time = 300

memory_limit = 1G

post_max_size = 1G

upload_max_filesize = 1G

max_input_vars = 10000

root@gateway :~# grep -v '^\s*#' /etc/php/8.2/cli/php.ini |grep -i 'max_execution_time\|post_max_size\|upload_max_filesize\|memory_limit\|max_input_time\|max_input_vars'

max_input_time = 600

max_execution_time = 300

memory_limit = 1G

post_max_size = 1G

upload_max_filesize = 1G

max_input_vars = 10000

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How to upgrade PHP to 7.4 on Centos 7

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