

# Pitfalls on other Linux Systems

## AppArmor

If AppArmor is running, and mysql or apache2 data directories are other as the default, this must be changed in the apparmor config too.

See <https://askubuntu.com/questions/916009/mysql-wont-start-because-of-apparmor>

## SELinux enabled

The `sestatus` command provides a configurable view into the status of SELinux. The simplest form of this command shows the following information:

```
[root@localhost ~]# sestatus
SELinux status:                enabled
SELinuxfs mount:              /selinux
Current mode:                  enforcing
Mode from config file:         enforcing
Policy version:                21
Policy from config file:       targeted
```

If SELinux is enabled, the corresponding ACL labels has to be added to the translate5 writeable files/directories.

We assume the installation in `/var/www/html` and the DocumentRoot in `/var/www/html/public`.

```
chcon -R -t httpd_sys_rw_content_t /var/www/html/data
chmod -R o+w /var/www/html/data

chcon -R -t httpd_sys_rw_content_t /var/www/html/public/modules/editor/images/imageTags
chmod -R o+w /var/www/html/public/modules/editor/images/imageTags
```

The existing imageTags should also be writeable, since updates will perhaps manipulate the already existing images in the future.

To check for valid ACL context do the following (if `httpd_sys_content_rw_r` is invalid):

```
semanage fcontext -l | grep http
```

Since **chcon changes are only temporarily** (the previous values are restored with `restorecon`) the above changes made with `chcon` should be added to the definition list in

```
/etc/selinux/targeted/contexts/files/file_contexts
```

**It is possible that the writeable folders needed for translate5 will change in future!**

## PHP Log

If no errors are logged in the configured PHP Log file, the reason is probably the same as above, so call also `chcon` on the php log file and add it to the persistent `file_contexts` list.

## Using .htaccess is not configured

If only `index.php` is working, but for example `/login` gives an 404 error, check the apache config if using `.htaccess` files is enabled.

In the `httpd.conf` there should be something like that:

```
<Directory "/var/www/html/public">
    Options Indexes FollowSymLinks

    AllowOverride All

    Require all granted
</Directory>
```

Ensure that **AllowOverride** is **All** and not **None**!