

Write-Up: _____

Name: _____

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

bandit0@bandit: ~

— □ ×

File Actions Edit View Help

```
iyana@kali:~$ ssh bandit0@bandit.labs.overthewire.org -p 2220
The authenticity of host '[bandit.labs.overthewire.org]:2220 ([176.9.9.172]:2220)' can't be established.
ECDSA key fingerprint is SHA256:98UL0ZW85496EtCRkKlo20X30PnyPSB5tB5RPbhczc
.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '[bandit.labs.overthewire.org]:2220,[176.9.9.172]:2220' (ECDSA) to the list of known hosts.
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames
```

```
bandit0@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```

The logo for OverTheWire, featuring the words "OverTheWire" in a large, stylized font made of dashed lines. Below the logo, the text "www.OverTheWire.org" is displayed in a smaller, solid font.

www.OverTheWire.org

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit1@bandit: ~  
File Actions Edit View Help  
bandit0@bandit:~$ ls  
readme  
bandit0@bandit:~$ cat readme  
boJ9jbbUNNfktd7800psq0ltutMc3MY1  
bandit0@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
iyana@kali:~$ ssh bandit1@bandit.labs.overthewire.org -p 2220  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames  
  
bandit1@bandit.labs.overthewire.org's password:  
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux  
  
OWTF  
www. ver he ire.org
```

Write-Up No. _____

Task: _____

Operating System: _____

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Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

bandit2@bandit: ~

_ □ ×

File Actions Edit View Help

```
bandit1@bandit:~$ ls
```

```
-
```

```
bandit1@bandit:~$ cat ./-
```

```
CV1DtqXWVFXTvM2F0k09SHz0YwRINYA9
```

```
bandit1@bandit:~$ exit
```

```
logout
```

```
Connection to bandit.labs.overthewire.org closed.
```

```
iyana@kali:~$ ssh bandit2@bandit.labs.overthewire.org -p 2220
```

```
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames
```

```
bandit2@bandit.labs.overthewire.org's password:
```

```
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```

The logo for OverTheWire, featuring the words "OverTheWire" in a stylized, dashed font. Below the logo, the text "www.overthewire.org" is displayed in a smaller, plain font.

www.overthewire.org

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____


```
bandit3@bandit: ~  
File Actions Edit View Help  
bandit2@bandit:~$ ls  
spaces in this filename  
bandit2@bandit:~$ cat "spaces in this filename"  
UmHadQclWmgdLOKQ3YNgjWxGoRmb5luK  
bandit2@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
iyana@kali:~$ ssh bandit3@bandit.labs.overthewire.org -p 2220  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames  
  
bandit3@bandit.labs.overthewire.org's password:  
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux  
  
www . ver he " ire.org
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit4@bandit: ~  
File Actions Edit View Help  
bandit3@bandit:~$ ls  
inhere  
bandit3@bandit:~$ cd inhere  
bandit3@bandit:~/inhere$ ls  
bandit3@bandit:~/inhere$ ls -a  
.  ..  .hidden  
bandit3@bandit:~/inhere$ cat .hidden  
pIwrPrtPN36QITSp3EQaw936yaFoFgAB  
bandit3@bandit:~/inhere$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
iyana@kali:~$ ssh bandit4@bandit.labs.overthewire.org -p 2220  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames  
  
bandit4@bandit.labs.overthewire.org's password:  
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux  
  
overthewire
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit5@bandit: ~
File Actions Edit View Help

bandit4@bandit:~$ ls
inhere
bandit4@bandit:~$ cd inhere
bandit4@bandit:~/inhere$ ls
-file00 -file02 -file04 -file06 -file08
-file01 -file03 -file05 -file07 -file09
bandit4@bandit:~/inhere$ for i in {0..9}; do grep '^[A-Za-z0-9]' ./-file0$i;
done
Binary file ./-file02 matches
Binary file ./-file04 matches
Binary file ./-file06 matches
koReBOKuIDDepwhWk7jZC0RTdopnAYKh
bandit4@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.
iyana@kali:~$ ssh bandit5@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire
.org/wargames

bandit5@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

064K4
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit6@bandit:~  
File Actions Edit View Help  
bandit5@bandit:~$ ls  
inhere  
bandit5@bandit:~$ cd inhere  
bandit5@bandit:~/inhere$ find ./ -type f -size 1033c ! -executable  
./maybehere07/.file2  
bandit5@bandit:~/inhere$ cat $(find ./ -type f -size 1033c ! -executable) |  
awk 'NR==1'  
DXjZPULLxYr17uwoI01bNLQbtFemEgo7  
bandit5@bandit:~/inhere$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
iyana@kali:~$ ssh bandit6@bandit.labs.overthewire.org -p 2220  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames  
  
bandit6@bandit.labs.overthewire.org's password:  
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux  
  
O T W I R E
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

bandit6@bandit: ~

File Actions Edit View Help

```
bandit6@bandit:~$ find / -user bandit7 -group bandit6 -size 33c
find: '/root': Permission denied
find: '/home/bandit28-git': Permission denied
find: '/home/bandit30-git': Permission denied
find: '/home/bandit5/inhere': Permission denied
find: '/home/bandit27-git': Permission denied
find: '/home/bandit29-git': Permission denied
find: '/home/bandit31-git': Permission denied
find: '/lost+found': Permission denied
find: '/etc/ssl/private': Permission denied
find: '/etc/polkit-1/localauthority': Permission denied
find: '/etc/lvm/archive': Permission denied
find: '/etc/lvm/backup': Permission denied
find: '/sys/fs/pstore': Permission denied
find: '/proc/tty/driver': Permission denied
find: '/proc/30983/task/30983/fd/6': No such file or directory
find: '/proc/30983/task/30983/fdinfo/6': No such file or directory
find: '/proc/30983/fd/5': No such file or directory
find: '/proc/30983/fdinfo/5': No such file or directory
find: '/cgroup2/csessions': Permission denied
find: '/boot/lost+found': Permission denied
find: '/tmp': Permission denied
find: '/run/lvm': Permission denied
find: '/run/screen/S-bandit26': Permission denied
find: '/run/screen/S-bandit18': Permission denied
find: '/run/screen/S-bandit13': Permission denied
find: '/run/screen/S-bandit16': Permission denied
find: '/run/screen/S-bandit31': Permission denied
find: '/run/screen/S-bandit8': Permission denied
find: '/run/screen/S-bandit14': Permission denied
find: '/run/screen/S-bandit19': Permission denied
find: '/run/screen/S-bandit21': Permission denied
find: '/run/screen/S-bandit12': Permission denied
find: '/run/screen/S-bandit5': Permission denied
find: '/run/screen/S-bandit22': Permission denied
find: '/run/screen/S-bandit24': Permission denied
find: '/run/screen/S-bandit25': Permission denied
find: '/run/screen/S-bandit0': Permission denied
find: '/run/screen/S-bandit20': Permission denied
find: '/run/screen/S-bandit23': Permission denied
find: '/run/shm': Permission denied
find: '/run/lock/lvm': Permission denied
find: '/var/spool/bandit24': Permission denied
find: '/var/spool/cron/crontabs': Permission denied
find: '/var/spool/rsyslog': Permission denied
find: '/var/tmp': Permission denied
find: '/var/lib/apt/lists/partial': Permission denied
find: '/var/lib/polkit-1': Permission denied
/var/lib/dpkg/info/bandit7.password
find: '/var/log': Permission denied
find: '/var/cache/apt/archives/partial': Permission denied
find: '/var/cache/ldconfig': Permission denied
bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs
bandit6@bandit:~$
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit8@bandit: ~
File Actions Edit View Help

bandit7@bandit:~$ ls
data.txt
bandit7@bandit:~$ grep 'millionth' data.txt
millionth      cvX2JJJa4CFALtqS87jk27qwqGhBM9plV
bandit7@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
iyana@kali:~$ ssh bandit8@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit8@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

  O  T  W  I  R  E
www . ver he " ire.org
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

bandit9@bandit:~

_ □ ×

File Actions Edit View Help

```
bandit8@bandit:~$ sort data.txt -f | uniq -u
```

```
UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhr
```

```
bandit8@bandit:~$ exit
```

```
logout
```

```
Connection to bandit.labs.overthewire.org closed.
```

```
iyana@kali:~$ ssh bandit9@bandit.labs.overthewire.org -p 2220
```

```
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames
```

```
bandit9@bandit.labs.overthewire.org's password:
```

```
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```



www. ver he " ire.org

```
Welcome to OverTheWire!
```

Write-Up No.

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit10@bandit: ~  
File Actions Edit View Help  
  
bandit9@bandit:~$ ls  
data.txt  
bandit9@bandit:~$ strings data.txt | grep "="  
===== the*2i"4  
===== password  
Z)===== is  
8===== truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk  
bandit9@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
iyana@kali:~$ ssh bandit10@bandit.labs.overthewire.org -p 2220  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames  
  
bandit10@bandit.labs.overthewire.org's password:  
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux  
  
O T W I R E
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

bandit11@bandit:~

_ □ ×

File Actions Edit View Help

```
bandit10@bandit:~$ ls
```

```
data.txt
```

```
bandit10@bandit:~$ base64 -d data.txt
```

```
The password is IFukwKGsFW8MOq3IRFqrxE1hxTNEbUPR
```

```
bandit10@bandit:~$ exit
```

```
logout
```

```
Connection to bandit.labs.overthewire.org closed.
```

```
iyana@kali:~$ ssh bandit11@bandit.labs.overthewire.org -p 2220
```

```
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames
```

```
bandit11@bandit.labs.overthewire.org's password:
```

```
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```

The logo for OverTheWire.org, featuring the words "OverTheWire" in a large, stylized font made of dashed lines. Below the logo, the text "www . ver he ire.org" is displayed, with spaces between the words and dots after "www" and "ver".

www . ver he ire.org

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit12@bandit: ~  
File Actions Edit View Help  
bandit11@bandit:~$ ls  
data.txt  
bandit11@bandit:~$ cat data.txt  
Gur cnffjbeq vf 5Gr8L4getPEsPk8htqjhRK8XSP6x2RHh  
bandit11@bandit:~$ cut -d ' ' -f 4 data.txt  
5Gr8L4getPEsPk8htqjhRK8XSP6x2RHh  
bandit11@bandit:~$ cut -d ' ' -f 4 data.txt | tr 'A-Za-z' '[N-ZA-Mn-za-m]'  
5Te8Y4drgCRfCx8ugdwuEX8KFC6k2EUu  
bandit11@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
iyana@kali:~$ ssh bandit12@bandit.labs.overthewire.org -p 2220  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames  
  
bandit12@bandit.labs.overthewire.org's password:  
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux  
  
O4K3
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

File Actions Edit View Help

```

bandit12@bandit:~$ ls
data.txt
bandit12@bandit:~$ mkdir /tmp/bandit12dump
bandit12@bandit:~$ cd /tmp/bandit12dump
bandit12@bandit:/tmp/bandit12dump$ xxd -r ~/data.txt > data
bandit12@bandit:/tmp/bandit12dump$ ls
data
bandit12@bandit:/tmp/bandit12dump$ file data
data: gzip compressed data, was "data2.bin", last modified: Thu May  7 18:1
4:30 2020, max compression, from Unix
bandit12@bandit:/tmp/bandit12dump$ mv data data.gz
bandit12@bandit:/tmp/bandit12dump$ gzip -d data.gz
bandit12@bandit:/tmp/bandit12dump$ ls
data
bandit12@bandit:/tmp/bandit12dump$ file data
data: bzip2 compressed data, block size = 900k
bandit12@bandit:/tmp/bandit12dump$ mv data data.bz
bandit12@bandit:/tmp/bandit12dump$ bzip -d data.bz
-bash: bzip: command not found
bandit12@bandit:/tmp/bandit12dump$ bzip2 -d data.bz
bandit12@bandit:/tmp/bandit12dump$ ls
data
bandit12@bandit:/tmp/bandit12dump$ file data
data: gzip compressed data, was "data4.bin", last modified: Thu May  7 18:1
4:30 2020, max compression, from Unix
bandit12@bandit:/tmp/bandit12dump$ mv data data.gz
bandit12@bandit:/tmp/bandit12dump$ gzip -d data.gz
bandit12@bandit:/tmp/bandit12dump$ ls
data
bandit12@bandit:/tmp/bandit12dump$ file data
data: POSIX tar archive (GNU)
bandit12@bandit:/tmp/bandit12dump$ mv data data.tar.gz
bandit12@bandit:/tmp/bandit12dump$ tar -xvf data.tar.gz
data5.bin
bandit12@bandit:/tmp/bandit12dump$ file data5.bin
data5.bin: POSIX tar archive (GNU)
bandit12@bandit:/tmp/bandit12dump$ mv data5.bin data5.bin.tar.gz
bandit12@bandit:/tmp/bandit12dump$ tar -xvf data5.bin.tar.gz
data6.bin
bandit12@bandit:/tmp/bandit12dump$ file data6.bin
data6.bin: bzip2 compressed data, block size = 900k
bandit12@bandit:/tmp/bandit12dump$ mv data6.bin data6.bin.bz
bandit12@bandit:/tmp/bandit12dump$ bzip2 -d data6.bin.bz
bandit12@bandit:/tmp/bandit12dump$ ls
data5.bin.tar.gz  data6.bin  data.tar.gz
bandit12@bandit:/tmp/bandit12dump$ file data6.bin
data6.bin: POSIX tar archive (GNU)
bandit12@bandit:/tmp/bandit12dump$ mv data6.bin data6.bin.tar.gz
bandit12@bandit:/tmp/bandit12dump$ tar -xvf data.bin.tar.gz
tar: data.bin.tar.gz: Cannot open: No such file or directory
tar: Error is not recoverable: exiting now
bandit12@bandit:/tmp/bandit12dump$ tar -xvf data6.bin.tar.gz
data8.bin
bandit12@bandit:/tmp/bandit12dump$ file data8.bin
data8.bin: gzip compressed data, was "data9.bin", last modified: Thu May  7
18:14:30 2020, max compression, from Unix
bandit12@bandit:/tmp/bandit12dump$ mv data8.bin data8.bin.gz
bandit12@bandit:/tmp/bandit12dump$ gzip -d data8.bin.gz
bandit12@bandit:/tmp/bandit12dump$ ls
data5.bin.tar.gz  data6.bin.tar.gz  data8.bin  data.tar.gz
bandit12@bandit:/tmp/bandit12dump$ file data8.bin
data8.bin: ASCII text
bandit12@bandit:/tmp/bandit12dump$ cat data8.bin
The password is 8ZjyCRiBWFYkneahHwxCv3wb2a10RpYL
bandit12@bandit:/tmp/bandit12dump$ exit
logout
Connection to bandit.labs.overthewire.org closed.
iyana@kali:~$ ssh bandit13@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewi
re.org/wargames

```

bandit13@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux



Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit14@bandit: ~
File Actions Edit View Help

bandit13@bandit:~$ ls
sshkey.private
bandit13@bandit:~$ ssh -i sshkey.private bandit14@localhost
Could not create directory '/home/bandit13/.ssh'.
The authenticity of host 'localhost (127.0.0.1)' can't be established.
ECDSA key fingerprint is SHA256:98UL0ZW85496EtCRkKlo20X30PnyPSB5tB5RPbhczc
.
Are you sure you want to continue connecting (yes/no)? yes
Failed to add the host to the list of known hosts (/home/bandit13/.ssh/known_hosts).
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

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www. ver he ire.org
```

```
iyana@kali: ~
bandit14@bandit: ~
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
4wcYUJFw0k0XLShlDzztnTBHixU3b3e
bandit14@bandit:~$
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

— □ ×

```
bandit14@bandit:~$ cat /etc/bandit_pass/bandit14
```

```
bandit14@bandit:~$ ncat localhost 30000
```

Correct!

 $\wedge C$ [logout](#)

```
bandit13@bandit:~$ exit
```

Connection to bandit.labs.overthewire.org closed.

This is a OverTheWire game server. More information on <http://www.overthewire.org/wargames>

```
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```

Introduction

Write-Up No.

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

bandit16@bandit:~

_ □ ×

File Actions Edit View Help

bandit15@bandit:~\$ ncat --ssl localhost 30001

BfMYroe26WYalil77FoDi9qh59eK5xNr

Correct!

cluFn7wTiGryunymY0u4RcfftSxQluehd

^C

bandit15@bandit:~\$ exit

logout

Connection to bandit.labs.overthewire.org closed.

iyana@kali:~\$ ssh bandit16@bandit.labs.overthewire.org -p 2220

This is a OverTheWire game server. More information on <http://www.overthewire.org/wargames>

bandit16@bandit.labs.overthewire.org's password:

Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

OVER THE WIRE

www. ver he ire.org

Write-Up No.

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```

bandit17@bandit:~
File Actions Edit View Help

bandit16@bandit:~$ nmap -p 31000-32000 -sV localhost

Starting Nmap 7.40 ( https://nmap.org ) at 2020-06-04 16:12 CEST
Nmap scan report for localhost (127.0.0.1)
Host is up (0.00028s latency).
Not shown: 996 closed ports
PORT      STATE SERVICE      VERSION
31046/tcp  open  echo
31518/tcp  open  ssl/echo
31691/tcp  open  echo
31790/tcp  open  ssl/unknown
31960/tcp  open  echo
1 service unrecognized despite returning data. If you know the service/version, please submit the following fingerprint at https://nmap.org/cgi-bin/submit.cgi?new-service :
SF-Port31790-TCP:V=7.40%T=SSL%I=7%D=6/4%Time=5ED90165%P=x86_64-pc-linux-gn
SF:U%r(GenericLines,31,"Wrong!\x20Please\x20enter\x20the\x20correct\x20cur
SF:rent\x20password\n")%r(GetRequest,31,"Wrong!\x20Please\x20enter\x20the\
SF:\x20correct\x20current\x20password\n")%r(HTTPOptions,31,"Wrong!\x20Plea
SF:e\x20enter\x20the\x20correct\x20current\x20password\n")%r(RTSPRequest,3
SF:1,"Wrong!\x20Please\x20enter\x20the\x20correct\x20current\x20password\n
SF:")%r(Hello,31,"Wrong!\x20Please\x20enter\x20the\x20correct\x20current\x2
SF:0password\n")%r(SSLSessionReq,31,"Wrong!\x20Please\x20enter\x20the\x20c
SF:orrect\x20current\x20password\n")%r(TLSSessionReq,31,"Wrong!\x20Please\
SF:\x20enter\x20the\x20correct\x20current\x20password\n")%r(Kerberos,31,"Wr
SF:ong!\x20Please\x20enter\x20the\x20correct\x20current\x20password\n")%r(
SF:FourOhFourRequest,31,"Wrong!\x20Please\x20enter\x20the\x20correct\x20cu
SF:rrent\x20password\n")%r(LPDString,31,"Wrong!\x20Please\x20enter\x20the\
SF:\x20correct\x20current\x20password\n")%r(LDAPSearchReq,31,"Wrong!\x20Ple
SF:ase\x20enter\x20the\x20correct\x20current\x20password\n")%r(SIPOptions,
SF:31,"Wrong!\x20Please\x20enter\x20the\x20correct\x20current\x20password\
SF:n");

Service detection performed. Please report any incorrect results at https://
/nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 89.25 seconds
bandit16@bandit:~$ ncat --ssl localhost 31518
cluFn7wTiGryunymY0u4RcffSxQLuehd
cluFn7wTiGryunymY0u4RcffSxQLuehd
^C
bandit16@bandit:~$ ncat --ssl localhost 31790
cluFn7wTiGryunymY0u4RcffSxQLuehd
Correct!
-----BEGIN RSA PRIVATE KEY-----
MIIeogIBAAKCAQEAvmOkuiFmMg6HL2YPI0jon6iWfbp7c3jx34YkYwQH57SudyJ
imZzeyG0gtZPGuJUSxiJSWI/oTqexh+cAMTSMLOJf7+BrJ0bArnxd9Y7YT2bRPQ
Ja6Lzb558YW3FZL87ORiO+rW4LDCND2LUvLE/GL2GWyuKN0K5iCd5TbtJzEkQTu
DSt2mcNn4rhAL+JFr56o4T6z8WWAW18BR6yGrMq7Q/kALHYW30ekePQAZL0VUYBW
JGT165CxbCnzc/w4+mqQyvmzpwMAzJTzAzQxNbkR2MBGySxDLrjg0LWN6sK7wnX
x0YVztz/zbIkPjfkU1jHS+9EBVnj+D1XF0JuaQIDAQABaoIBABagpXpM1aoLWfvd
KHc1jn0qocBc4oE11aFYQwik7xwFw+24pRNUDE6SFth0ar69jp5RLWd1NhPx3iB1
J9nOM80J0VToum43UOS8YxF8WwhXriYGnc1sskbwpXOUDc9uX4+UESzH22P29ovd
d8WErY0gPxun8pbJLmXkAtWnhpMvfe005vk9TL5wqbu9ALbssgTcCXkMQnPW9nC
YNN6DDP2lbcBrvgT9YCNL6C+ZkufD52y0Q9q0kwFTEQpjtF4uNtJom+asvLpmS8A
vLY9r60wYSvmZhNqBURj7lyCtXMIu1kkd4w7F77k+DjHoAXycUp1DGL51s0mama
+TOWWgECgYEA8JtPxP0GRJ+IQkX262jM3dEIkza8ky5moIwUqYdsx0NxHgRRhORT
8c8hAuRb2G82so8vUHK/fur850Efc9TncnCY2crpoqsgHfKLxrLgt+qDpfZnx
Satldt8GfQ85yA7hnWJ2Mx3NaeSDm75Lsm+tBbAiyC9P2jGRNtMSKcGYEAypHd
HCctNi/FwjuLhtFx/rHYKhLidZDFYeiE/v45bn4yFm8x7R/b0iE7KaszX+Exdvt
SghaTdcG0Knyw1bpJVYusavPzpaJMjd6tcfHvABajm7enCivGCSx+X3L5SiWg0A
R57hJgLeziIvJv3aGwHwvLZvtszK6zV6oXFAu0ECgYABjo46T4hyP5tJi93V5Hdi
Ttiek7RVXUL+iu7rWkGAXFpMLFteQESr7PJ/LemMEY5eTDAFMLy9FL2m9oQWCg
R8VdW8K8r9FGLS+9aKcV5PI/WEKlwgXinB30hYimtiG2Cg5JcQIZFHxD6MjEGoiu
L8ktHMPvodbWnsSBULpG0QKBgBAPltfC1H0nWiMGOU3KPwYwT006CdTkmJ0mL8Ni
blh9elyZ9FsGxsgtRBXRsQXuz7wtsQAGLHxbdLq/ZJQ7Yfz0KU4ZxEnabvXnvWkU
Y0djHd500KvDQNWu6GucyLRAWFuISeXw9a/9p7ftpxm0TSgyvmfLF2MIAEwyZRqaM
77pBAoGAMmjmIJdjp+Ez8duyn3ieo36yrttF5NSsJLABxPdlc1gvtGCWW+9Cq0b
dxviW8+TFVEBL104f7HvM6EpTscdDxU+bCXWkfjuRb7dy9G0tt9JP8X8MBTaktzh3
vBgsyi/sN3RqRbcGU40f0oZyFAMT8s1m/uYv5206IgeuZ/ujbjY=
-----END RSA PRIVATE KEY-----

^C
bandit16@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
iyana@kali:~$ vim sshkey
iyana@kali:~$ chmod 400 sshkey
iyana@kali:~$ ssh -i sshkey bandit17@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthowi
re.org/wargames

Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

www. ver he ire.org

Welcome to OverTheWire!

```

Write-Up No.

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
iyana@kali: ~  
File Actions Edit View Help  
iyana@kali: ~ iyana@kali: ~  
bandit17@bandit:~$ ls  
passwords.new passwords.old  
bandit17@bandit:~$ diff passwords.new passwords.old  
42c42  
< kfBf3eYk5BPBRzwjqutbbfE887SVc5Yd  
---  
> w0Yfolrc5bwjS4qw5mq1nnQi6mF03bii  
bandit17@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
iyana@kali:~$ ssh bandit18@bandit.labs.overthewire.org -p 2220  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames  
  
bandit18@bandit.labs.overthewire.org's password:  
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux  
  
OVERWIRE
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____


```
bandit19@bandit: ~
File Actions Edit View Help
iyana@kali: ~
bandit19@bandit: ~
iyana@kali:~$ ssh bandit18@bandit.labs.overthewire.org -p 2220 -t /bin/sh
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit18@bandit.labs.overthewire.org's password:
$ ls
readme
$ cat readme
IueksS7Ubh8G3DCwVzrTd8rAVOwq3M5x
$ exit
Connection to bandit.labs.overthewire.org closed.
iyana@kali:~$ ssh bandit19@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit19@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

  _____
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| |_) | | | |
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|_| \_|_|_|_|

```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit20@bandit: ~
File Actions Edit View Help
iyana@kali: ~ bandit20@bandit: ~

bandit19@bandit:~$ ls
bandit20-do
bandit19@bandit:~$ file bandit20-do
bandit20-do: setuid ELF 32-bit LSB executable, Intel 80386, version 1 (SYSV), dynamically linked, interpreter /lib/ld-linux.so.2, for GNU/Linux 2.6.32, BuildID[sha1]=8e941f24b8c5cd0af67b22b724c57e1ab92a92a1, not stripped
bandit19@bandit:~$ ./bandit20-do id
uid=11019(bandit19) gid=11019(bandit19) euid=11020(bandit20) groups=11019(bandit19)
bandit19@bandit:~$ cat /etc/bandit_pass/bandit20
cat: /etc/bandit_pass/bandit20: Permission denied
bandit19@bandit:~$ ./bandit20-do cat /etc/bandit_pass/bandit20
GbKksEFF4yrVs6il55v6gwY5aVje5f0j
bandit19@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
iyana@kali:~$ ssh bandit20@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit20@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux

  .--.  .--.  .--.
 /  /  /  /  /  /
|  |  |  |  |  |
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```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit20@bandit: ~  
File Actions Edit View Help  
bandit20@bandit: ~ bandit20@bandit: ~  
bandit20@bandit:~$ nmap localhost  
  
Starting Nmap 7.40 ( https://nmap.org ) at 2020-06-11 21:24 CEST  
Nmap scan report for localhost (127.0.0.1)  
Host is up (0.00035s latency).  
Not shown: 997 closed ports  
PORT      STATE SERVICE  
22/tcp    open  ssh  
113/tcp   open  ident  
30000/tcp open  ndmps  
  
Nmap done: 1 IP address (1 host up) scanned in 0.11 seconds  
bandit20@bandit:~$ cat /etc/bandit_pass/bandit20  
GbKksEFF4yrVs6il55v6gwY5aVje5f0j  
bandit20@bandit:~$ echo $(cat /etc/bandit_pass/bandit20) | nc -l loc  
alhost -p 1234  
gE269g2h3mw3pwgrj0Ha9Uoqen1c9DGr  
bandit20@bandit:~$
```

```
bandit20@bandit: ~  
File Actions Edit View Help  
bandit20@bandit: ~ bandit20@bandit: ~  
bandit20@bandit:~$ ls  
suconnect  
bandit20@bandit:~$ ./suconnect  
Usage: ./suconnect <portnumber>  
This program will connect to the given port on localhost using TCP.  
If it receives the correct password from the other side, the next pa  
ssword is transmitted back.  
bandit20@bandit:~$ ./suconnect 1234  
Read: GbKksEFF4yrVs6il55v6gwY5aVje5f0j  
Password matches, sending next password  
bandit20@bandit:~$
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit22@bandit: ~  
File Actions Edit View Help  
iyana@kali: ~ bandit22@bandit: ~  
bandit21@bandit:~$ ls /etc/cron.d  
cronjob_bandit15_root cronjob_bandit22 cronjob_bandit24  
cronjob_bandit17_root cronjob_bandit23 cronjob_bandit25_root  
bandit21@bandit:~$ cat /etc/cron.d/cronjob_bandit22  
@reboot bandit22 /usr/bin/cronjob_bandit22.sh &> /dev/null  
* * * * * bandit22 /usr/bin/cronjob_bandit22.sh &> /dev/null  
bandit21@bandit:~$ cat /usr/bin/cronjob_bandit22.sh  
#!/bin/bash  
chmod 644 /tmp/t706lds9S0RqQh9aMcz6ShpAoZKF7fgv  
cat /etc/bandit_pass/bandit22 > /tmp/t706lds9S0RqQh9aMcz6ShpAoZKF7fgv  
bandit21@bandit:~$ cat /tmp/t706lds9S0RqQh9aMcz6ShpAoZKF7fgv  
Yk7owGAcWjwMVRwrTesJEwB7WVoiILLI  
bandit21@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
iyana@kali:~$ ssh bandit22@bandit.labs.overthewire.org -p 2220  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames  
  
bandit22@bandit.labs.overthewire.org's password:  
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux  
  
A N N A
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____


```
bandit23@bandit: ~
File Actions Edit View Help
iyana@kali: ~ bandit23@bandit: ~

bandit22@bandit:~$ ls /etc/cron.d
cronjob_bandit15_root cronjob_bandit22 cronjob_bandit24
cronjob_bandit17_root cronjob_bandit23 cronjob_bandit25_root
bandit22@bandit:~$ cat /etc/cron.d/cronjob_bandit23
@reboot bandit23 /usr/bin/cronjob_bandit23.sh &> /dev/null
* * * * * bandit23 /usr/bin/cronjob_bandit23.sh &> /dev/null
bandit22@bandit:~$ cat /usr/bin/cronjob_bandit23.sh
#!/bin/bash

myname=$(whoami)
mytarget=$(echo I am user $myname | md5sum | cut -d ' ' -f 1)

echo "Copying passwordfile /etc/bandit_pass/$myname to /tmp/$mytarget"

cat /etc/bandit_pass/$myname > /tmp/$mytarget
bandit22@bandit:~$ cat /tmp/$(echo I am user bandit23 | md5sum | cut -d ' ' -f 1)
jcl1udXuA1tiHqjIsl8yaapX5XIAI6i0n
bandit22@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
iyana@kali:~$ ssh bandit23@bandit.labs.overthewire.org -p 2220
This is a OverTheWire game server. More information on http://www.overthewire.org/w
argames

bandit23@bandit.labs.overthewire.org's password:
Linux bandit.otw.local 5.4.8 x86_64 GNU/Linux
```

Write-Up No.

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit23@bandit: ~  
File Actions Edit View Help  
iyana@kali: ~ bandit23@bandit: ~  
bandit23@bandit:~$ ls /etc/cron.d  
cronjob_bandit15_root cronjob_bandit22 cronjob_bandit24  
cronjob_bandit17_root cronjob_bandit23 cronjob_bandit25_root  
bandit23@bandit:~$ cat /etc/cron.d/cronjob_bandit24  
@reboot bandit24 /usr/bin/cronjob_bandit24.sh &> /dev/null  
* * * * * bandit24 /usr/bin/cronjob_bandit24.sh &> /dev/null  
bandit23@bandit:~$ cat /usr/bin/cronjob_bandit24.sh  
#!/bin/bash  
  
myname=$(whoami)  
  
cd /var/spool/$myname  
echo "Executing and deleting all scripts in /var/spool/$myname:"  
for i in * .*;  
do  
    if [ "$i" != "." -a "$i" != ".." ];  
    then  
        echo "Handling $i"  
        owner="$(stat --format "%U" ./$i)"  
        if [ "${owner}" = "bandit23" ]; then  
            timeout -s 9 60 ./$i  
        fi  
        rm -f ./$i  
    fi  
done  
  
bandit23@bandit:~$ mkdir /tmp/ban23dir  
bandit23@bandit:~$ vim /tmp/ban23dir/pass.sh  
bandit23@bandit:~$ cat /tmp/ban23dir/pass.sh  
#!/bin/bash  
cat /etc/bandit_pass/bandit24 > /tmp/ban23dir/pass  
bandit23@bandit:~$ touch /tmp/ban23dir/pass  
bandit23@bandit:~$ chmod 777 /tmp/ban23dir/pass.sh  
bandit23@bandit:~$ chmod 777 /tmp/ban23dir/pass  
bandit23@bandit:~$ cp /tmp/ban23dir/pass.sh /var/spool/bandit24  
bandit23@bandit:~$ cat /tmp/ban23dir/pass  
UoMYTrfrBFHyQXmg6gzctqAw0mw1IohZ
```

Write-Up No.

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit24@bandit: /tmp/ban24dir
File Actions Edit View Help
iyana@kali: ~ bandit24@ban...tmp/ban24dir
bandit24@bandit:~$ cd /tmp/ban24dir
bandit24@bandit:/tmp/ban24dir$ touch brutefile.txt
bandit24@bandit:/tmp/ban24dir$ touch brutelooop.sh
bandit24@bandit:/tmp/ban24dir$ vim brutelooop.sh
bandit24@bandit:/tmp/ban24dir$ cat brutelooop.sh
#!/bin/bash

ban24pass='UoMYTrfrBFHyQXmg6gzctqAwOmwlIohZ'
ban24file='/tmp/ban24dir/brutefile.txt'

# loop through all 4-digit #s, 0000-9999
# append $ban24pass & the 4-digit # on the same line in $ban24file
for i in {0..9}
do
    for j in {0..9}
    do
        for k in {0..9}
        do
            for l in {0..9}
            do
                echo "${ban24pass} ${i}${j}${k}${l}" >> $ban24file
            done
        done
    done
done

cat $ban24file | nc localhost 30002
bandit24@bandit:/tmp/ban24dir$ bash brutelooop.sh
```

— □ ×

File Actions Edit View Help

1

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit25@bandit: ~  
File Actions Edit View Help  
iyana@kali: ~ bandit25@bandit: ~  
bandit25@bandit:~$ ls  
bandit26.sshkey  
bandit25@bandit:~$ ssh -i bandit26.sshkey bandit26@localhost  
Could not create directory '/home/bandit25/.ssh'.  
The authenticity of host 'localhost (127.0.0.1)' can't be established.  
ECDSA key fingerprint is SHA256:98UL0ZW85496EtCRkKlo20X30PnyPSB5tB5RPbhczc.  
Are you sure you want to continue connecting (yes/no)? yes  
Failed to add the host to the list of known hosts (/home/bandit25/.ssh/known_hosts)  
.  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames
```

```
irc.overthewire.org #wargames.  
  
Enjoy your stay!  
  
bandit26  
Connection to localhost closed.  
bandit25@bandit:~$
```

```
bandit25@bandit: ~  
File Actions Edit View Help  
iyana@kali: ~ bandit25@bandit: ~  
bandit25@bandit:~$ cat /etc/passwd | grep "bandit26"  
bandit26:x:11026:11026:bandit level 26:/home/bandit26:/usr/bin/showtext  
bandit25@bandit:~$ cat /etc/shells  
# /etc/shells: valid login shells  
/bin/sh  
/bin/dash  
/bin/bash  
/bin/rbash  
/usr/bin/screen  
/usr/bin/tmux  
/usr/bin/showtext  
bandit25@bandit:~$ cat /usr/bin/showtext  
#!/bin/sh  
  
export TERM=linux  
  
more ~/text.txt  
exit 0  
bandit25@bandit:~$
```



```
bandit25@bandit: ~
File Actions Edit View Help
iyana@kali: ~ bandit25@bandit: ~
[!_ _ _ _ _] [0] [5] [7]
--More-- (66%)
```

```
bandit25@bandit: ~
File Actions Edit View Help
iyana@kali: ~ bandit25@bandit: ~
1 [!_ _ _ _ _] [0] [5] [7]
2
3
~/text.txt[R0] [dec= 95] [hex=5F] [pos=0001:0003][16% of 6]
:e /etc/bandit_pass/bandit26
```

```
bandit25@bandit: ~
File Actions Edit View Help
iyana@kali: ~ bandit25@bandit: ~
1 5czgV9L3Xx8JP0yRbXh6lQbmIOWvPT6Z
~
~
/etC/bandit_pass/bandit26[R0] [dec= 53] [hex=35] [pos=0001:0001][100% of 1]
"/etc/bandit_pass/bandit26" [readonly] 1L, 33C
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit25@bandit: ~  
File Actions Edit View Help  
iyana@kali: ~ bandit25@bandit: ~  
bandit25@bandit:~$ ls  
bandit26.sshkey  
bandit25@bandit:~$ ssh -i bandit26.sshkey bandit26@localhost  
Could not create directory '/home/bandit25/.ssh'.  
The authenticity of host 'localhost (127.0.0.1)' can't be established.  
ECDSA key fingerprint is SHA256:98UL0ZW85496EtCRkKlo20X30PnyPSB5tB5RPbhczc.  
Are you sure you want to continue connecting (yes/no)? yes  
Failed to add the host to the list of known hosts (/home/bandit25/.ssh/known_hosts)  
.  
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames
```

```
irc.overthewire.org #wargames.  
  
Enjoy your stay!  
  
bandit26  
Connection to localhost closed.  
bandit25@bandit:~$
```

```
bandit25@bandit: ~  
File Actions Edit View Help  
iyana@kali: ~ bandit25@bandit: ~  
bandit25@bandit:~$ cat /etc/passwd | grep "bandit26"  
bandit26:x:11026:11026:bandit level 26:/home/bandit26:/usr/bin/showtext  
bandit25@bandit:~$ cat /etc/shells  
# /etc/shells: valid login shells  
/bin/sh  
/bin/dash  
/bin/bash  
/bin/rbash  
/usr/bin/screen  
/usr/bin/tmux  
/usr/bin/showtext  
bandit25@bandit:~$ cat /usr/bin/showtext  
#!/bin/sh  
  
export TERM=linux  
  
more ~/text.txt  
exit 0  
bandit25@bandit:~$
```


Write-Up No.

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit27@bandit: /tmp/ban27dir/repo
File Actions Edit View Help
iyana@kali: ~ bandit27@ban...an27dir/repo
bandit27@bandit:~$ ls
bandit27@bandit:~$ mkdir /tmp/ban27dir
bandit27@bandit:~$ cd /tmp/ban27dir
bandit27@bandit:/tmp/ban27dir$ git clone ssh://bandit27-git@localhost/home/bandit27
-git/repo
Cloning into 'repo' ...
Could not create directory '/home/bandit27/.ssh'.
The authenticity of host 'localhost (127.0.0.1)' can't be established.
ECDSA key fingerprint is SHA256:98UL0ZWr85496EtCRkKlo20X30PnyPSB5tB5RPbhczc.
Are you sure you want to continue connecting (yes/no)? yes
Failed to add the host to the list of known hosts (/home/bandit27/.ssh/known_hosts)
.
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit27-git@localhost's password:
remote: Counting objects: 3, done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0)
Receiving objects: 100% (3/3), done.
bandit27@bandit:/tmp/ban27dir$ ls
repo
bandit27@bandit:/tmp/ban27dir$ cd repo
bandit27@bandit:/tmp/ban27dir/repo$ ls
README
bandit27@bandit:/tmp/ban27dir/repo$ cat README
The password to the next level is: 0ef186ac70e04ea33b4c1853d2526fa2
```

Write-Up No.

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

File Actions Edit View Help

iyana@kali: ~

bandit28@ban...an29dir/repo

```
bandit28@bandit:~$ mkdir /tmp/ban29dir
bandit28@bandit:~$ cd /tmp/ban29dir
bandit28@bandit:/tmp/ban29dir$ git clone ssh://bandit28-git@localhost/home/bandit28
-git/repo
Cloning into 'repo' ...
Could not create directory '/home/bandit28/.ssh'.
The authenticity of host 'localhost (127.0.0.1)' can't be established.
ECDSA key fingerprint is SHA256:98UL0ZWr85496EtCRkKlo20X30PnyPSB5tB5RPbhczc.
Are you sure you want to continue connecting (yes/no)? yes
Failed to add the host to the list of known hosts (/home/bandit28/.ssh/known_hosts)
.
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit28-git@localhost's password:
remote: Counting objects: 9, done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 9 (delta 2), reused 0 (delta 0)
Receiving objects: 100% (9/9), done.
Resolving deltas: 100% (2/2), done.
bandit28@bandit:/tmp/ban29dir$ cd repo
bandit28@bandit:/tmp/ban29dir/repo$ ls -a
.  .. .git README.md
bandit28@bandit:/tmp/ban29dir/repo$ cat README.md
# Bandit Notes
Some notes for level29 of bandit.

## credentials

- username: bandit29
- password: xxxxxxxxxx

bandit28@bandit:/tmp/ban29dir/repo$ git log
commit edd935d60906b33f0619605abd1689808ccdd5ee
Author: Morla Porla <morla@overthewire.org>
Date: Thu May 7 20:14:49 2020 +0200

    fix info leak

commit c086d11a00c0648d095d04c089786efef5e01264
Author: Morla Porla <morla@overthewire.org>
Date: Thu May 7 20:14:49 2020 +0200

    add missing data

commit de2ebe2d5fd1598cd547f4d56247e053be3fdc38
Author: Ben Dover <noone@overthewire.org>
Date: Thu May 7 20:14:49 2020 +0200

    initial commit of README.md
bandit28@bandit:/tmp/ban29dir/repo$ git checkout c086d11a00c0648d095d04c089786efef5e01264
Note: checking out 'c086d11a00c0648d095d04c089786efef5e01264'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by performing another checkout.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -b with the checkout command again. Example:

    git checkout -b <new-branch-name>

HEAD is now at c086d11... add missing data
bandit28@bandit:/tmp/ban29dir/repo$ cat README.md
# Bandit Notes
Some notes for level29 of bandit.

## credentials

- username: bandit29
- password: bbc96594b4e001778eee9975372716b2

bandit28@bandit:/tmp/ban29dir/repo$
```


Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

iyana@kali: ~

bandit29@ban...an30dir/repo

```
bandit29@bandit:~$ mkdir /tmp/ban30dir
bandit29@bandit:~$ cd /tmp/ban30dir
bandit29@bandit:/tmp/ban30dir$ git clone ssh://bandit29-git@localhost/home/bandit29
-git/repo
Cloning into 'repo' ...
Could not create directory '/home/bandit29/.ssh'.
The authenticity of host 'localhost (127.0.0.1)' can't be established.
ECDSA key fingerprint is SHA256:98UL0ZW85496EtCRkKlo20X30PnyPSB5tB5RPbhczc.
Are you sure you want to continue connecting (yes/no)? yes
Failed to add the host to the list of known hosts (/home/bandit29/.ssh/known_hosts)
.
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit29-git@localhost's password:
remote: Counting objects: 16, done.
remote: Compressing objects: 100% (11/11), done.
Receiving objects: 100% (16/16), done.
remote: Total 16 (delta 2), reused 0 (delta 0)
Resolving deltas: 100% (2/2), done.
bandit29@bandit:/tmp/ban30dir$ cd repo
bandit29@bandit:/tmp/ban30dir/repo$ ls -a
.  ..  .git  README.md
bandit29@bandit:/tmp/ban30dir/repo$ cat README.md
# Bandit Notes
Some notes for bandit30 of bandit.

## credentials

- username: bandit30
- password: <no passwords in production!>

bandit29@bandit:/tmp/ban30dir/repo$ git branch -r
origin/HEAD -> origin/master
origin/dev
origin/master
origin/sploits-dev
bandit29@bandit:/tmp/ban30dir/repo$ git checkout dev
Branch dev set up to track remote branch dev from origin.
Switched to a new branch 'dev'
bandit29@bandit:/tmp/ban30dir/repo$ cat README.md
# Bandit Notes
Some notes for bandit30 of bandit.

## credentials

- username: bandit30
- password: 5b90576bedb2cc04c86a9e924ce42faf
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit30@bandit: /tmp/ban31dir/repo
File Actions Edit View Help
iyana@kali: ~ bandit30@ban...an31dir/repo
bandit30@bandit:~$ mkdir /tmp/ban31dir
bandit30@bandit:~$ cd /tmp/ban31dir
bandit30@bandit:/tmp/ban31dir$ git clone ssh://bandit30-git@localhost/home/bandit30
-git/repo
Cloning into 'repo' ...
Could not create directory '/home/bandit30/.ssh'.
The authenticity of host 'localhost (127.0.0.1)' can't be established.
ECDSA key fingerprint is SHA256:98UL0ZW85496EtCRkKlo20X30PnyPSB5tB5RPbhczc.
Are you sure you want to continue connecting (yes/no)? yes
Failed to add the host to the list of known hosts (/home/bandit30/.ssh/known_hosts)
.
This is a OverTheWire game server. More information on http://www.overthewire.org/w
argames

bandit30-git@localhost's password:
remote: Counting objects: 4, done.
Receiving objects: 100% (4/4), done.
remote: Total 4 (delta 0), reused 0 (delta 0)
bandit30@bandit:/tmp/ban31dir$ cd repo
bandit30@bandit:/tmp/ban31dir/repo$ ls -a
.  ..  .git  README.md
bandit30@bandit:/tmp/ban31dir/repo$ cat README.md
just an empty file... muahaha
bandit30@bandit:/tmp/ban31dir/repo$ git log
commit 3aefa229469b7ba1cc08203e5d8fa299354c496b
Author: Ben Dover <noone@overthewire.org>
Date: Thu May 7 20:14:54 2020 +0200

    initial commit of README.md
bandit30@bandit:/tmp/ban31dir/repo$ git branch -r
origin/HEAD -> origin/master
origin/master
bandit30@bandit:/tmp/ban31dir/repo$ git tag
secret
bandit30@bandit:/tmp/ban31dir/repo$ git show secret
47e603bb428404d265f59c42920d81e5
bandit30@bandit:/tmp/ban31dir/repo$
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
bandit31@bandit: /tmp/ban31dir/repo
File Actions Edit View Help
iyana@kali: ~ bandit31@ban...an31dir/repo

bandit31@bandit:~$ mkdir /tmp/ban31dir
bandit31@bandit:~$ cd /tmp/ban31dir
bandit31@bandit:/tmp/ban31dir$ git clone ssh://bandit31-git@localhost/home/bandit31-git/repo
Cloning into 'repo' ...
Could not create directory '/home/bandit31/.ssh'.
The authenticity of host 'localhost (127.0.0.1)' can't be established.
ECDSA key fingerprint is SHA256:98UL0ZW85496EtCRkKlo20X30PnyPSB5tB5RPbhczc.
Are you sure you want to continue connecting (yes/no)? yes
Failed to add the host to the list of known hosts (/home/bandit31/.ssh/known_hosts)
.
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit31-git@localhost's password:
remote: Counting objects: 4, done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 4 (delta 0), reused 0 (delta 0)
Receiving objects: 100% (4/4), done.
bandit31@bandit:/tmp/ban31dir$ cd repo
bandit31@bandit:/tmp/ban31dir/repo$ ls
README.md
bandit31@bandit:/tmp/ban31dir/repo$ cat README.md
This time your task is to push a file to the remote repository.

Details:
  File name: key.txt
  Content: 'May I come in?'
  Branch: master

bandit31@bandit:/tmp/ban31dir/repo$ git branch
* master
bandit31@bandit:/tmp/ban31dir/repo$ echo "May I come in?" > key.txt
bandit31@bandit:/tmp/ban31dir/repo$ git add key.txt
The following paths are ignored by one of your .gitignore files:
key.txt
Use -f if you really want to add them.
bandit31@bandit:/tmp/ban31dir/repo$ git add -f key.txt
bandit31@bandit:/tmp/ban31dir/repo$ git commit -m "Added key.txt"
[master 4d5e609] Added key.txt
 1 file changed, 1 insertion(+)
 create mode 100644 key.txt
bandit31@bandit:/tmp/ban31dir/repo$ git push
Could not create directory '/home/bandit31/.ssh'.
The authenticity of host 'localhost (127.0.0.1)' can't be established.
ECDSA key fingerprint is SHA256:98UL0ZW85496EtCRkKlo20X30PnyPSB5tB5RPbhczc.
Are you sure you want to continue connecting (yes/no)? yes
Failed to add the host to the list of known hosts (/home/bandit31/.ssh/known_hosts)
.
This is a OverTheWire game server. More information on http://www.overthewire.org/wargames

bandit31-git@localhost's password:
Counting objects: 3, done.
Delta compression using up to 2 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 323 bytes | 0 bytes/s, done.
Total 3 (delta 0), reused 0 (delta 0)
remote: ### Attempting to validate files... ###
remote:
remote: .oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.
remote:
remote: Well done! Here is the password for the next level:
remote: 56a9bf19c63d650ce78e6ec0354ee45e
remote:
remote: .oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.oOo.
remote:
To ssh://localhost/home/bandit31-git/repo
 ! [remote rejected] master -> master (pre-receive hook declined)
error: failed to push some refs to 'ssh://bandit31-git@localhost/home/bandit31-git/repo'
bandit31@bandit:/tmp/ban31dir/repo$
```

Write-Up No. _____

Task: _____

Operating System: _____

Distribution: _____

Number of Machines: _____

Software: _____

Capture-the-Flag Site/Wargame: _____

Procedure: _____

End Result: _____

```
iyana@kali: ~  
File Actions Edit View Help  
iyana@kali: ~ iyana@kali: ~  
  
http://www.overthewire.org/wargames/  
  
For support, questions or comments, contact us through IRC on  
irc.overthewire.org #wargames.  
  
Enjoy your stay!  
  
WELCOME TO THE UPPERCASE SHELL  
>> ls  
sh: 1: LS: not found  
>> $0  
$ cat /etc/passwd | grep bandit32  
bandit32:x:11032:11032:bandit level 32:/home/bandit32:/home/bandit32/uppershell  
$ file uppershell  
uppershell: setuid ELF 32-bit LSB executable, Intel 80386, version 1 (SYSV)  
, dynamically linked, interpreter /lib/ld-linux.so.2, for GNU/Linux 2.6.32,  
BuildID[sha1]=e6a8ed571599ce2bfa8b77145dbfc4eb933c1477, not stripped  
$ cat /etc/bandit_pass/bandit33  
c9c3199ddf4121b10cf581a98d51caee  
$
```