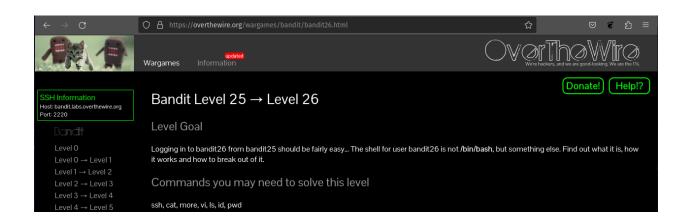
Bandit Level 25 —> Level 26 [Pages 1-5] Bandit Level 26 —> Level 27 [Pages 6-7]

Note: Bandit 26 —> Bandit27 requires inputs/processes from Bandit 25 —> Bandit26 to solve. As such, the solution sets for both levels are contained in this document.

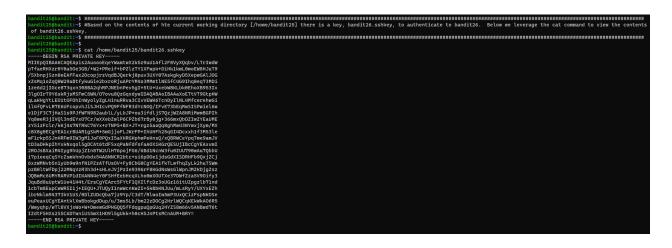
SSH Parameters				
Server:	bandit.labs.overthewire.org			
Port:	2220			

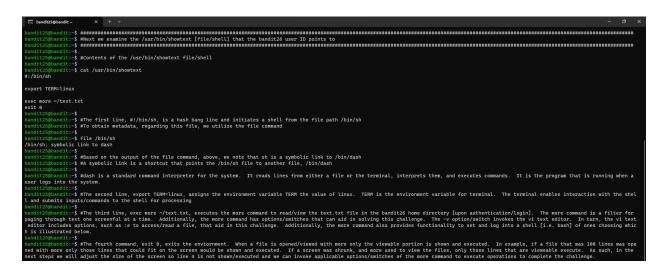
Website URLs						
Level 25—>26	OverTheWire: Level Goal: Bandit Level 25 → Level 26					
Level 26—>27	OverTheWire: Level Goal: Bandit Level 26 → Level 27					
Level 27—>28	OverTheWire: Level Goal: Bandit Level 27 → Level 28					

Passwords					
Level	User Name	Password			
Level 25—>26	bandit25	p7TaowMYrmu23Ol8hiZh9UvD0O9hpx8d			
Level 26>27	bandit26	c7GvcKlw9mC7aUQaPx7nwFstuAlBw1o1			
Bandit 27—->28	bandit27	YnQpBuifNMas1hcUFk70ZmqkhUU2EuaS			

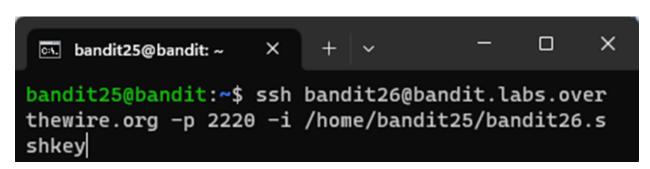


```
Dand(Its) dand(Its) divers the Wire - Bond(Its) dand Its) days the Wire - Bond(Its) days the Bond(Its) d
```

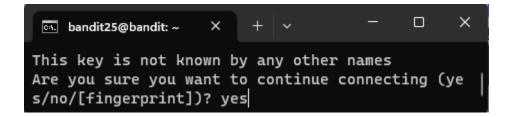








#Next, we confirm validity of utilizing the private key specified in the -i option/switch /home/bandit25/bandit26.sshkey



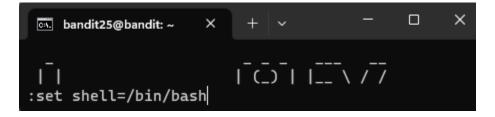
#Upon authentication we note functionality of the more command activated with the word more being denoted at the bottom of the screen



#The "v" key is pushed in order to invoke the vi text editor. This is denoted with the cursor moving to the top of the screen and absence of the More indicator.



In order to invoke the bash shell we utilize the set option/switch to set the shell to bash through the following command: :set shell=/bin/bash



#Next, we invoke the shell command/option which enable the bash script



To verify authentication to bandit26 the id and whoami commands are executed. Note: We are now able to enlarge the screen to full screen size

To confirm we are in the bash shell we execute the command echo \$0 to display the environment variable displaying the shell being utilized

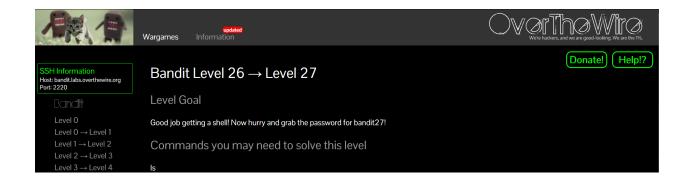
```
bandit26@bandit:~$ #Determine shell being utilized by query of environment variable 0 bandit26@bandit:~$ bandit26@bandit:~$ echo $0 /bin/bash
```

To extract the bandit26 password we leverage the cat command to read the file /etc/bandit_pass/bandit26

```
bandit26@bandit:~$ #Extract bandit26 password via cat command of file patch /etc/bandit_pass/bandit26 bandit26@bandit:~$ bandit26@bandit:~$ cat /etc/bandit_pass/bandit26 c7GvcKlw9mC7aUQaPx7nwFstuAIBwlol bandit26@bandit:~$ |
```

Level 26 —> Level 27 Password

c7GvcKlw9mC7aUQaPx7nwFstuAlBw1o1



Execution of echo \$0. This command outputs the value of the environment variable that holds the current shell and the id and whoami commands to confirm authentication to bandit26/Level 26.

```
□ bandit26@bandit:-$ #Execute echo $0 to determine current shell being utilized/running
bandit26@bandit:-$ to $0
bandit26\bandit:-$ to $0
bandit:-$ to
```

Next, we executed the ls -la command on the home directory. It contains a SETUID executable, bandit27-do. The SETUID file executes commands, and reads files, as bandit27. We leveraged the SETUID executable to view/extract the bandit27 password from the /etc/bandit_pass/bandit27 file. The commands/processes/procedures to carry out the aforementioned are denoted in the annotated screenshots below.

```
bandit26@bandit:~$
bandit26@bandit:~$ #We execute the bandit27-do command to determine its purpose
bandit26pandit:-$ | Jandit27-do
bandit27@bandit:-$ | Jandit27-do
Bandit26pandit:-$ | Jandit27-do
Bandit27-do id
bandit27-do id
bandit26@bandit:-$ |
```

□ bandit25@bandit: ~ ×			
er user we can utilize it t bandit26@bandit:-\$ bandit26@bandit:-\$./bandi Run a command as another us Example: //bandit27-do id bandit26@bandit:-\$ bandit26@bandit:-\$ bandit26@bandit:-\$ bandit26@bandit:-\$	er. bandit27-do to read the bandit27 password file, /etc/bandit_pass/bandit27, via the cat command. 27-do cat /etc/bandit_pass/bandit27	Since the command runs as	anoth

Level 27 —> Level 28 Password

YnQpBuifNMas1hcUFk70ZmqkhUU2EuaS