PHP□□□□□□□selinux □□apache exec □□□□□

□□□ Administrator
□□, 16 □□ 2018 14:31 - □□□□ □□, 16 □□ 2018 14:42

□□□□□□http://emn178.pixnet.net/blog/post/72463845-php%E5%9F%B7%E8%A1%8C%E5%A4%96%E9%83%A8%E7%A8%8B%E5%BC%8F

How to execute an external program in PHP

□□PHP□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□SELinux、php.ini□□、Sudoer、□□□□□□□□□□□□□□。

□php□□□□□□shell_exec(), exec(), system()□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Linux□□□□□□□□□□□□□□□□□

1. SELinux

□□□php□□□□□□□□□□□□□□shell_exec("ls")□□□□□□□。□□□□□SELinux□□□□□□□/var/log/messages□□□□□□□□□□□□□

□□□□□□□□□□□□□□□□httpd□□□

?	1	# /usr/sbin/getsebool -a | grep httpd

[illegible]

allow_httpd_anon_write -- off allow_httpd_mod_auth_pam -- off allow_httpd_sys_script_anon_write -- off httpd_builtin_scripting -- on httpd_can_network_connect -- off httpd_can_network_connect_db -- off httpd_can_network_relay -- off httpd_disable_trans -- off httpd_enable_cgi -- on httpd_enable_ftp_server -- off httpd_enable_homedirs -- on httpd_rotatelogs_disable_trans -- off httpd_ssi_exec --off httpd_suexec_disable_trans -- off httpd_tty_comm -- off httpd_unified -- on

[illegible] httpd_ssi_exec [illegible] on [illegible]

?	1	# setsebool -P httpd_ssi_exec 1

[illegible] SELinux

[illegible] SELinux [illegible] SELinux [illegible] CentOS [illegible] /etc/selinux/config [illegible]
/etc/sysconfig/selinux

?	1	# vi /etc/selinux/config

[illegible] SELINUX [illegible] disabled

?	1	SELINUX=disabled

[illegible]

[illegible]

[illegible] SELinux [illegible] Fedora [illegible] Red Hat [illegible] setenforce [illegible]

[illegible]

```
# setenforce 0
```

[illegible]

```
# setenforce 1
```

[illegible]

[illegible]

```
echo 0 >/selinux/enforce
```

[illegible]

```
echo 1 >/selinux/enforce
```

2. php.ini

safe_mode

[illegible]php.ini[illegible]safe_mode[illegible]shell_exec()[illegible]exec()[illegible]safe_mode_exec_dir[illegible]

disable_functions

[illegible]php.ini[illegible]shell_exec()[illegible]shell_exec()[illegible]

3. Sudoer

□□□ Administrator
□□, 16 □□ 2018 14:31 - □□□□ □□, 16 □□ 2018 14:42

□□□□□□□□□□apache□□□□□php□□□□□□□□□

? 1 2 3 <?php

□□php□□□□□□apache□□□□□□□□□□□Linux□□□□□□□□□□□□□□□□□□sudoer□□apache□□□□□□□□□□□□□□□□□□□□□

? 1 # visudo

□

? 1 # vi /etc/sudoers

apache□□□□□□□□□□□□□□□□□□□NOPASSWD□□□□□□□□□root□□□□□□□

? 1 apache ALL=(ALL) NOPASSWD: /sbin/ifconfig

□□apache□□tty□□□requiretty□□

? 1 #requiretty

□□□php□□□□sudo□□□□□□□

? 1 2 3 <?php

4. □□□□

□□php□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□。

5. escapeshellarg

□□□□□□□□□□□□□□□□□□□□escapeshellarg()□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

? 1 2 3 <?php

6. □□

□□□□□□□ssh□□□□□□□□□□□□□□□□□□□□php□□□□□□□□□□□□□□□□□□□□/usr/bin/java□□□□□□□□□php□□□□□□□□□□□□jar□□□□□□□□□□□□□□□shell_exec()□□□stdout□□□□stderr□□□□□□shell_exec()□□□□□□□□□□□□□□2>□'
&1 1> /dev/null
'□□□

? 1 2 3 <?php

□□□□