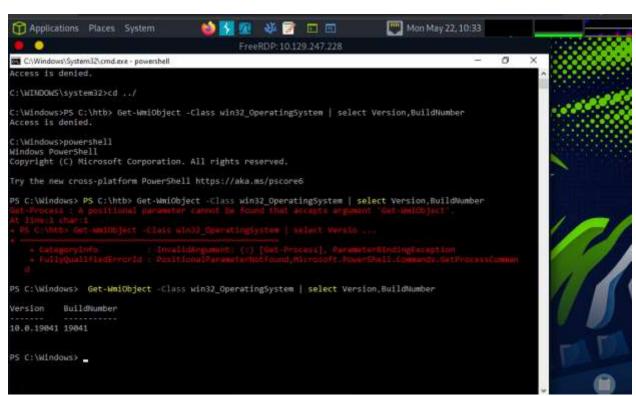
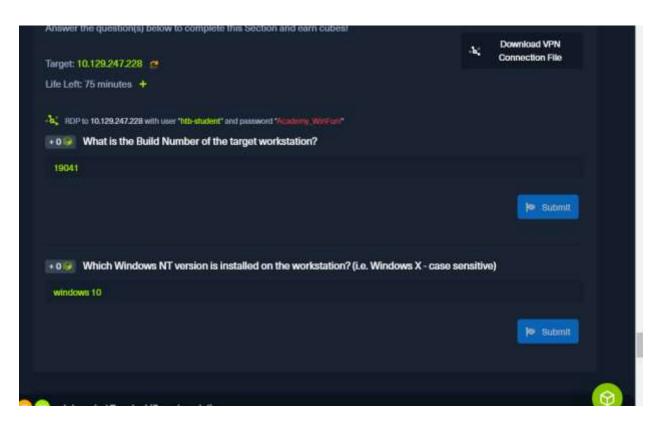
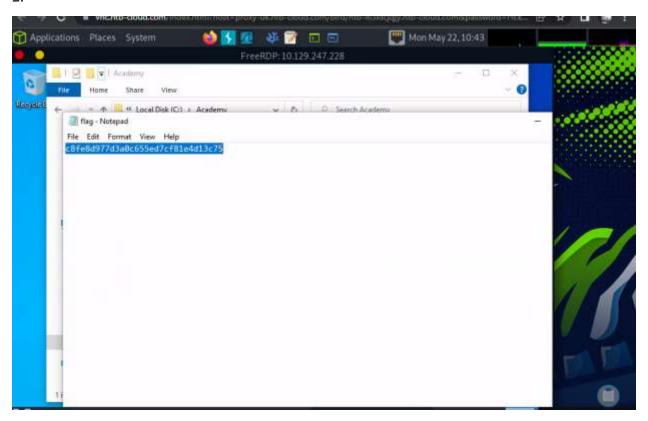
WINDOWS FUNDAMENTALS-HackTheBox

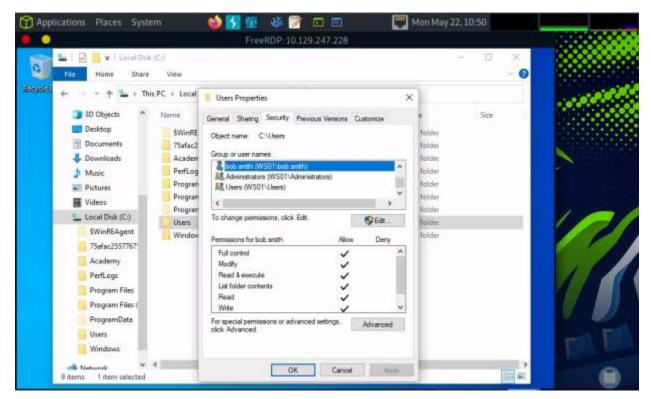
Introduction

This report provides an overview of key concepts in Windows Fundamentals, focusing on the assignment in the HackTheBox Academy. Windows Fundamentals encompasses essential aspects of Windows operating systems, including system architecture, user management, file systems, and security measures. Through hands-on challenges and practical scenarios, participants gain a comprehensive understanding of Windows operating systems and learn how to analyze and secure Windows-based systems effectively. This report will delve into these key concepts, with screenshots showing how to get answers to the provided tasks up to the completion level. The screenshots show commands used on PowerShell or cmd to get to the answers needed.

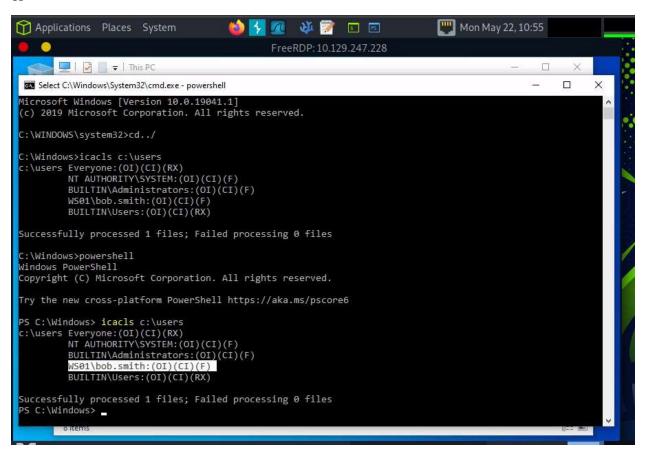


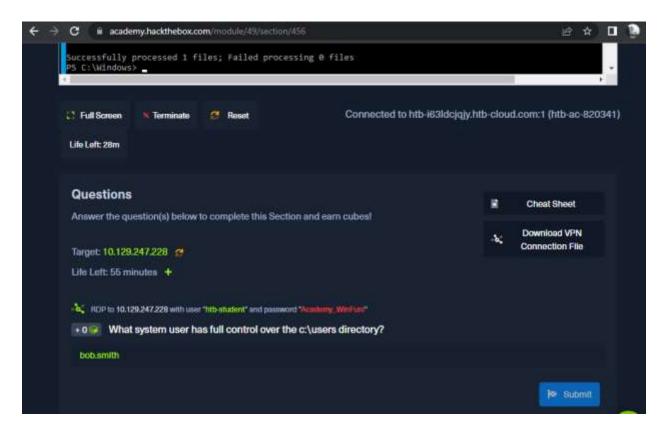


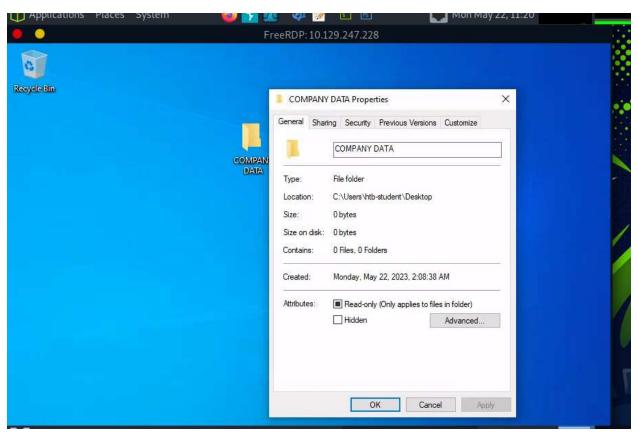


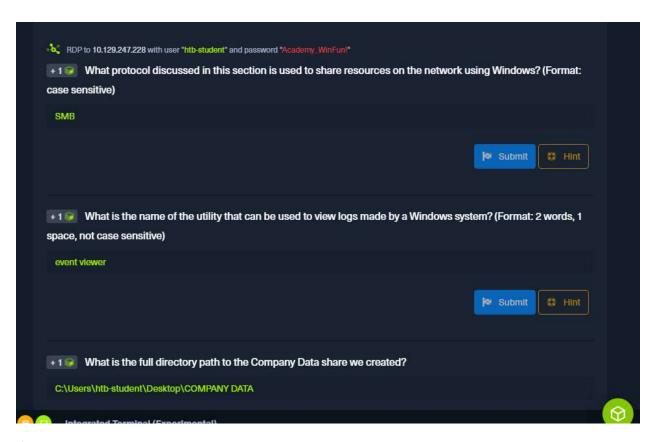


or

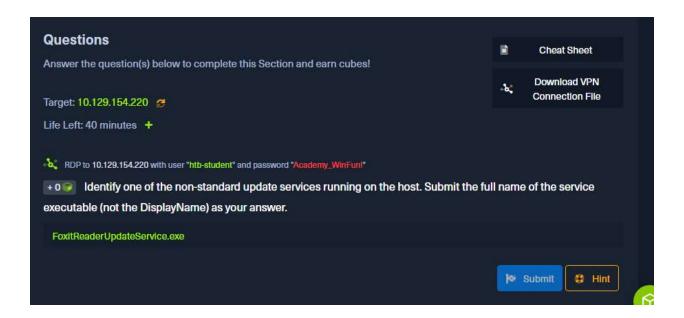


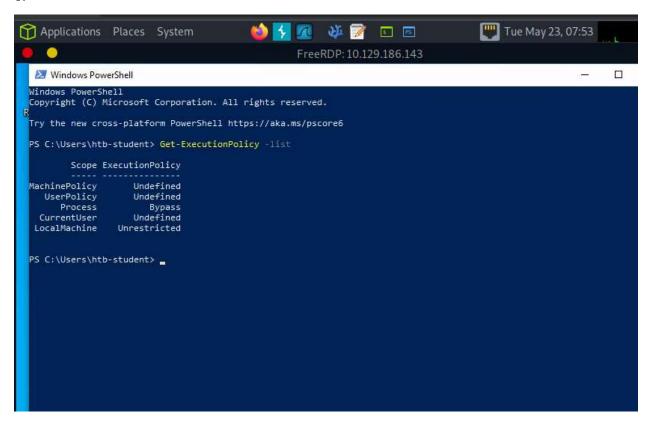


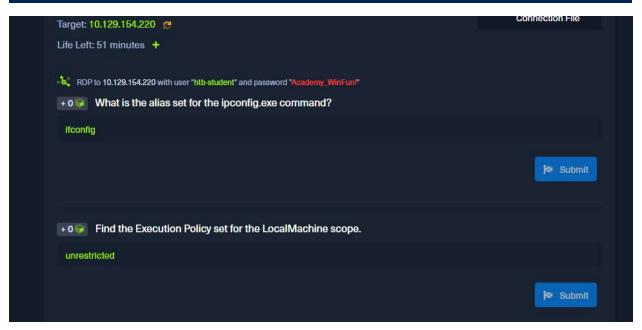


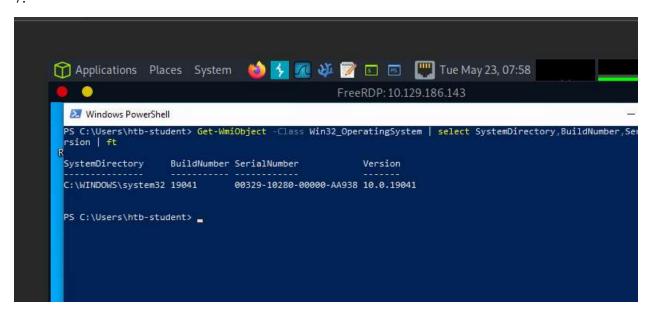


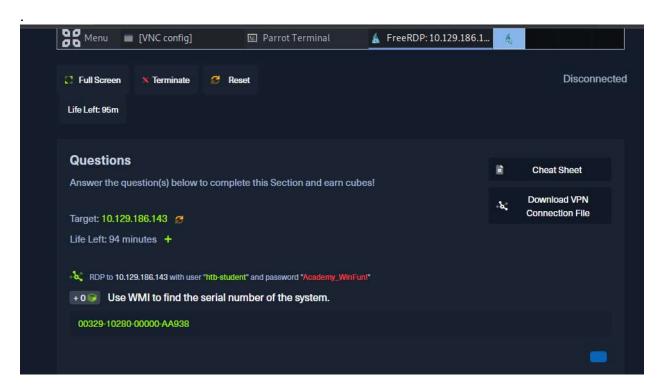
```
Select Windows PowerShell
                                                                                                                                        X
                                     2124 Services
                                     2168 Services
2176 Services
 svchost.exe
                                                                                    8,088 K
Rsvchost.exe
                                                                            0
 sychost.exe
                                     2244 Services
                                                                            0
                                                                                    8,136 K
                                     2252 Services
                                                                                    6,388 K
9,432 K
 svchost.exe
                                     2260 Services
 svchost.exe
 svchost.exe
                                     2372 Services
                                                                                   12,436 K
                                                                                    9,292 K
9,808 K
                                     2448 Services
2520 Services
 svchost.exe
                                                                            0
 svchost.exe
                                     2556 Services
                                                                            0
 spoolsv.exe
                                                                                   15,204 K
                                                                                   19,804 K
                                     2604 Services
 svchost.exe
                                                                                    7,256 K
9,892 K
                                     2680 Services
 svchost.exe
 svchost.exe
                                     3028 Services
                                     3036 Services
3048 Services
                                                                                   29,404 K
13,564 K
18,532 K
 svchost.exe
 svchost.exe
                                                                            0
 svchost.exe
                                     3056 Services
                                     1664 Services
                                                                                    7,140 K
9,120 K
 FoxitReaderUpdateService.
 svchost.exe
                                     2844 Services
 svchost.exe
                                     3076 Services
                                                                                    5,608 K
                                     3084 Services
3096 Services
3116 Services
 VGAuthService.exe
                                                                                   10,864 K
                                                                                   5,896 K
20,832 K
                                                                            0
 vm3dservice.exe
 vmtoolsd.exe
                                                                            0
                                     3160 Services
 MsMpEng.exe
                                                                                  211,428 K
                                                                                   16,388 K
10,536 K
 svchost.exe
                                     3196 Services
 svchost.exe
                                      3228 Services
                                      3320 Services
 svchost.exe
                                                                                     5,408 K
                                     3340 RDP-Tcp#1
 vm3dservice.exe
                                                                                    6,744 K
                                                                                   13,828 K
15,556 K
dllhost.exe
WmiPrvSE.exe
                                     3880 Services
                                     3172 Services
                                                                            0
```

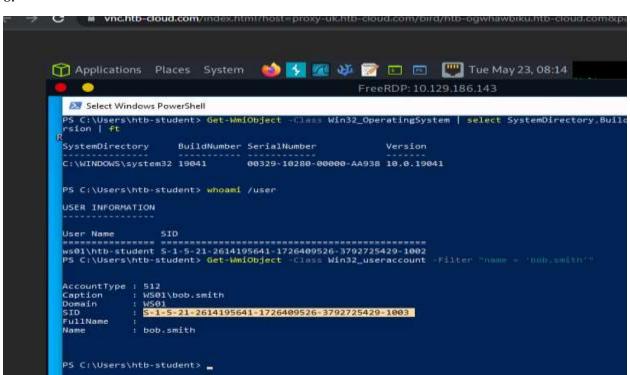


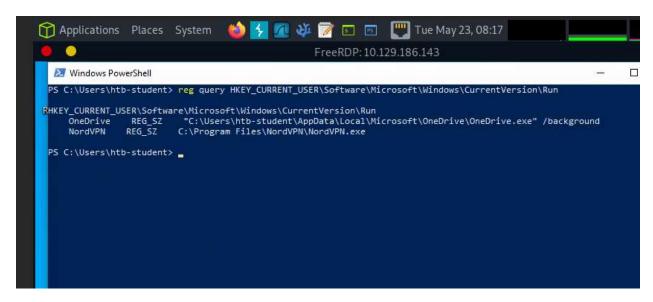




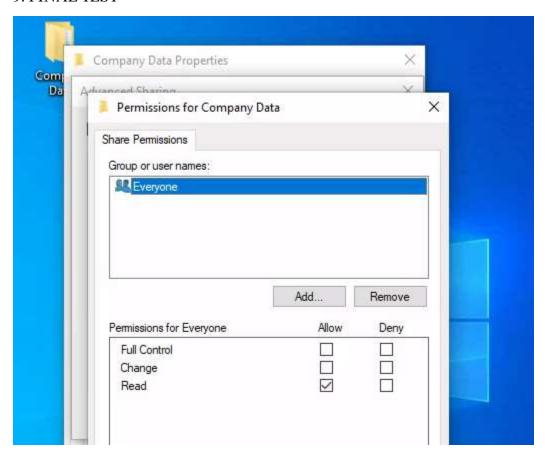


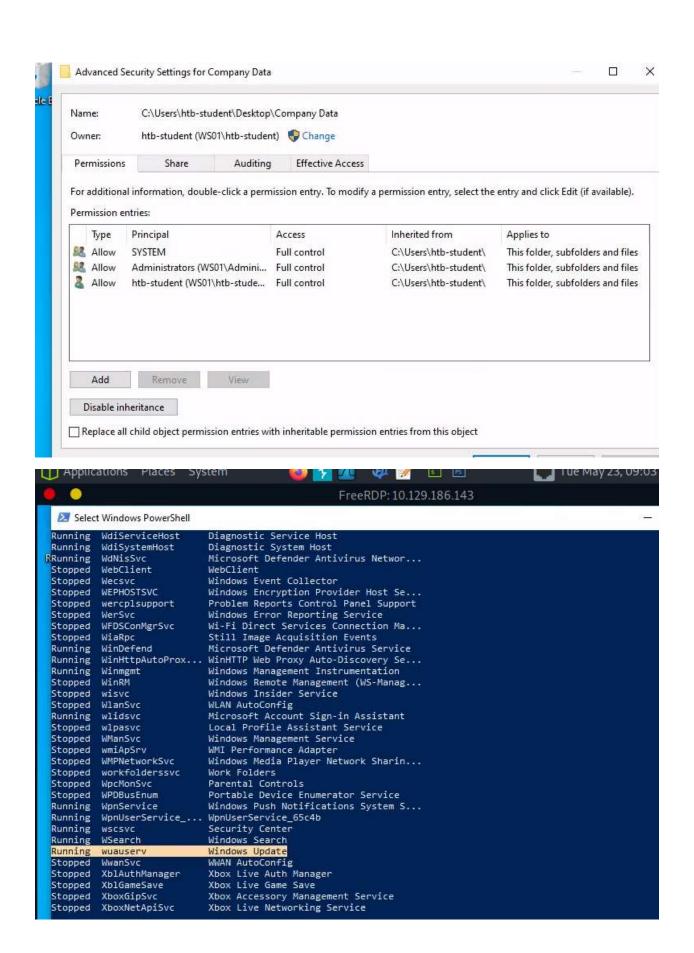






9. FINAL TEST





```
Select Windows PowerShell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ×
Administrator S-1-5-21-2614195641-1726409526-3792725429-500 bob.smith S-1-5-21-2614195641-1726409526-3792725429-1003 DefaultAccount S-1-5-21-2614195641-1726409526-3792725429-1003 defaultuser0 S-1-5-21-2614195641-1726409526-3792725429-1000 Guest S-1-5-21-2614195641-1726409526-3792725429-501 htb-student S-1-5-21-2614195641-1726409526-3792725429-1000 S-1-5-21-2614195611-1726409526-3792725429-1000 S-1-5-21-2614195641-1726409526-3792725429-1000 S-1-
   PS C:\Users\htb-student> wmic useraccount get name,sid
  Jim S-1-5-21-2014195041-1726409526-3792725429-1002

mrb3n S-1-5-21-2614195641-1726409526-3792725429-1001

WDAGUtilityAccount S-1-5-21-2614195641-1726409526-3792725429-504
   PS C:\Users\htb-student> wmic group get name,sid
 Administrators
Backup Operators
Cryptographic Operators
Distributed COM Users

        Cryptographic Operators
        S-1-5-32-569

        Distributed COM Users
        S-1-5-32-569

        Event Log Readers
        S-1-5-32-573

        Guests
        S-1-5-32-546

        Hyper-V Administrators
        S-1-5-32-568

        SITS_IUSRS
        S-1-5-32-568

        Network Configuration Operators
        S-1-5-32-556

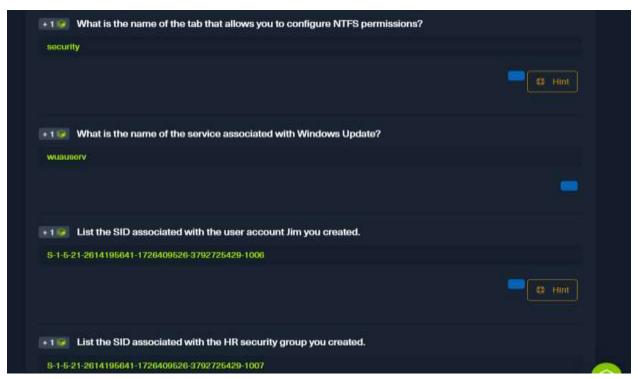
        Performance Log Users
        S-1-5-32-558

        Performance Monitor Users
        S-1-5-32-558

        Power Users
        S-1-5-32-547

        Remote Desktop Users
        S-1-5-32-580

   Power Users
Remote Desktop Users
Remote Management Users
                                                                                                                                                                                                               5-1-5-32-580
   Replicator
                                                                                                                                                                                                             S-1-5-32-552
S-1-5-32-581
   System Managed Accounts Group
Users
                                                                                                                                                                                                                   S-1-5-32-545
                                                                                                                                                                                                                S-1-5-21-2614195641-1726409526-3792725429-1007
   HR
   PS C:\Users\htb-student> 🕳
```



Completed



Sharable link

https://academy.hackthebox.com/achievement/820341/49

Conclusion:

In conclusion, the assignment on Windows Fundamentals in the HackTheBox Academy has provided a valuable learning experience and enhanced my understanding of essential concepts in Windows operating systems. Through the hands-on challenges and practical scenarios, I have gained a deeper knowledge of system architecture, user management, file systems, and security measures within Windows environments.

One of the key takeaways from this assignment is the importance of a solid foundation in Windows Fundamentals for effective cybersecurity practices right from accessing Hackthebox machine to working with it to solve a range of simple to complex tasks. Understanding the inner workings of Windows operating systems allows for better analysis and identification of vulnerabilities, as well as the implementation of appropriate security measures to protect against potential threats.

Overall, the Windows Fundamentals assignment has not only deepened my understanding of Windows operating systems but also equipped me with practical skills and knowledge to analyze and secure Windows-based systems effectively ranging from creating users and setting permission to using the command prompt and PowerShell tools effectively. This experience has been invaluable in strengthening my cybersecurity expertise and preparedness for real-world scenarios. I look forward to applying the knowledge and skills gained from this assignment in future endeavors within the cybersecurity field.