

[HOWTO] mod_ruid2

Hello everyone,

Since there are alot of people asking for it, here is my HowTo about mod_ruid2
This is based on my CentOS server with Apache 2.x.

Installing this module its no longer needed to chmod config files to 666 or upload/attachments directories to 777. Since with this module enabled everything @ HTTP will run under the user itself and not 'apache' anymore.

** If you are using mod_ruid instead of mod_ruid2, first of all remove the mod_ruid line from **'/etc/httpd/conf/httpd.conf'**

First, we are going to install **libcap-devel**

Quote:

```
yum -y install libcap-devel
```

After this is done we are going to download and install mod_ruid2

Quote:

```
wget http://dave.t0xic.nl/tars/mod\_ruid2-0.9.3.tar.bz2
tar xjf mod_ruid2-0.9.3.tar.bz2
cd mod_ruid2-0.9.3
apxs -a -i -l cap -c mod_ruid2.c
```

Now, if you didn't get any errors mod_ruid2 should be installed and added to the **'/etc/httpd/conf/httpd.conf'**.

Lets confirm mod_ruid2 is added

Quote:

```
grep 'mod_ruid2' /etc/httpd/conf/httpd.conf
```

If you get any response like below its installed

Quote:

```
LoadModule ruid2_module /usr/lib/apache/mod_ruid2.so
```

Now we need to modify the DA httpd.conf templates a little bit to enable mod_ruid2 for the users

Now copy the template files to custom

Quote:

```
cd /usr/local/directadmin/data/templates/
cp virtual_host2* custom/
chown -R diradmin:diradmin custom/
```

Now you have copied the original templates to the 'custom' directory, so they won't be overwritten.

Now follow the steps below for each virtual_host2 file you've copied

Quote:

```
nano -w virtual_host2.conf
## replace line: SuexecUserGroup |USER| |GROUP|
## replace with: #SuexecUserGroup |USER| |GROUP|
## Add the lines below under the just replaced line
RMode config
RUidGid |USER| |GROUP|
RGroups apache
```

Save the files and lets rewrite the HTTPd config files

Quote:

```
echo "action=rewrite&value=httpd" >> /usr/local/directadmin/data/task.queue
```

If you want you can start the rewrite of the HTTPd config files manually, just paste the line below and wait when its done

Quote:

```
/usr/local/directadmin/dataskq d800
```

After the rewrite is complete you can restart HTTPd with the command below

Quote:

```
/etc/init.d/httpd restart
```

Now mod_ruid2 should be installed and you don't need to chmod anymore like 'chmod 666 config.php' or 'chmod 777 uploads'.

To be sure the webmail clients etc still works we need to change the owner permissions

Quote:

```
chown -R webapps:webapps /var/www/html
```

**** Questions with Answers ****

Q: How can I test this is working?

A: Easy, install some CMS that you are used before. Like Wordpress, Joomla that required (before!!) chmod 666 or 777 to get install/working.

Q: I've dirs/files owned by apache for some users, must I change this?

A: Yes, you need to give the dirs/files owner of the user itself, not apache anymore. Check below

Thanks for snk for the commands below, to fix the owner permissions of the dirs/files

Quote:

```
cd /usr/local/directadmin/scripts && ./set_permissions.sh user_homes
find /home/*/domains/*/public_html -type d -print0 | xargs -0 chmod 711
find /home/*/domains/*/public_html -type f -print0 | xargs -0 chmod 644
find /home/*/domains/*/public_html -type f -name '*.cgi*' -exec chmod 755 {} \;
find /home/*/domains/*/public_html -type f -name '*.pl*' -exec chmod 755 {} \;
find /home/*/domains/*/public_html -type f -name '*.pm*' -exec chmod 755 {} \;
cd /usr/local/directadmin/data/users && for i in `ls`; do { chown -R $i:$i /home/$i/domains/*/public_html; }; done;
```

** Added '&&' so if they do a typo, it won't change anything.*

You are missing a question, or you have a question, please let me know and I'll try to answer them for you! 🍷

Why most people reboot the server when they have a problem 🙄

Last edited by daveyw; 01-18-2011 at 07:46 AM.