

Configure Certain Settings in php.ini on Ubuntu Server 22.04 for NextCloud 27.0.0

We need to locate the php.ini file on the Ubuntu Server and then switch to that directory.

```
:~$ cd /etc/php/8.1/apache2/  
:~$ /etc/php/8.1/apache2/$  
:~$ /etc/php/8.1/apache2/$ ls  
:~$ /etc/php/8.1/apache2/$ php.ini
```

Edit php.ini using vim or nano.

```
:~$ vim php.ini
```

Within the php.ini file, locate and modify the following settings to read as follows, and enable date.timezone by deleting the leading semicolon ';date.timezone ='

```
memory_limit = 512M  
upload_max_filesize = 500M  
post_max_size = 500M  
max_execution_time = 300  
date.timezone = America/New_York
```

Here is another author's similar list for making changes. For the basic nextcloud deployment, change the default options using the following configuration.

```
file_uploads = On  
allow_url_fopen = On  
memory_limit = 512M  
upload_max_filesize = 500M  
post_max_size = 600M  
max_execution_time = 300  
display_errors = Off  
date.timezone = Europe/Amsterdam  
output_buffering = Off
```

Save and close the php.ini file when you are finished. Then, start the Apache and MySQL service and enable them to start after system reboot with the following commands:

```
sudo systemctl reload apache2  
sudo systemctl start apache2  
sudo systemctl start mysql  
sudo systemctl enable apache2  
sudo systemctl enable mysql
```

These commands will run like the following.

```
:~$ sudo systemctl reload apache2
[sudo] password for user:
OR
:~$ sudo systemctl start apache2

:~$ sudo systemctl start mysql
:~$ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with
/lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable apache2
:~$ sudo systemctl enable mysql
Synchronizing state of mysql.service with SysV service script with
/lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable mysql
:~$
```

Use Vim to open php.ini again to enable opcache extension and configure its options and behavior.

```
cd /etc/php/8.1/apache2/
vim php.ini
```

First, uncomment the 'zend_extension=opcache' option to load the opcache extension. Uncomment means to remove the leading semi-colon ";" at the front of the line containing 'zend_extension=opcache' which will enable this extension in php.

```
Before
;zend_extension=opcache
```

```
After (uncommented)
zend_extension=opcache
```

Now, move down to the '[opcache]' section of the php.ini file and add the following configuration. Basically, just find the appropriate line and uncomment the line by removing the leading ';' semi-colon. You can safely ignore the . . . lines in the code box below.

```
[opcache]
...
....
.....
opcache.enable = 1
opcache.interned_strings_buffer = 8
opcache.max_accelerated_files = 10000
opcache.memory_consumption = 128
opcache.save_comments = 1
opcache.revalidate_freq = 1
```

Press ESC button to exit the INS mode of Vim and save the configuration by entering :w [enter], then exit by entering :q!

Now restart the apache service to apply new changes using the command below.

```
sudo systemctl restart apache2
```

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