

Forum:[Hack Forums](#)

Thread: [Removing parts of the code](#)

jasonnix - January 6, 2024, 3:26 am

Hello,

I found [this](#) article. The following code checks both the username and the MAC address:

Code `#!/usr/bin/python3`

```
import re
import sys
```

```
db_file = '/etc/openvpn/db.txt'
log_file = '/var/log/openvpn/openvpn.log'
regex_mac = 'IV_HWADDR=(.*)'
regex_username = 'depth=0, CN=(.*)'
login = False
```

```
logs_username_mac_list = []
```

```
with open(log_file, 'r') as log:
    lines = log.readlines()
    # read only latest 100 lines
    last_50_lines = lines[-50:]
    # iterate latest 50 lines
    for line in last_50_lines:
```

```
    match_mac = re.search(regex_mac, line)
    if match_mac:
        log_mac = match_mac.group(1)
        print(log_mac)
        # on match, add it to list
        logs_username_mac_list.append(log_mac)
```

```
    match_username = re.search(regex_username, line)
    if match_username:
        log_username = match_username.group(1)
        print(log_username)
        logs_username_mac_list.append(log_username)
```

```
# fetch username and mac address from database
with open(db_file, 'r') as db:
    for line in db.readlines():
```

```
        splitter = line.split('-', 1)
        # 0 index is username, removing newline
        db_username = (splitter[0]).rstrip("\n")
```

```

print(db_username)
# 1 index is mac, removing newline
db_mac = (splitter[1]).rstrip("\n")
print(db_mac)
if db_username in logs_username_mac_list:
    user_index = logs_username_mac_list.index(db_username) - 1
    print(user_index)
    mac_index = logs_username_mac_list[user_index]
    print(user_index)
    # if log mac matches db_mac
    if mac_index == db_mac:
        print("true")
        login = True
        print(login)

if login:
    sys.exit(0)
else:
    sys.exit(1)I just want the mac address to be checked. I changed the code as follows:
Code #!/usr/bin/python3

```

```

import re
import sys

```

```

db_file = '/etc/openvpn/db.txt'
log_file = '/var/log/openvpn/openvpn.log'
regex_mac = 'IV_HWADDR=(.*)'
login = False

```

```

logs_mac_list = []

```

```

with open(log_file, 'r') as log:
    lines = log.readlines()
    # read only latest 100 lines
    last_50_lines = lines[-50:]
    # iterate latest 50 lines
    for line in last_50_lines:

        match_mac = re.search(regex_mac, line)
        if match_mac:
            log_mac = match_mac.group(1)
            print(log_mac)
            # on match, add it to list
            logs_mac_list.append(log_mac)

```

```

# fetch username and mac address from database
with open(db_file, 'r') as db:
    for line in db.readlines():

        splitter = line.split('-', 1)

```

```
# 1 index is mac, removing newline
db_mac = (splitter[1]).rstrip("\n")
print(db_mac)
mac_index = logs_mac_list[user_index]
print(user_index)
# if log mac matches db_mac
if mac_index == db_mac:
    print("true")
    login = True
    print(login)
```

```
if login:
    sys.exit(0)
else:
    sys.exit(1)Is it OK?
```

Thank you.

Charlie Sheen - January 6, 2024, 3:29 am

The comment says "read only latest 100 lines", but the code actually reads the last 50 lines (last_50_lines = lines[-50:]). You should correct the comment

Also

The variable user_index is used in the line mac_index = logs_mac_list[user_index] but is not initialized or defined anywhere in the script. This will cause a NameError at runtime. You need to define user_index or revise the logic to correctly index logs_mac_list.

jasonnix - January 6, 2024, 3:50 am

(Jan 6, 2024 04:29 AM)Charlie Sheen Wrote: [\[CITE\]](#) The comment says "read only latest 100 lines", but the code actually reads the last 50 lines (last_50_lines = lines[-50:]). You should correct the comment

Also

The variable user_index is used in the line mac_index = logs_mac_list[user_index] but is not initialized or defined anywhere in the script. This will cause a NameError at runtime. You need to define user_index or revise the logic to correctly index logs_mac_list.

Hello,

Thank you so much for your reply.

Can you change the code for MAC address?

snoopy717 - January 8, 2024, 4:24 am

This help u

Code with open(log_file, 'r') as log:

```
lines = log.readlines()
# read only latest 100 lines
last_50_lines = lines[-50:]
# iterate latest 50 lines
for line in last_50_lines:
```

```

match_mac = re.search(regex_mac, line)
if match_mac:
    log_mac = match_mac.group(1)
    print(log_mac)
    # on match, add it to list
    logs_username_mac_list.append(log_mac)

```

```

with open(db_file, 'r') as file:
    # Read the content of the file
    file_content = file.read()

```

```

for line in logs_username_mac_list:
    if line in file_content:
        print(db_username)
if you have any question, PM me.

```

jasonnix - January 19, 2024, 10:44 am

(Jan 8, 2024 05:24 AM)snoopy717 Wrote: [\[CITE\]](#) This help u

```

Code with open(log_file, 'r') as log:
    lines = log.readlines()
    # read only latest 100 lines
    last_50_lines = lines[-50:]
    # iterate latest 50 lines
    for line in last_50_lines:

```

```

match_mac = re.search(regex_mac, line)
if match_mac:
    log_mac = match_mac.group(1)
    print(log_mac)
    # on match, add it to list
    logs_username_mac_list.append(log_mac)

```

```

with open(db_file, 'r') as file:
    # Read the content of the file
    file_content = file.read()

```

```

for line in logs_username_mac_list:
    if line in file_content:
        print(db_username)
if you have any question, PM me.

```

Hello,

Thank you so much for your reply.

If you read the original code, you will see the following lines that are related to allowing the user to log in:

Code ...

```

if mac_index == db_mac:
    print("true")
    login = True
    print(login)

```

if login:

```
sys.exit(0)
```

```
else:
```

```
sys.exit(1)I think you forgot it!
```