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QUESTION 1

SIMULATION

After installing a new web server, you are unable to browse to the default web page.
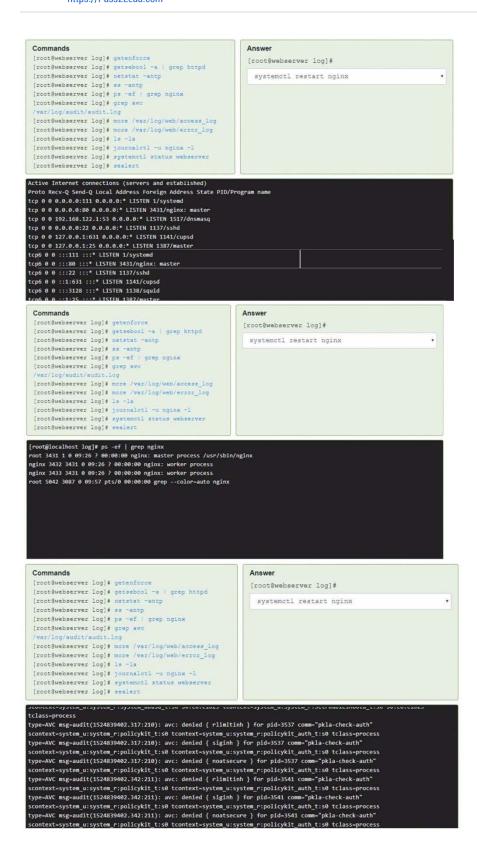
INSTRUCTIONS

Review all the command output and select the command needed to remediate the issue.

If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

![Pass2Lead](https://Pass2Lead.com)
Commands

```
[root@webserver log]# getenforce
[root@webserver log]# getsebool -a | grep httpd
[root@webserver log]# netstat -antp
[root@webserver log]# ss -antp
[root@webserver log]# ps -ef | grep nginx
[root@webserver log]# grep avc
/var/log/audit/audit.log
[root@webserver log]# more /var/log/web/access_log
[root@webserver log]# more /var/log/web/error_log
[root@webserver log]# ls -la
[root@webserver log]# journalctl -u nginx -1
[root@webserver log]# systemctl status webserver
[root@webserver log]# sealert
```

Answer

```
[root@webserver log]#
```

| systemctl restart nginx | ▼ |

Output

Commands

```
[root@webserver log]# getenforce
[root@webserver log]# getsebool -a | grep httpd
[root@webserver log]# netstat -antp
[root@webserver log]# ss -antp
[root@webserver log]# ps -ef | grep nginx
[root@webserver log]# grep avc
/var/log/audit/audit.log
[root@webserver log]# more /var/log/web/access_log
[root@webserver log]# more /var/log/web/error_log
[root@webserver log]# ls -la
[root@webserver log]# journalctl -u nginx -1
[root@webserver log]# systemctl status webserver
[root@webserver log]# sealert
```

Answer

```
[root@webserver log]#
```

| systemctl restart nginx | ▼ |

```
[root@localhost log]# getsebool -a | grep httpd
httpd_anon_write --> off
httpd_builtin_scripting --> on
httpd_can_check_spam --> off
httpd_can_connect_ftp --> off
httpd_can_connect_ldap --> off
httpd_can_connect_mythtv --> off
httpd_can_connect_zabbix --> off
httpd_can_network_connect --> off
httpd_can_network_connect_cobbler --> off
httpd_can_network_connect_db --> off
httpd_can_network_memcache --> off
httpd_can_network_relay --> off
httpd_can_sendmail --> off
httpd_dbus_avahi --> off
httpd_dbus_sssd --> off
httpd_dontaudit_search_dirs --> off
httpd_enable_cgi --> on
httpd_enable_ftp_server --> off
httpd_enable_homedirs --> off
httpd_execmem --> off
httpd_graceful_shutdown --> on
httpd_manage_ipa --> off
httpd_mod_auth_ntlm_winbind --> off
httpd_mod_auth_pam --> off
httpd_read_user_content --> off
httpd_run_ipa --> off
```

Commands

```
[root@webserver log]# getenforce
[root@webserver log]# getsebool -a | grep httpd
[root@webserver log]# netstat -antp
[root@webserver log]# ss -antp
[root@webserver log]# ps -ef | grep nginx
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[root@webserver log]# more /var/log/web/error_log
[root@webserver log]# ls -la
[root@webserver log]# journalctl -u nginx -l
[root@webserver log]# systemctl status webserver
[root@webserver log]# sealert
```

Answer

```
[root@webserver log]#
```

    systemctl restart nginx   ▼

```
Active Internet connections (servers and established)
Proto Recv-Q Send-Q Local Address Foreign Address State PID/Program name
tcp 0 0 0.0.0.0:111 0.0.0.0:* LISTEN 1/systemd
tcp 0 0 0.0.0.0:80 0.0.0.0:* LISTEN 3431/nginx: master
tcp 0 0 192.168.122.1:53 0.0.0.0:* LISTEN 1517/dnsmasq
tcp 0 0 0.0.0.0:22 0.0.0.0:* LISTEN 1137/sshd
tcp 0 0 127.0.0.1:631 0.0.0.0:* LISTEN 1141/cupsd
tcp 0 0 127.0.0.1:25 0.0.0.0:* LISTEN 1387/master
tcp6 0 0 :::111 :::* LISTEN 1/systemd
tcp6 0 0 :::80 :::* LISTEN 3431/nginx: master
tcp6 0 0 :::22 :::* LISTEN 1137/sshd
tcp6 0 0 ::1:631 :::* LISTEN 1141/cupsd
tcp6 0 0 :::3128 :::* LISTEN 1138/squid
tcp6 0 0 ::1:25 :::* LISTEN 1387/master
```

Commands

```
[root@webserver log]# getenforce
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[root@webserver log]# journalctl -u nginx -l
[root@webserver log]# systemctl status webserver
[root@webserver log]# sealert
```

Answer

```
[root@webserver log]#
```

    systemctl restart nginx   ▼

```
[root@localhost log]# ps -ef | grep nginx
root 3431 1 0 09:26 ? 00:00:00 nginx: master process /usr/sbin/nginx
nginx 3432 3431 0 09:26 ? 00:00:00 nginx: worker process
nginx 3433 3431 0 09:26 ? 00:00:00 nginx: worker process
root 5042 3087 0 09:57 pts/0 00:00:00 grep --color=auto nginx
```

Commands

```
[root@webserver log]# getenforce
[root@webserver log]# getsebool -a | grep httpd
[root@webserver log]# netstat -antp
[root@webserver log]# ss -antp
[root@webserver log]# ps -ef | grep nginx
[root@webserver log]# grep avc
/var/log/audit/audit.log
[root@webserver log]# more /var/log/web/access_log
[root@webserver log]# more /var/log/web/error_log
[root@webserver log]# ls -la
[root@webserver log]# journalctl -u nginx -l
[root@webserver log]# systemctl status webserver
[root@webserver log]# sealert
```

Answer

```
[root@webserver log]#
```

    systemctl restart nginx   ▼

```
tclass=process
type=AVC msg=audit(1524839402.317:210): avc: denied { rlimitinh } for pid=3537 comm="pkla-check-auth"
scontext=system_u:system_r:policykit_t:s0 tcontext=system_u:system_r:policykit_auth_t:s0 tclass=process
type=AVC msg=audit(1524839402.317:210): avc: denied { siginh } for pid=3537 comm="pkla-check-auth"
scontext=system_u:system_r:policykit_t:s0 tcontext=system_u:system_r:policykit_auth_t:s0 tclass=process
type=AVC msg=audit(1524839402.317:210): avc: denied { noatsecure } for pid=3537 comm="pkla-check-auth"
scontext=system_u:system_r:policykit_t:s0 tcontext=system_u:system_r:policykit_auth_t:s0 tclass=process
type=AVC msg=audit(1524839402.342:211): avc: denied { rlimitinh } for pid=3541 comm="pkla-check-auth"
scontext=system_u:system_r:policykit_t:s0 tcontext=system_u:system_r:policykit_auth_t:s0 tclass=process
type=AVC msg=audit(1524839402.342:211): avc: denied { siginh } for pid=3541 comm="pkla-check-auth"
scontext=system_u:system_r:policykit_t:s0 tcontext=system_u:system_r:policykit_auth_t:s0 tclass=process
type=AVC msg=audit(1524839402.342:211): avc: denied { noatsecure } for pid=3541 comm="pkla-check-auth"
scontext=system_u:system_r:policykit_t:s0 tcontext=system_u:system_r:policykit_auth_t:s0 tclass=process
```

Commands

```
[root@webserver log]# getenforce
[root@webserver log]# getsebool -a | grep httpd
[root@webserver log]# netstat -antp
[root@webserver log]# ss -antp
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[root@webserver log]# ls -la
[root@webserver log]# journalctl -u nginx -l
[root@webserver log]# systemctl status webserver
[root@webserver log]# sealert
```

Answer

```
[root@webserver log]#

    systemctl restart nginx                        ▼
```

```
3.10.0-693.21.1.el7.x86_64 #1 SMP Wed Mar 7
19:03:37 UTC 2018 x86_64 x86_64
Alert Count 4
First Seen 2018-04-27 09:32:39 CDT
Last Seen 2018-04-27 09:33:36 CDT
Local ID e60f1ef3-d3d6-4ae4-a3e1-0da75f87a3f9

Raw Audit Messages
type=AVC msg=audit(1524839616.973:219): avc: denied { read } for pid=3432 comm="nginx" name="404.html" dev="dm-0"
ino=6853183 scontext=system_u:system_r:httpd_t:s0 tcontext=unconfined_u:object_r:user_home_t:s0 tclass=file


Hash: nginx,httpd_t,user_home_t,file,read
```

Correct Answer: Systemctl restart nginx

QUESTION 2

The Apache web server was recently installed on a Debian/Ubuntu server. The web server fails and a review of log messages on another partition reveals the installation was not completed properly due to lack of disk space. After clearing the files, the systems administrator has requested the installation to be performed again.

Which of the following command lines will perform this task? (Choose two.)

A. apt-get install apache2

B. apt-get --purge remove acache2

C. apt-get --reinstall install apache2

D. apt-get --reinstall apache2

Correct Answer: AB

Reference: https://askubuntu.com/questions/111770/how-reinstall-apache2

QUESTION 3

A new video card was added to a customer workstation. To get the new video card to work correctly, a systems administrator needs to remove support for the nouveau video driver on the Linux workstation.

Which of the following will accomplish this task?

A. Use rmmod -f nouveau.

B. Use modprobe -R nouveau.

C. Add blacklist nouveau to /etc/modprobe.d/blacklist.conf.

D. Add blacklist nouveau to /etc/modprobe.conf.

Correct Answer: A

QUESTION 4

An issue was discovered on a testing branch of a Git repository. A file was inadvertently modified and needs to be reverted to the master branch version. Which of the following is the BEST option to resolve the issue?

A. git branch -b master file

B. git merge master testing

C. git stash branch master

D. git checkout master -- file

Correct Answer: D

Reference: https://www.git-scm.com/book/en/v2/Git-Basics-Undoing-Things

QUESTION 5

After connecting a USB drive, the system is unable to detect it. There is no entry in /dev, and there is no information in the message log. Which of the following is the issue?

A. The USB drive is formatted as a DVD

B. The USB drive is not formatted

C. The kernel module is not installed

D. The permissions of /dev/usb are incorrect

Correct Answer: B

Reference: https://www.makeuseof.com/tag/fix-usb-device-port-linux/

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