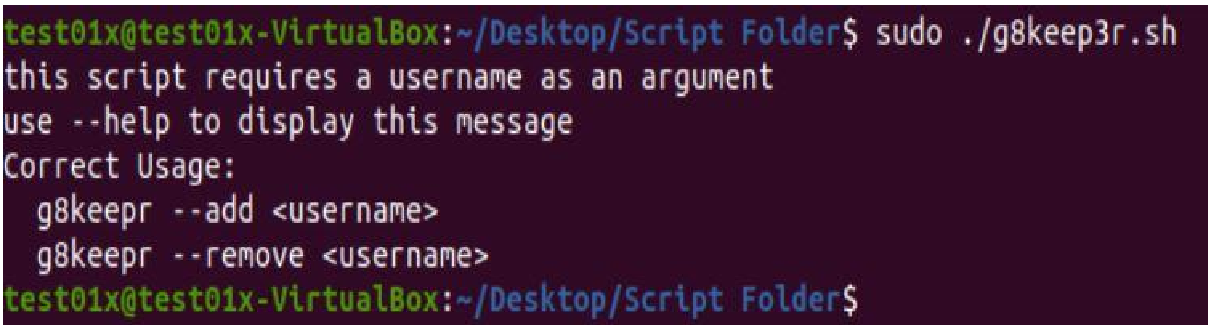
# SSH Intrusion Detector Testing

Gary Khodayari and Yuri Elt
February 8th, 2022

## Test Results

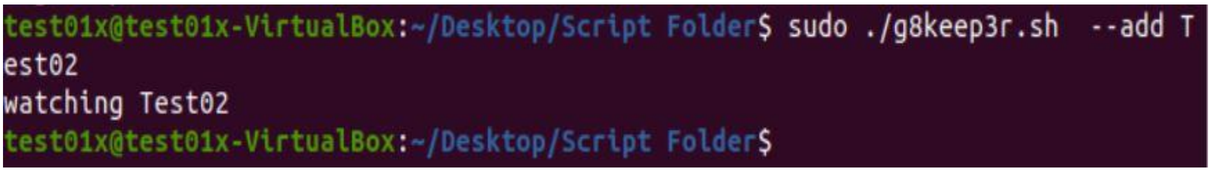
### Run the script without adding a username.



```
test01x@test01x-VirtualBox:~/Desktop/Script Folder$ sudo ./g8keep3r.sh
this script requires a username as an argument
use --help to display this message
Correct Usage:
  g8keepr --add <username>
  g8keepr --remove <username>
test01x@test01x-VirtualBox:~/Desktop/Script Folder$
```

If the user runs the script without argument (username).

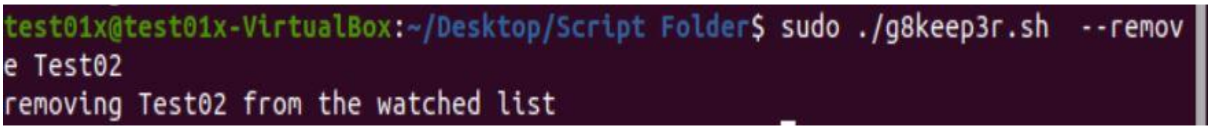
### Add the username to the watchlist file.



```
test01x@test01x-VirtualBox:~/Desktop/Script Folder$ sudo ./g8keep3r.sh  --add T
est02
watching Test02
test01x@test01x-VirtualBox:~/Desktop/Script Folder$
```

If the user wants to manually add the username to the watchlist file.

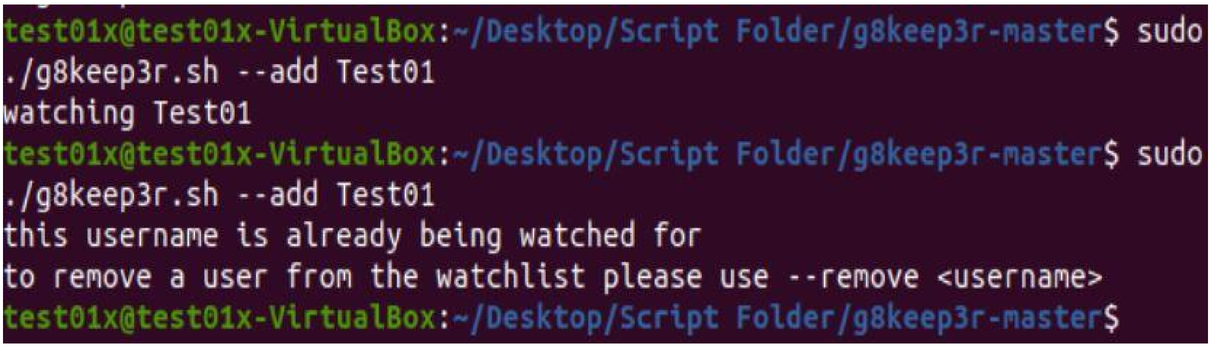
### Remove the username from the watchlist file.



```
test01x@test01x-VirtualBox:~/Desktop/Script Folder$ sudo ./g8keep3r.sh  --remov
e Test02
removing Test02 from the watched list
```

If the user wants to manually remove the username from the watchlist file.

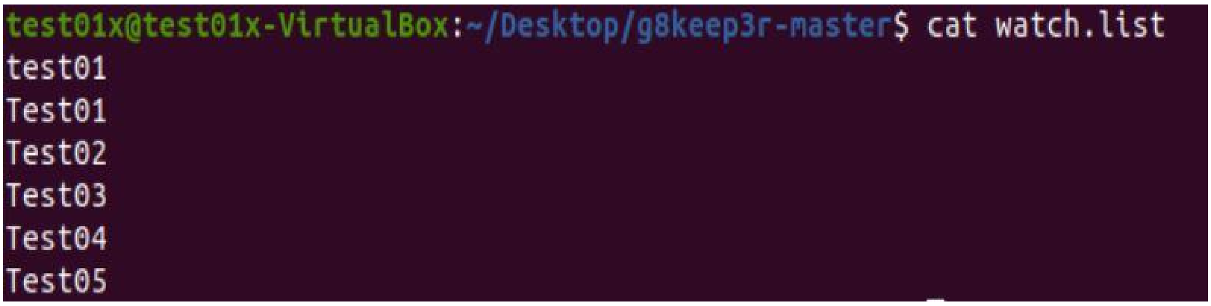
### Prevent the duplicate usernames if there is an existing username in the watch file.



```
test01x@test01x-VirtualBox:~/Desktop/Script Folder/g8keep3r-master$ sudo
./g8keep3r.sh --add Test01
watching Test01
test01x@test01x-VirtualBox:~/Desktop/Script Folder/g8keep3r-master$ sudo
./g8keep3r.sh --add Test01
this username is already being watched for
to remove a user from the watchlist please use --remove <username>
test01x@test01x-VirtualBox:~/Desktop/Script Folder/g8keep3r-master$
```

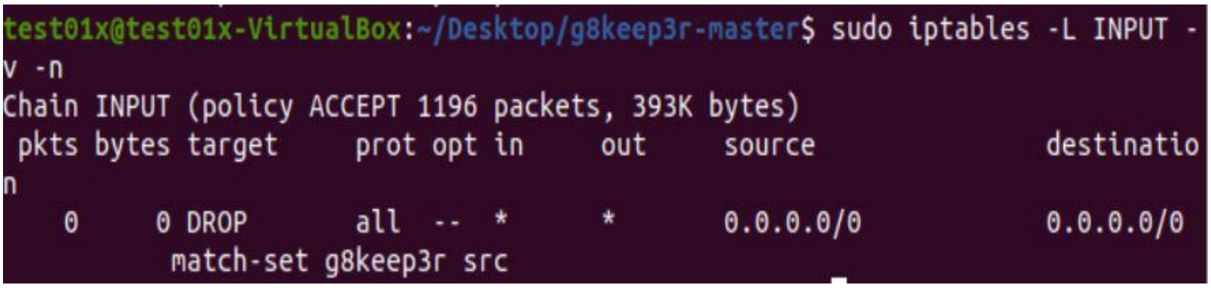
This test shows that the user can’t add the same username if it is already on the watchlist file.

### Show list of banned usernames



```
test01x@test01x-VirtualBox:~/Desktop/g8keep3r-master$ cat watch.list
test01
Test01
Test02
Test03
Test04
Test05
```

### Show iptable banned the test user with localhost IP



```
test01x@test01x-VirtualBox:~/Desktop/g8keep3r-master$ sudo iptables -L INPUT -
v -n
Chain INPUT (policy ACCEPT 1196 packets, 393K bytes)
 pkts bytes target     prot opt in     out     source               destinatio
n
    0     0 DROP       all  --  *      *       0.0.0.0/0            0.0.0.0/0
           match-set g8keep3r src
```

Match-set g8keep3r src shows that the localhost user got banned due to the “watchlist” file.