SELinux - Services Blocked by SELinux

SELinux Blocked Apache Access to Files

```
setsebool -P httpd_unified 1
sudo /sbin/restorecon -R /var/www/html
```

VSFTPD OOPS Error

Issue the following command: `setsebool -P ftp_home_dir 1`

SSH bind port error permission denied

Issue the following command: `semanage port –a –t ssh_port_t –p tcp 1234`

Permission denied HTTP Error 403

Issue the following command: `chcon -R --reference=/var/www /path/to/webroot`

SELinux Denied HTTPD Access to MYSQLD on 127.0.0.1

1. `grep mysqld /var/log/audit/audit.log | audit2allow -M mysqld`
2. `semodule -i mysqld.pp`

SELinux Denied FTP Access to SMB Share

1. Try to login with ncftp first and you will see the error "`OOPS: cannot change directory: /path/to/samba_share`"
2. Execute command: `su -c "grep ftpd_t /var/log/audit/audit.log | allow2audit -M ftpd_smb && semodule -i ftpd_smb"`
3. Try to login again with ncftp and ls command will return empty list a although it isn't
4. Execute command: `su -c "grep ftpd_t /var/log/audit/audit.log | allow2audit -M ftpd_smb && semodule -i ftpd_smb"`
5. Execute command => `sudo setsebool -P allow_ftpd_full_access on`
6. Execute command => `sudo setsebool -P ftp_home_dir on`

Owncloud Custom Data Directory Denied

Assume owncloud data directory: `/var/data`

```
Install policycoreutils-python
/etc/init.d/restorecond start
chkconfig restorecond on
semanage fcontext -a -t httpd_sys_content_t '/var/data(/.*)?'
restorecon -Rv /var/data
```

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