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

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□□□□□□□□□□□□□□□□httpd□□□

```
# /usr/sbin/getsebool -a | grep httpd
```

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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

□□□□□□□□□□□□□□□□□□□□□□□httpd_ssi_exec□on□□□□□□□□□□□

```
# setsebool -P httpd_ssi_exec 1
```

□□SELinux

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□□□□□
/etc/sysconfig/selinux

```
# vi /etc/selinux/config
```

□SELINUX□□□□disabled

```
SELINUX=disabled
```

□□□□□□□□□

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□□□□□□□□□□□□SELinux□□□□□□□□□□□Fedora□Red Hat□setenforce□□

□□

```
# 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

[illegible]apache[illegible]php[illegible]

?

```
<?php
```

[illegible]php[illegible]apache[illegible]Linux[illegible]sudoer[illegible]apache[illegible]

?

```
# visudo
```

[illegible]

?

```
# vi /etc/sudoers
```

apache[illegible]NOPASSWD[illegible]root[illegible]

?

```
apache  ALL=(ALL)       NOPASSWD: /sbin/ifconfig
```

[illegible]apache[illegible]tty[illegible]requiretty[illegible]

?

```
#requiretty
```

[illegible]php[illegible]sudo[illegible]

?

```
<?php
```

4. [illegible]

[illegible]php[illegible]。

5. escapeshellarg

[illegible]escapeshellarg()[illegible]

? 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

□□□□