

Assignment: Lab 11: Web Server + SELinux

Return 1:

```
[root@rhel01 web_server]# sealert -a /var/log/audit/audit.log
100% done
100% done
found 1 alerts in /var/log/audit/audit.log
-----
SELinux is preventing /usr/sbin/httpd from getattr access on the file /web_server/index.html.

**** Plugin catchall_labels (83.8 confidence) suggests ****

If you want to allow httpd to have getattr access on the index.html file
Then you need to change the label on /web_server/index.html
Do
# semanage fcontext -a -t FILE_TYPE '/web_server/index.html'
where FILE_TYPE is one of the following: NetworkManager_exec_t, NetworkManager_log_t, NetworkManager_tmp_t, abrt_dump_oops_exec_t, abrt_etc_t, abrt_exec_t, abrt_handle_event_exec_t, abrt_helper_exec_t, abrt_retrace_coredump_exec_t, abrt_retrace_spool_t, abrt_retrace_worker_exec_t, abrt_tmp_t, abrt_upload_watch_tmp_t, abrt_var_cache_t, abrt_var_log_t, abrt_var_run_t, accountsd_exec_t, acct_data_t, acct_exec_t, admin_crontab_tmp_t, admin_passwd_exec_t, afs_logfile_t, aide_exec_t, aide_log_t, alsa_exec_t, alsa_tmp_t, amanda_exec_t, amanda_log_t, amanda_recover_exec_t, amanda_tmp_t, amtu_exec_t, anacron_exec_t, anon_inodefs_t, antivirus_exec_t, antivirus_log_t, antivirus_tmp_t, apcupsd CGI content_t, apcupsd CGI htaccess_t, apcupsd CGI ra_content_t, apcupsd CGI rw_content_t, apcupsd CGI script_exec_t, apcupsd_log_t, apcupsd_tmp_t, apm_exec_t, apmd_log_t, apmd_tmp_t, arptwatch_tmp_t, asterisk_log_t, asterisk_tmp_t, audisp_exec_t, auditadm_sudo_tmp_t, auditctl_exec_t, auditd_tmp_t, auth_cache_t, authconfig_exec_t, automount_tmp_t, avahi_exec_t, awstats_content_t, awstats_htaccess_t, awstats_ra_content_t, awstats_rw_content_t, awstats_script_exec_t, awstats_tmp_t, bacula_admin_t,
```

Return 2:

The issue has been resolved with the commands:

```
[root@rhel01 web_server]#
[root@rhel01 web_server]# semanage fcontext -a -t httpd_sys_content_t '/web_server(/.*)?'
[root@rhel01 web_server]# restorecon -Rv '/web_server/index.html'
Relabeled /web_server/index.html from unconfined_u:object_r:default_t:s0 to unconfined_u:object_r:httpd_sys_content_t:s0
[root@rhel01 web_server]# getcontext
bash: getcontext: command not found...
[root@rhel01 web_server]# ls -lZ /web_server/
total 4
-rw-r--r--. 1 apache apache unconfined_u:object_r:httpd_sys_content_t:s0 82 May  2 14:40 index.html
[root@rhel01 web_server]# su manish
[manish@rhel01 web_server]$
```

Now the page can be accessed.

