

知 某局点端口加固工具一直提示PermissionError: [Errno 13]

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问题描述

某个局点ONStor3359版本端口加固工具一直使用不了，在sds用户下提示PermissionError: [Errno 13]

```
[SDS_Admin@h3c ~]# ./port_harden_py3.py -a
Traceback (most recent call last):
  File "/home/SDS_Admin/port_harden/./port_harden_py3.py", line 16, in <module>
    logging.basicConfig(filename="log_port_harden.log", level=logging.INFO, format=LOG_FORMAT)
  File "/opt/h3c/lib/python3.9/logging/_init_.py", line 2003, in basicConfig
    h = FileHandler(filename, mode,
  File "/opt/h3c/lib/python3.9/logging/_init_.py", line 1146, in __init__
    StreamHandler._init_(self, self._open())
  File "/opt/h3c/lib/python3.9/logging/_init_.py", line 1175, in _open
    return open(self.baseFilename, self.mode, encoding=self.encoding,
PermissionError: [Errno 13] Permission denied: '/home/SDS_Admin/port_harden/log_port_harden.log'
```

过程分析

1、从脚本的日志分析，提示当前用户为root，实际登录的用户为SDS_Admin，而且ONStor在当前版本默认禁用了root。

```
2024-06-04 19:44:07,147-[INFO]-[<module>]: current user is root
2024-06-04 19:44:07,154-[INFO]-[get_need_block_all]: get_need_block_all nodes:# # #
2024-06-04 19:44:07,154-[INFO]-[<module>]: need to block nodes:['172.20.195.63', '172.20.195.64', '172.20.195.65']
2024-06-04 19:44:07,154-[INFO]-[get_ip_type]: get ip type:ipv4
2024-06-04 19:44:11,012-[INFO]-[run_cmd]: exec cmd <ssh -o ConnectTimeout=10 172.20.195.63 'cat /etc/ceph/ceph.conf | grep -wE 'man
r = 172.20.195.63
manage_addr =
cluster_addr = 172.20.195.63
, err:Warning: Permanently added '172.20.195.63' (ED25519) to the list of known hosts."
```

2、怀疑脚本的权限不对，ll命令查看发现其用户为root，如下图

```
SDS_Admin@h3c ~]# ll /home/SDS_Admin/port_harden/log_port_harden.log
total 40
-rw-r--r-- 1 root root 6045 Aug 31 10:14 config_port_harden.xlsx
-rwxr-xr-x 1 root root 30130 Aug 31 10:16 port_harden.py
SDS_Admin@h3c ~]#
```

实际正常的权限用户应该为SDS_Admin，如下图：

```
-rw-r--r-- 1 SDS_Admin root 9771 Jun 4 18:27 config_port_harden.xlsx
-rw-r--r-- 1 SDS_Admin root 42673 Jun 4 19:15 log_port_harden.log
-rwxr-xr-x 1 SDS_Admin root 32907 Jun 4 17:44 port_harden.py
-rwxr-xr-x 1 SDS_Admin root 32276 Jun 4 17:44 port_harden_py3.py
```

3、将脚本的权限改为正常后再次巡检，可以正常运行。此时查看日志也会发现此时获取的用户为SDS_Admin

```
2024-06-04 19:14:49,391-[run_cmd]: exec cmd <whoami >> get result: SDS_Admin
2024-06-04 19:14:49,392-[INFO]-[<module>]: current user is SDS_Admin
2024-06-04 19:14:49,413-[INFO]-[get_need_block_all]: get_need_block_all nodes:# # #
2024-06-04 19:14:49,413-[INFO]-[<module>]: need to block nodes:['172.20.195.1', '172.20.195.2', '172.20.195.3']
2024-06-04 19:14:49,413-[INFO]-[get_ip_type]: get ip type:ipv4
2024-06-04 19:14:49,508-[INFO]-[run_cmd]: exec cmd <sudo ssh -o ConnectTimeout=10 SDS_Admin@172.20.195.1 'sudo cat /etc/ceph/ceph.conf | grep -wE 'manage_ad
```

解决方法

如上分析。