



# (CYBER SECURITY INTERNSHIP REPORT)

[ShadowFox]



AUGUST 10, 2024
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Task Level (Hard):

2) Using the Tryhackme platform, launch the Basic Pentesting room. Penetrate the room and answer all the questions that are given to you on the website and also create a detailed document of the process of penetration and how you did it.

## Vulnerability: Basic Pentesting Room on TryHackMe

# 8.1 Vulnerability: Exploitation of Simulated Vulnerabilities in Basic Pentesting Room

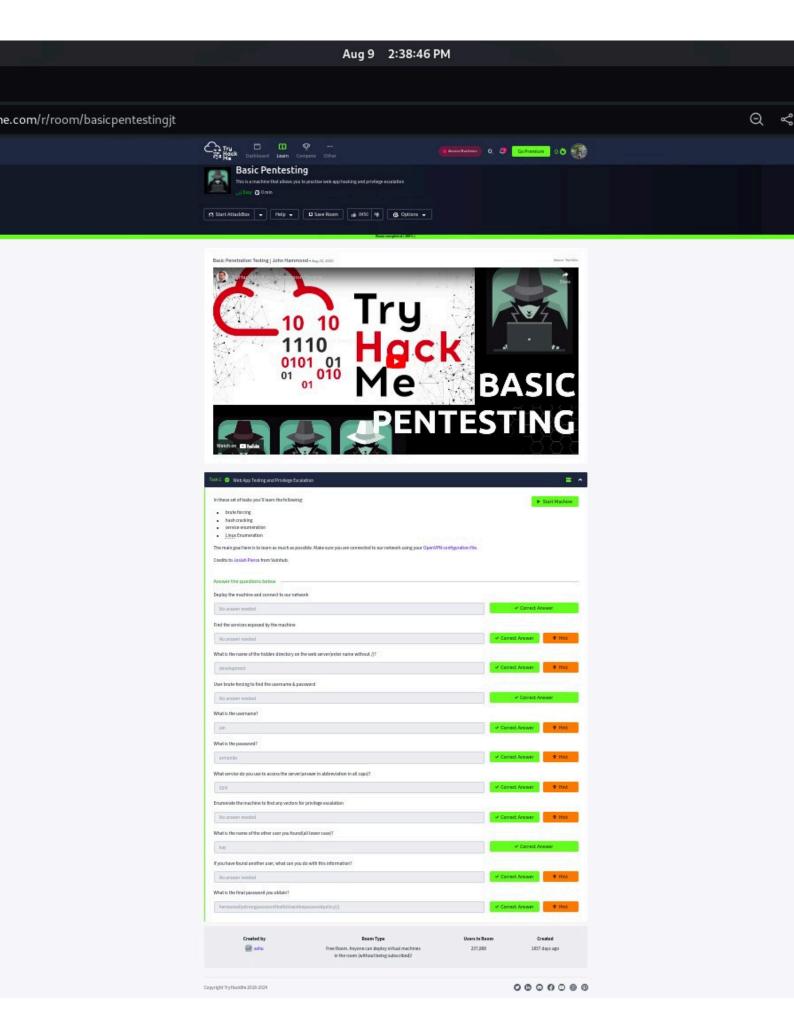
- Severity: Critical.
- Description: To understand the Basic Pentesting room on TryHackMe and this room challenges to exploit various vulnerabilities within a simulated environment, following through tasks that involve exploiting weaknesses in web applications and network services. The vulnerabilities in this room can include the range of common security issues like SQL injection, cross-site scripting (XSS), command injection, insecure configurations, and others.

#### Recommendations

- Conduct Regular Penetration Testing: Regularly we can use to do the penetration testing in real world environments to identify and the address of vulnerabilities before they can be run by the hacker.
- Enhance Monitoring and Response: We can set up the monitoring and to response the mechanism to detect any devices and respond to security incidents in a time.

### **Proof of Concept**

 Purpose: To exploit and to document vulnerabilities in the simulated environment and provided by the Basic Pentesting room.



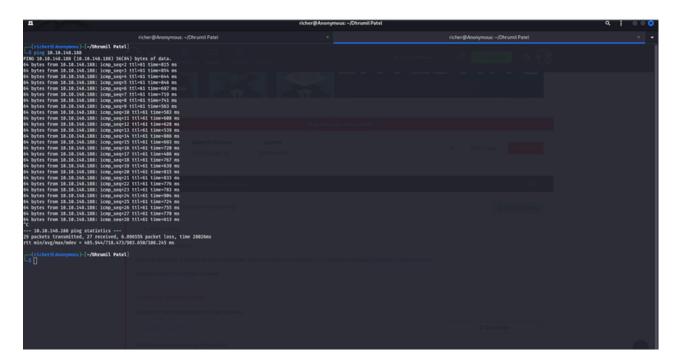
#### **Dhrumil Patel**

### **1.** Deploy the machine and connect to our network

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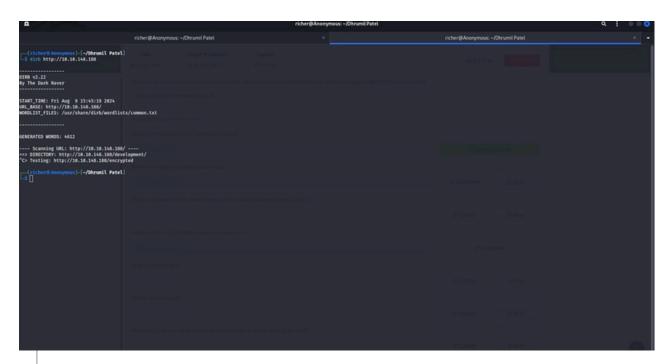
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### **2** Find the services exposed by the machine



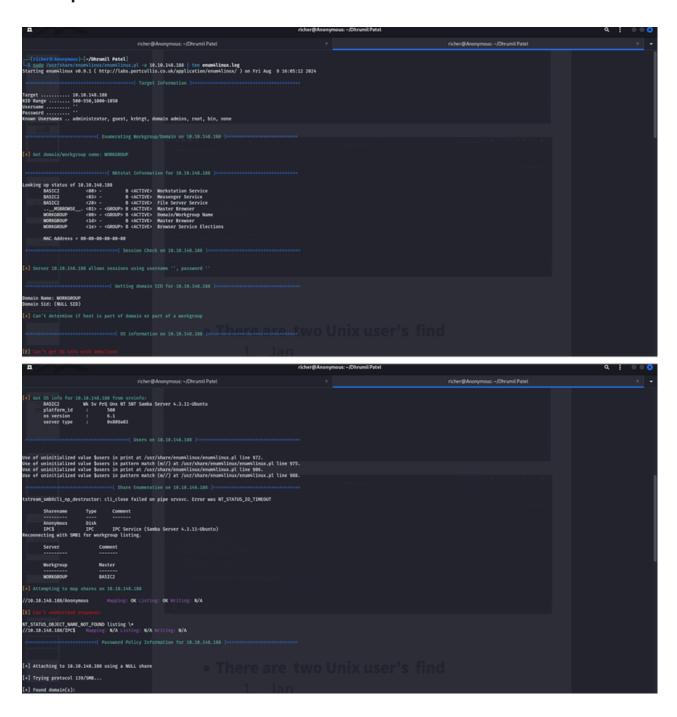
**3** What is the name of the hidden directory on the web server(enter name without /)

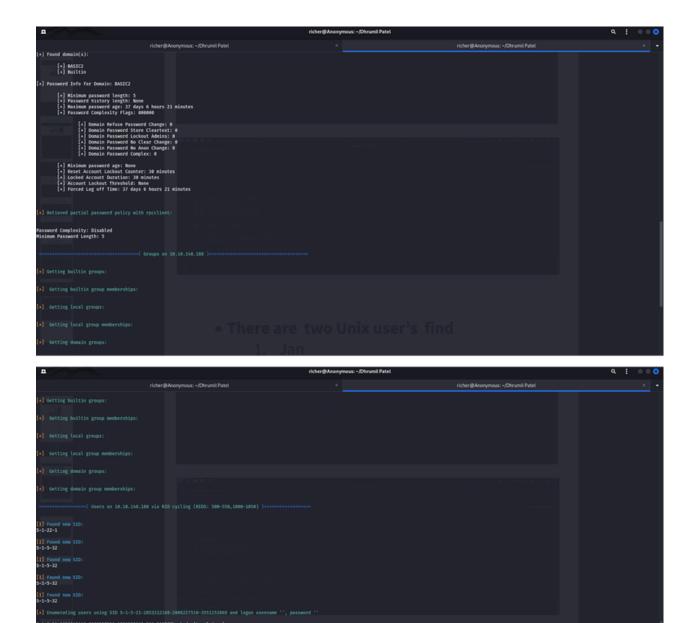


**Answer**: development

**Dhrumil Patel** 

## **4.** User brute-forcing to find the username & password





- There are two Unix user's find
  - 1. Jan
  - 2. Kay

- **5.** What is the username?
- Answer : jan
- **6.** What is the password?

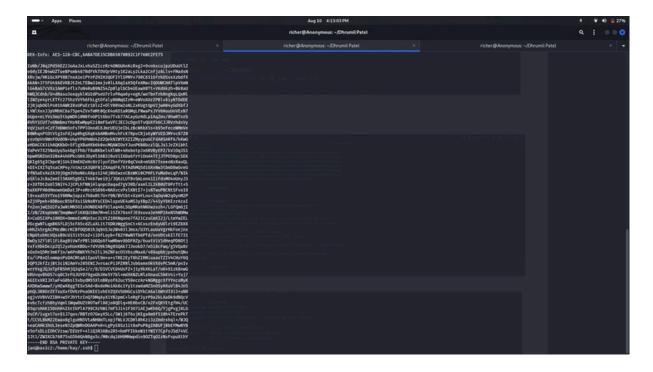


Answer : armando

- **7.** What service do you use to access the server(answer in abbreviation in all caps)?
- Answer: SSH
- **8.** Enumerate the machine to find any vectors for privilege escalation



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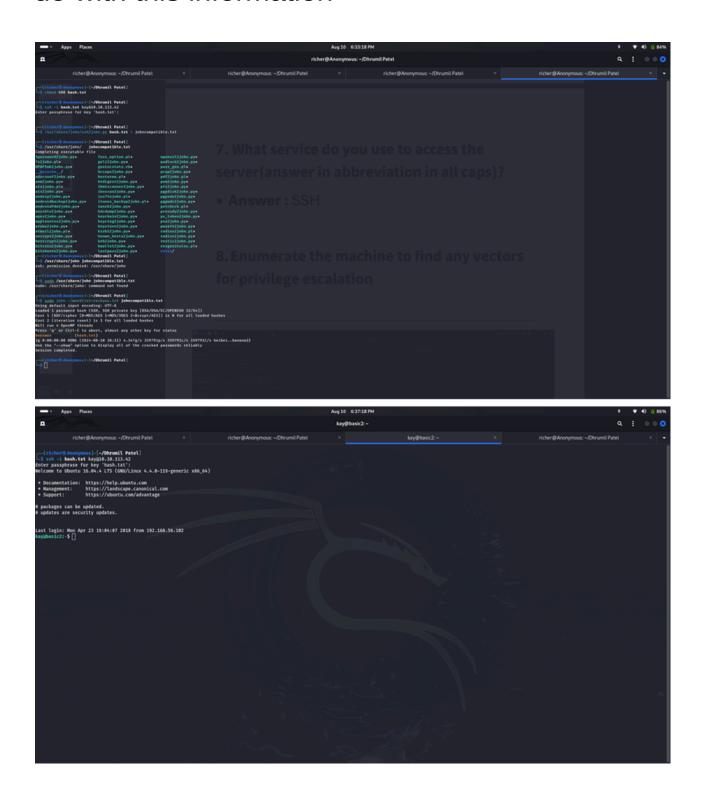


• The private key of user kay has been found .

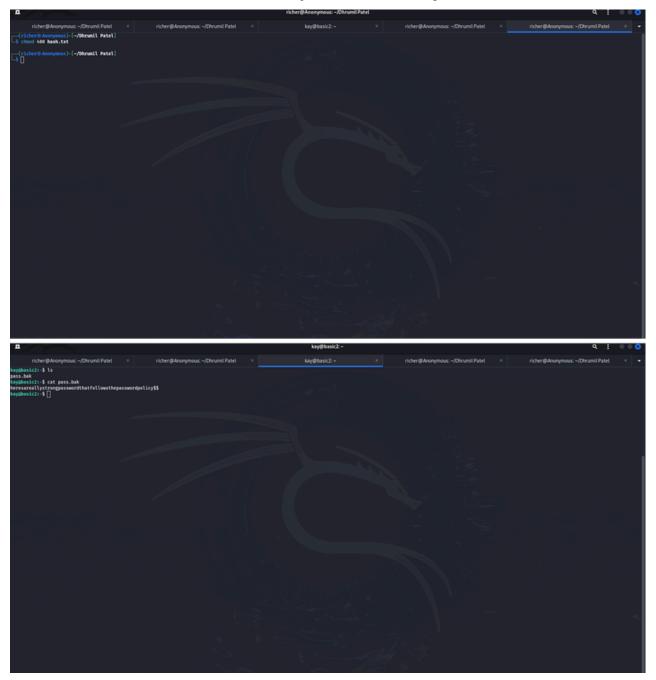
**9.** What is the name of the other user you found(all lower case)?

Answer: Kay

# **10.** If you have found another user, what can you do with this information



### 11. What is the final password you obtain?



 Final password is (heresareallystrongpasswordthatfollowsthepassword policy\$\$)

### **Dhrumil Patel**