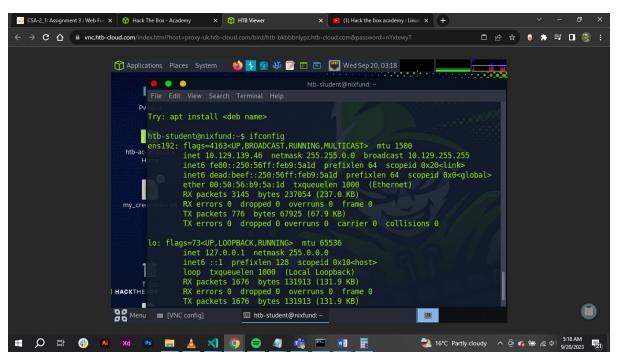
Linux Fundamentals

Introduction

The module intends to introduce the Security Analyst enthusiast to the fundamentals of Linux-based system. Since this the tool widely used in the world of security. Among the knowledge to be acquainted with is navigating files directories, granting and revoking rights, use the Linux shell, as there are many Linux-based servers.

The goal of the learner in this module is:

- Understand the architecture and components of Linux-based operating systems.
- Learn basic file system navigation and command line usage.
- Gain familiarity with Linux security features, user accounts, and permissions.
- Configure and utilize basic networking tools and services in Linux.



```
× (1) Hack the box academy : Linux × +
                                                                                                                                                                                                 × 1 HTB Viewer
← → C 🛕 🛍 vnc.htb-cloud.com/index.html?host=proxy-uk.htb-cloud.com/bird/htb-bkbbbnlypz.htb-cloud.com&password=nYxtewy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Applications Places System 🐞 🛂 📶 🐠 📝 🖪 📧 🕎 Wed Sep 20, 03:27
                                                                                                                            File Edit View Search Terminal Help
                                                                                                                                                                   TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
                                                                                                                                 lo: flags=73<UP,L00PBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 1676 bytes 131913 (131.9 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 1676 bytes 131913 (131.9 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0
                                                                                                                                 htb-student@nixfund:~$ pwd
                                                                                                                                  /home/htb-student
                                                                                                                            htb-student@nixfund:~$ ls -la
total 32
                                                                                               Menu [VNC config]
                                                                                                                                                                                                                               htb-student@nixfund: ~
                                                                                                                                                                                                                                                                                                                                                                                                             ($\frac{1}{2}\) 16°C Partly cloudy \( \sigma \) \( \frac{1}{2}\) \( \frac{1}2\) \( \frac{1}2\) \( \frac{1}2\) \( \frac{1}2\) \( \frac{1}2\) \( \frac{1}2\) \(
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Conclusion

- Understood the architecture and components of Linux-based operating systems.
- Learnt basic file system navigation and command line usage.
- Gained familiarity with Linux security features, user accounts, and permissions.
- Configured and utilize basic networking tools and services in Linux.