

Data directory is not writable even after chmod

Ben Henley - 2019-07-03 - Comment (1) - Deskpro Legacy

Question

The installer tells me that my data directory isn't writable. I used chmod to make it writable, but I still get the message. It seems like chmod is not working. What's going on

(Answer (Apache

This can happen in distributions that use the SELinux access control mechanism. SELinux access policies are separate from file permissions. You likely have an SELinux policy that prevents Apache from writing to files within its root folder (e.g. /var/www

:To test this, temporarily disable SELinux

```
"echo 0 >/selinux/enforce$ cat /selinux/enforce # should output "0 $
```

If it is SELinux causing the problem, you can either leave it off (losing the security benefits) or turn it back on and fine-tune your SELinux access controls

:This command will make the data directory writable with SELinux on

```
/chcon --type=httpd_sys_rw_content_t /var/www/data
```

(Answer (Nginx

:You will want to set SELinux into permissive mode

```
semanage permissive -a httpd_t $
```

.See [Nginx documentation](#) for further assistance