

bandit2@bandit: ~

This machine might hold several wargames.
If you are playing "somegame", then:

```
* USERNAMES are somegame0, somegame1, ...
* Most LEVELS are stored in /somegame/.
* PASSWORDS for each level are stored in /etc/somegame_pass/.
```

Write-access to homedirectories is disabled. It is advised to create a working directory with a hard-to-guess name in /tmp/. You can use the command "mktemp -d" in order to generate a random and hard to guess directory in /tmp/. Read-access to both /tmp/ is disabled and to /proc restricted so that users cannot snoop on eachother. Files and directories with easily guessable or short names will be periodically deleted! The /tmp directory is regularly wiped.

Please play nice:

```
* don't leave orphan processes running
* don't leave exploit-files laying around
* don't annoy other players
* don't post passwords or spoilers
* again, DONT POST SPOILERS!
    This includes writeups of your solution on your blog or website!
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--[Tips]--

This machine has a 64bit processor and many security-features enabled by default, although ASLR has been switched off. The following compiler flags might be interesting:

```
-m32           compile for 32bit
-fno-stack-protector  disable ProPolice
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In addition, the execstack tool can be used to flag the stack as executable on ELF binaries.

Finally, network-access is limited for most levels by a local firewall.

--[Tools]--

bandit2@bandit: ~



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* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)
```

Both python2 and python3 are installed.

--[More information]--

For more information regarding individual wargames, visit
<http://www.overthewire.org/wargames/>

For support, questions or comments, contact us on discord or IRC.

Enjoy your stay!

```
bandit0@bandit:~$ ls
readme
bandit0@bandit:~$ cat readme
NH2SXQwcBdpmTEzi3bvBHMM9H66vVXjL
bandit0@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
kshriya@kshriya-VirtualBox:~$ ssh bandit1@bandit.labs.overthewire.org -p2220
```



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

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bandit1@bandit.labs.overthewire.org's password:

www. --- ver --- he ---" ire.org

Welcome to OverTheWire!

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bandit2@bandit: ~

```
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```
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- * radare2 (<http://www.radare.org/>)

Both authkey and authkey2 are installed

```
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Both python2 and python3 are installed.

--[ More information ]--

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Enjoy your stay!

bandit1@bandit:~$ ls -alps
total 24
4 -rw-r---- 1 bandit2 bandit1 33 Apr 23 18:04 -
4 drwxr-xr-x 2 root root 4096 Apr 23 18:04 ../
4 drwxr-xr-x 70 root root 4096 Apr 23 18:05 ../
4 -rw-r--r-- 1 root root 220 Jan 6 2022 .bash_logout
4 -rw-r--r-- 1 root root 3771 Jan 6 2022 .bashrc
4 -rw-r--r-- 1 root root 807 Jan 6 2022 .profile
bandit1@bandit:~$ cat ../
rRGizSaX8Mk1RTb1CNQoXTcYZWU6lgzi
bandit1@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
kshriya@kshriya-VirtualBox:~$ ssh bandit2@bandit.labs.overthewire.org -p2220
[|__/\_--_/_\_|_(_)_|_
 [__|_|(|_|_|_|_|_|_|_|_
 [_.\_\_/_|_|_|_|_|_\_/_|_]

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

www.verihe.org

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bandit2@bandit: ~



```
directory in /tmp/. Newer access to both /tmp/ is disabled and to /proc  
restricted so that users cannot snoop on eachother. Files and directories  
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kshriya@kshriya-VirtualBox: ~
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--[ More information ]--

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total 24
4 drwxr-xr-x 2 root      root      4096 Apr 23 18:04 .
4 drwxr-xr-x 70 root      root      4096 Apr 23 18:05 ../
4 -rw-r--r--  1 root      root      220 Jan  6  2022 .bash_logout
4 -rw-r--r--  1 root      root     3771 Jan  6  2022 .bashrc
4 -rw-r--r--  1 root      root      807 Jan  6  2022 .profile
4 -rw-r----- 1 bandit3 bandit2    33 Apr 23 18:04 spaces in this filename
bandit2@bandit:~$ cat spaces\ in\ this\ filename
aBZ0W5EmUfAf7kHTQeOwd8bauFJ2lAiG
bandit2@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
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```
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kshriya@kshriya-VirtualBox:~$ ssh bandit3@bandit.labs.overthewire.org -p2220
[|_|_ \ /_.-_-_- \ /_(_)_|_
[|_|_|_ |_)_|_|_|_ |_)_|_|_|_
[|_|_ / \_,_|_|_|_ | \_,_|_|_|_]

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bandit3@bandit.labs.overthewire.org's password:
[|_|_ \ /_.-_-_- \ /_(_)_|_
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kshriya@kshriya-VirtualBox: ~



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total 24
4 drwxr-xr-x  3 root root 4096 Apr 23 18:04 ./
4 drwxr-xr-x 70 root root 4096 Apr 23 18:05 ../
4 -rw-r--r--  1 root root  220 Jan  6 2022 .bash_logout
4 -rw-r--r--  1 root root 3771 Jan  6 2022 .bashrc
4 drwxr-xr-x  2 root root 4096 Apr 23 18:04 inhere/
4 -rw-r--r--  1 root root  807 Jan  6 2022 .profile
bandit3@bandit:~$ cd inhere/
bandit3@bandit:~/inhere$ cat .hidden
2EW7B8sr6aMMoJ2HjW067dm8EgX26xNe
bandit3@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.
kshriya@kshriya-VirtualBox:~$
```

bandit4@bandit: ~

```
bandit3@bandit:~$ ls -alps
total 24
4 drwxr-xr-x  3 root root 4096 Apr 23 18:04 .
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kshriya@kshriya-VirtualBox:~$ ssh bandit4@bandit.labs.overthewire.org -p2220
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```

```
bandit4@bandit.labs.overthewire.org's password:
```



```
bandit4@bandit: ~
ksnrtya@ksnrtya-VirtualBox:~$ ssh bandit4@bandit.labs.overthewire.org -p2222
[|_|_ \ /-.-|-_- \ /-[-()]-|_
 [ ]_|_ [ ]_ |_ [ ]_ |_ [ ]_
 [_.-/_ \_, _|_|_ |_ \_, _|_|_ \_|

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www.---ver      ---he      ---"ire.org

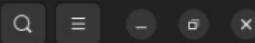
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bandit4@bandit:~\$

```
bandit4@bandit: ~/inhere
```

```
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```
bandit4@bandit:~$ cd inhere/
bandit4@bandit:~/inhere$ ls
-file00  -file01  -file02  -file03  -file04  -file05  -file06  -file07  -file08  -file09
bandit4@bandit:~/inhere$ find . -type | xargs |
>
> ^C
bandit4@bandit:~/inhere$ find . -type | xargs |
> ^C
bandit4@bandit:~/inhere$ find . -type | xargs file
find: missing argument to '-type'
Usage: file [-bccDdEhikLlNnprssVvzz0] [--apple] [--extension] [--mime-encoding]
           [--mime-type] [-e <testname>] [-F <separator>]  [-f <namefile>]
           [-m <magicfiles>] [-P <parameter=value>] [--exclude-quiet]
           <file> ...
       file -C [-m <magicfiles>]
       file [--help]
bandit4@bandit:~/inhere$
```

bandit4@bandit: ~/inhere

XARGS(1)

General Commands Manual

XARGS(1)

NAME

xargs - build and execute command lines from standard input

SYNOPSIS

xargs [options] [command [initial-arguments]]

DESCRIPTION

This manual page documents the GNU version of **xargs**. **xargs** reads items from the standard input, delimited by blanks (which can be protected with double or single quotes or a backslash) or newlines, and executes the **command** (default is **/bin/echo**) one or more times with any **initial-arguments** followed by items read from standard input. Blank lines on the standard input are ignored.

The command line for **command** is built up until it reaches a system-defined limit (unless the **-n** and **-L** options are used). The specified **command** will be invoked as many times as necessary to use up the list of input items. In general, there will be many fewer invocations of **command** than there were items in the input. This will normally have significant performance benefits. Some commands can usefully be executed in parallel too; see the **-P** option.

Because Unix filenames can contain blanks and newlines, this default behaviour is often problematic; filenames containing blanks and/or newlines are incorrectly processed by **xargs**. In these situations it is better to use the **-0** option, which prevents such problems. When using this option you will need to ensure that the program which produces the input for **xargs** also uses a null character as a separator. If that program is GNU **find** for example, the **-print0** option does this for you.

If any invocation of the command exits with a status of 255, **xargs** will stop immediately without reading any further input. An error message is issued on stderr when this happens.

OPTIONS

-0, --null

Input items are terminated by a null character instead of by whitespace, and the quotes and backslash are not special (every character is taken literally). Disables the end of file string, which is treated like any other argument. Useful when input items might contain white space, quote marks, or backslashes. The GNU **find** **-print0** option produces input suitable for this mode.

-a file, --arg-file=file

Read items from **file** instead of standard input. If you use this option, **stdin** remains unchanged when commands are run. Otherwise, **stdin** is redirected from **/dev/null**.

Manual page xargs(1) line 1 (press h for help or q to quit)

kshriya@kshriya-VirtualBox: ~

```
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--[More information]--

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<http://www.overthewire.org/wargames/>

For support, questions or comments, contact us on discord or IRC.

Enjoy your stay!

```
bandit4@bandit:~$ cd inhere/
bandit4@bandit:~/inhere$ ls
-file00 -file01 -file02 -file03 -file04 -file05 -file06 -file07 -file08 -file09
bandit4@bandit:~/inhere$ find . -type | xargs |
>
> ^C
bandit4@bandit:~/inhere$ find . -type | xargs |
> ^C
bandit4@bandit:~/inhere$ find . -type | xargs file
find: missing argument to `‐type'
Usage: file [-bcCdEhikLlNnprssVzZ0] [--apple] [--extension] [--mime-encoding]
           [--mime-type] [-e <testname>] [-F <separator>] [-f <namefile>]
           [-m <magicfiles>] [-P <parameter=value>] [--exclude-quiet]
           <file> ...
       file -C [-m <magicfiles>]
       file [-help]
bandit4@bandit:~/inhere$ man xargs
bandit4@bandit:~/inhere$ cat ./file07
lrIWWI6bB37kxficQZqUd0IYfr6eEqR
bandit4@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.
kshriya@kshriya-VirtualBox:~$
```

```
[*] bandit5@bandit: ~
[--mime-type] [-e <testname>] [-F <separator>] [-f <namefile>]
[-m <magicfiles>] [-P <parameter=value>] [--exclude-quiet]
<file> ...
file -C [-m <magicfiles>]
file [--help]
bandit4@bandit:~/inhere$ man xargs
bandit4@bandit:~/inhere$ cat ./file07
lrIWI6bB37kxficQZqUdOIYfr6eEeqR
bandit4@bandit:~/inhere$ exit
logout
Connection to bandit.labs.overthewire.org closed.
kshriya@kshriya-VirtualBox:~$ ssh bandit5@bandit.labs.overthewire.org -p2220
```

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

bandit5@bandit.labs.overthewire.org's password:

```
graph TD; de1[de] --> de2[de]; de1 --> de3[de]; de1 --> de4[de]; de1 --> de5[de]; de2 --> ver[ver]; de2 --> he[he]; de3 --> www[www]; de3 --> ireorg["ire.org"]
```

Welcome to OverTheWire!

```
bandit5@bandit: ~
www.----ver   ;----he   \---" ire.org

Welcome to OverTheWire!

If you find any problems, please report them to the #wargames channel on
discord or IRC.

--[ Playing the games ]--

This machine might hold several wargames.
If you are playing "somegame", then:

* USERNAMES are somegame0, somegame1, ...
* Most LEVELS are stored in /somegame/.
* PASSWORDS for each level are stored in /etc/somegame_pass/.

Write-access to homedirectories is disabled. It is advised to create a
working directory with a hard-to-guess name in /tmp/. You can use the
command "mktemp -d" in order to generate a random and hard to guess
directory in /tmp/. Read-access to both /tmp/ is disabled and to /proc
restricted so that users cannot snoop on eachother. Files and directories
with easily guessable or short names will be periodically deleted! The /tmp
directory is regularly wiped.
Please play nice:

* don't leave orphan processes running
* don't leave exploit-files laying around
* don't annoy other players
* don't post passwords or spoilers
* again, DONT POST SPOILERS!
  This includes writeups of your solution on your blog or website!

--[ Tips ]--

This machine has a 64bit processor and many security-features enabled
```

bandit5@bandit: ~

--[Tips]--

This machine has a 64bit processor and many security-features enabled by default, although ASLR has been switched off. The following compiler flags might be interesting:

```
-m32           compile for 32bit  
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In addition, the execstack tool can be used to flag the stack as executable on ELF binaries.

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--[Tools]--

For your convenience we have installed a few useful tools which you can find in the following locations:

- * gef (<https://github.com/hugsy/gef>) in /opt/gef/
- * pwndbg (<https://github.com/pwndbg/pwndbg>) in /opt/pwndbg/
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- * radare2 (<http://www.radare.org/>)

Both python2 and python3 are installed.

--[More information]--

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Enjoy your stay!

bandit5@bandit:~\$

```
bandit5@bandit: ~/inhere
firewall.

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Enjoy your stay!

bandit5@bandit:~$ ls
inhere
bandit5@bandit:~$ cd inhere/
bandit5@bandit:~/inhere$ find . -type f -size 1033c ! -executable
./maybehere07/.file2
bandit5@bandit:~/inhere$ cat ./maybehere07/.file2
P4L4vucdmLnm8I7Vl7jG1ApGSfjYKqJU
```

```
bandit5@bandit:~/inhere$ █
```


bandit6@bandit: ~



working directory with a hard-to-guess name in /tmp/. You can use the command "mktemp -d" in order to generate a random and hard to guess directory in /tmp/. Read-access to both /tmp/ is disabled and to /proc restricted so that users cannot snoop on eachother. Files and directories with easily guessable or short names will be periodically deleted! The /tmp directory is regularly wiped.
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Enjoy your stay!

bandit6@bandit:~\$

bandit6@bandit: ~

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Enjoy your stay!

```
bandit6@bandit:~$ find / -type f -user bandit7 -group bandit6 -size 33c
```

bandit6@bandit: ~



Enjoy your stay!

```
bandit6@bandit:~$ find / -type f -user bandit7 -group bandit6 -size 33c
find: '/var/log': Permission denied
find: '/var/crash': Permission denied
find: '/var/spool/rsyslog': Permission denied
find: '/var/spool/bandit24': Permission denied
find: '/var/spool/cron/crontabs': Permission denied
find: '/var/tmp': Permission denied
find: '/var/lib/polkit-1': Permission denied
/var/lib/dpkg/info/bandit7.password
find: '/var/lib/chrony': Permission denied
find: '/var/lib/apt/lists/partial': Permission denied
find: '/var/lib/amazon': Permission denied
find: '/var/lib/update-notifier/package-data-downloads/partial': Permission denied
find: '/var/lib/snapd/void': Permission denied
find: '/var/lib/snapd/cookie': Permission denied
find: '/var/lib/ubuntu-advantage/apt-esm/var/lib/apt/lists/partial': Permission denied
find: '/var/lib/private': Permission denied
find: '/var/snap/lxd/common/lxd': Permission denied
find: '/var/cache/ldconfig': Permission denied
find: '/var/cache/apt/archives/partial': Permission denied
find: '/var/cache/pollinate': Permission denied
find: '/var/cache/private': Permission denied
find: '/var/cache/apparmor/a4dd844e.0': Permission denied
find: '/var/cache/apparmor/8eeb6286.0': Permission denied
find: '/drifter/drifter14_src/axTLS': Permission denied
find: '/home/bandit29-git': Permission denied
find: '/home/drifter6/data': Permission denied
find: '/home/bandit28-git': Permission denied
find: '/home/drifter8/chroot': Permission denied
find: '/home/ubuntu': Permission denied
find: '/home/bandit5/inhere': Permission denied
find: '/home/bandit27-git': Permission denied
find: '/home/bandit30-git': Permission denied
find: '/home/bandit31-git': Permission denied
find: '/boot/efi': Permission denied
find: '/proc/tty/driver': Permission denied
find: '/proc/1276585/task/1276585/fdinfo/6': No such file or directory
find: '/proc/1276585/fdinfo/5': No such file or directory
```

bandit6@bandit: ~

```
find: '/proc/tty/driver': Permission denied
find: '/proc/1276585/task/1276585/fdinfo/6': No such file or directory
find: '/proc/1276585/fdinfo/5': No such file or directory
find: '/etc/polkit-1/localauthority': Permission denied
find: '/etc/ssl/private': Permission denied
find: '/etc/multipath': Permission denied
find: '/etc/sudoers.d': Permission denied
find: '/dev/mqueue': Permission denied
find: '/dev/shm': Permission denied
find: '/tmp': Permission denied
find: '/snap': Permission denied
find: '/lost+found': Permission denied
find: '/run/chrony': Permission denied
find: '/run/user/8003': Permission denied
find: '/run/user/8002': Permission denied
find: '/run/user/11030': Permission denied
find: '/run/user/11009': Permission denied
find: '/run/user/11022': Permission denied
find: '/run/user/11018': Permission denied
find: '/run/user/11029': Permission denied
find: '/run/user/8001': Permission denied
find: '/run/user/11017': Permission denied
find: '/run/user/11028': Permission denied
find: '/run/user/11021': Permission denied
find: '/run/user/11015': Permission denied
find: '/run/user/11032': Permission denied
find: '/run/user/11006/systemd/inaccessible/dir': Permission denied
find: '/run/user/11007': Permission denied
find: '/run/user/11003': Permission denied
find: '/run/user/11002': Permission denied
find: '/run/user/11019': Permission denied
find: '/run/user/11014': Permission denied
find: '/run/user/11025': Permission denied
find: '/run/user/11023': Permission denied
find: '/run/user/11008': Permission denied
find: '/run/user/11011': Permission denied
find: '/run/user/11000': Permission denied
find: '/run/user/11024': Permission denied
find: '/run/user/11020': Permission denied
find: '/run/user/11004': Permission denied
```

bandit6@bandit: ~

```
find: '/run/user/11021': Permission denied
find: '/run/user/11015': Permission denied
find: '/run/user/11032': Permission denied
find: '/run/user/11006/systemd/inaccessible/dir': Permission denied
find: '/run/user/11007': Permission denied
find: '/run/user/11003': Permission denied
find: '/run/user/11002': Permission denied
find: '/run/user/11019': Permission denied
find: '/run/user/11014': Permission denied
find: '/run/user/11025': Permission denied
find: '/run/user/11023': Permission denied
find: '/run/user/11008': Permission denied
find: '/run/user/11011': Permission denied
find: '/run/user/11000': Permission denied
find: '/run/user/11024': Permission denied
find: '/run/user/11020': Permission denied
find: '/run/user/11004': Permission denied
find: '/run/user/11001': Permission denied
find: '/run/user/11005': Permission denied
find: '/run/user/11012': Permission denied
find: '/run/user/11013': Permission denied
find: '/run/user/11016': Permission denied
find: '/run/sudo': Permission denied
find: '/run/screen/S-bandit24': Permission denied
find: '/run/screen/S-bandit13': Permission denied
find: '/run/screen/S-bandit20': Permission denied
find: '/run/multipath': Permission denied
find: '/run/cryptsetup': Permission denied
find: '/run/lvm': Permission denied
find: '/run/credentials/systemd-sysusers.service': Permission denied
find: '/run/systemd/propagate': Permission denied
find: '/run/systemd/unit-root': Permission denied
find: '/run/systemd/inaccessible/dir': Permission denied
find: '/run/lock/lvm': Permission denied
find: '/root': Permission denied
find: '/sys/kernel/tracing': Permission denied
find: '/sys/kernel/debug': Permission denied
find: '/sys/fs/pstore': Permission denied
find: '/sys/fs/bpf': Permission denied
bandit6@bandit: ~
```

```
kshriya@kshriya-VirtualBox: ~
```

```
find: '/run/user/11004': Permission denied
find: '/run/user/11001': Permission denied
find: '/run/user/11005': Permission denied
find: '/run/user/11012': Permission denied
find: '/run/user/11013': Permission denied
find: '/run/user/11016': Permission denied
find: '/run/sudo': Permission denied
find: '/run/screen/S-bandit24': Permission denied
find: '/run/screen/S-bandit13': Permission denied
find: '/run/screen/S-bandit20': Permission denied
find: '/run/multipath': Permission denied
find: '/run/cryptsetup': Permission denied
find: '/run/lvm': Permission denied
find: '/run/credentials/systemd-sysusers.service': Permission denied
find: '/run/systemd/propagate': Permission denied
find: '/run/systemd/unit-root': Permission denied
find: '/run/systemd/inaccessible/dir': Permission denied
find: '/run/lock/lvm': Permission denied
find: '/root': Permission denied
find: '/sys/kernel/tracing': Permission denied
find: '/sys/kernel/debug': Permission denied
find: '/sys/fs/pstore': Permission denied
find: '/sys/fs/bpf': Permission denied
bandit6@bandit:~$ cat /var/lib/dpkg/info/bandit7.password
z7Wt0NQU2XfjmMtWA8u5rN4vzqu4v99S
bandit6@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
kshriya@kshriya-VirtualBox:~$ ssh bandit7@bandit.labs.overthewire.org -p2220
[ _ \ / -. - - - \ / - [ - O - ] -
| ( ) | ( ) | ( ) | ( ) | ( ) | ( ) |
| . . / \ . , _ | _ | _ | \ . , _ | _ | \ . |
```

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

bandit7@bandit.labs.overthewire.org's password:


```
[+] bandit7@bandit:~ Q = D X
--[ Tips ]--
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Enjoy your stay!
bandit7@bandit:~$
```

```
bandit7@bandit: ~
```

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Enjoy your stay!

```
bandit7@bandit:~$ ls -alps
total 4108
4 drwxr-xr-x  2 root      root        4096 Apr 23 18:04  /
4 drwxr-xr-x 70 root      root        4096 Apr 23 18:05  ../
4 -rw-r--r--  1 root      root       220 Jan  6  2022 .bash_logout
4 -rw-r--r--  1 root      root      3771 Jan  6  2022 .bashrc
4088 -rw-r-----  1 bandit8 bandit7  4184396 Apr 23 18:04 data.txt
4 -rw-r--r--  1 root      root       807 Jan  6  2022 .profile
bandit7@bandit:~$ cat data.txt
```

bandit7@bandit: ~

```
newts      z9a3b5W0wTEzCQRCUctrMW0gom6000Fj
chickens    Hf5qovi6LmnxcfGW5gkze9Xbbu8amXOT
dispenser   YIPllqdhauyFp0Jwx5110UsnN2lb54qq
latrine    Lssqyt2QnBrABz9mfPEuDdp39Uzo4dGo
arthropods  eRZGzvaPoashA3ifsnlUnB2CIhgWuBnl
billfolds   DNtLexApLwaG670u4oXEakLF2Yty3XzL
skimped     ByrI0CErPhqbdVQ0SSjMmj053ygXcbT
speakeasy's  1WTnWmpx136TDTi7S3nYXnUkcc3iP7h
educators   VzJHB8HXxxs0aQ6rmYt5HRwINUFQvCOP
throes      NBC4D32LFETRLBQoHHrbkJN0IReqq8Vg
bordering   9M41l7tGXQd999ER3XygTCawx6ywTn2B
gleeful     bqF2Nknfj3eGLgk2cNWCCfArGRku4jm6
stalagmite  f9G8Nzg1sc2iaNdxPyFPCVPa36kdl0cf
selectively Arah3X9rzCXBt408k8t3FWHYz1yjia7L
stultified  Nx4JVtYVtmnG0cc6nLhr0dogQ7mIduvg
Ladoga      00ignzy4YoAXePaaNyAW1lqs1zGXH72
undistinguished FyAlao2sKb8RM2w8kCtxrcbMMDX6y4ZJ
dados       TuVbaAeGmjvo7050UNzE2smgR80aoOou
rational    OSFEDnowb8MQSKYhMeqeInfWPXF83gMT
agave's     YsDlcWPwGtu6h0f2Wtg2VlmDYMLwxWdm
guaranteeing FCegN1lRLiucVxdIp9L4nRdbUSXyxqw9
prickles    080g2dq0onoBY068GaTL7uUY66zDVhJ0
Yakut's     rsSpDvuW78ZsubEW0yH5qLD6aKrBqatn
Londoner    A2f9Glxwtk4R0q15kUw4SmzjcYVTyv5C
Yemen       y0Tp4gdc66QqEKiAB6k4z5tRM0qOLu0H
Angelia     7EfGKffuALTyLxf1oOf2R0cjsvqrq0u8
appreciated LvCLEPYkF6tWcA0kjorHL0HDeSBXD65Q
Snead       zSh9767pT0wH4MN70hzHVF6l2d2j4N3y
sullener    AFU1EypHylzo6by0SpwhARVq3qTQmpjX
sidewall's  j0lnsAPRLLROTjVdLVn0ICLcJ1Au9j1W
perihelia   RofjsHzEFrcNSxYbfv3nHkRzUwm7bM7S
obliging    tHnfjqAhNX246PQ6P0hqL8zVzEceix3N
Magsaysay's 9Rrh3BIJHKfSOKhz8aQRrx3NVpDUDEu
moonbeam    OagAHBjawU2R4tmRoukRJ4HmJKqtSfCN
perverts    b0ulJkaSMkJqd8dpAjdp0e09d3Pdhrjz0
hiatus's    opxc08ENeDCszbxJ9nTmqygQ0JBg3JIj
codicil's    Yn1UpiOPeuAv5cZG0w2nR1eeQubcQf7L
knapsack's  q0TlcjcfJMjV1TePXho02btMoD9u6LTd
molding's   y6MUI5FGEb13BDuQ6YiBVjbmmMMteEJjW
chivalrous  xNDWLjX64AdEUvejB58CEInpLk8N3WzS
```

bandit7@bandit: ~

```
begged B/Qc62Eu0TtmoplPzivjLScMzLbbVym  
repackaging YoPclLh45UksiWldFp9p9RHVRaajHpB9  
elusiveness Pc0jBY0D143dEpwNRR6lq2K6nuNwpOyA  
elegiac GZfGfsweGcKyqv5y3z7BakSMa7cgEo50  
draining cboW8xsnC3oMbmfa5kUCSoVDDofv1DT  
introduces 7ZWyF9JFKncwC92aHQtyE6qM4jZwzYYaw  
haloed ppqaK1tY7WDX7grjyy9JMsrDdxdlbrl  
errant Ffq0TA0MWTEeza5aqHgFVCfVdhImSBWQ  
kudzu DRoslry2aYftVC4CjDabaAEgy2VVQdqcF  
proportioning tZB9XAX4lkpmv0lUZSPv90Ejnm9TNPei  
undergrowth's 0JcNuX6tYxkN800iNY4AucgQTqqLF3HH  
lunge's 7D3HDtYNz4f0Xsg1LommzsALxBZJC4x2  
Penney's nawFReJjDMPzJm4hOPfMjLNZTsubPZn4  
nudist sxgxoqlRPr1lT7XjpjIx9fxYQ3PwEoyH  
weightlessness bQvZ2CwujZsD2JlI2RDV7g5pHgDVmPU  
Webern cuHM1HCG5pm601eM1t8ZdeUdX56FKxtK  
initiator's 4q8279Uv9oGV87Up8mK31MXmss0GFVkj  
forethought 5jbKtpEUYyxEMx1W3rPr7RfjYGDcSbh  
Astarte's 9aWBmfIb120aSubCYjdE18mBDifeCXLE  
potlucks YarEFnKtCm2m6AYrGm6rP6z2dgTcJ4R9  
wildebeest awSPKUUavA3POGmeiHxv5UJw4CtKnI9x  
hurried llpT5PjkyOafafDLJcYh0KnKwqFs5n4m  
tames KUXFxkJE1BvhjueMDXXEAmuhaZQk5sRl  
tellingly Lwo0XZqjgP694dMFk2CEbuIm1Ys5mtHz  
Heather kzFe0ZCtkIw8yU0d15EsxvwlnsUSBInG1  
circus NsuZm0MUjTVL7XAB6w3JvAIGAn7zv7hf  
wife YpW0SdyY6EcBE1a1gvjY704eppcx fy9R  
Hasbro gqCq4dh9wb1B87lqbijEckHYZax58Z0  
battened EcUJiofcCUZMyHW4a1wRwV7cwl5CXuC1  
excoriations O1C4VLttixvBZx96DIqrB8cIcEq0L8sI  
Baffin's ocDCxyhP9majTMftTLRm5UhB7YjxeWQz  
darling DCowDBdxKUvQpC0hMAeRrSQLkqytWWu0  
roadwork 0UpogpcfNjGj0FpfDHfu3aWv5WUJ4I2s  
penanced iZ7G2qF76batnxEZK77n37ML55J0cfLZ  
boulevards qugoAHg2HRpr4Yyu1QANmzc4c2vEtvrZ  
murks 1yM8p644mt25IutIZPvALE4bvkul8Ttb  
virtues uZUzwDsxdw8nPMptcvlzNS3GvtEkC3aU  
berths EgoxVlsd8HUmB1Fj6yQb0oTocn7Jeq7F  
guessable G55nsbEYLMVb015rDPNjXFhp2AV0eNuq  
varsity's AsoCZSz79Pkmy03Ieh0d5APbhbEyPJd1  
coutable ueKh42V4AU3M7UuD4PE7VEmPBAPBnFUE
```

```
J+L          bandit7@bandit: ~
[...]
worrier UIntQU50]rmtLmoAH1hwuxg8u5rdep5o
nightsticks    TIKb2wiwrvRP7N46NVaT7I12XHZe7wod
floured LnQee9ecCz9LU5v34XvA97jEBP6lIvdq
trigonometric V1XhTWKIR5CR0apwUuu2uKIVtThhTwSx
unregenerate   xNznxukx17Gj0JPgglqgHr80kR02B01q
rejects WoyV2THJbXpZMgQkPZIyMTN5NYL4zvTt
possessives    6hh10kI1kU5EDS2dyJaPkUu4jfbOU0Dp
flashed 20KkSloe6Zoi8prMU2Np8nh0rBcgI0Nc
vector gh7tHrt2AmQzJ8hwVs9hZ5xsfYkimRT
Rogers jwDcy3BwFrkzHwwcrBnxTSkJYrGEm5t
penis LbVSZeiTnAhmXpR9PBGeTLrZlv7fxXuob
inequity's    1qlldLoloQBuTBEAqeiYNk16Jshjmlped
decompression qPVE0IBRtqtOgIfYgPsYkhq9f3GPItKp
reviving oLYgxIrVnKQTAdes1IsZaeVvqeIxgnbx
recombining 4c224neRyqG1Eldw69TCAMA RhLte63yS
whispering 0A2JjVdzQTPMwGpr8jlQ83XnY4F0DjIH
underdog's   4CPjLsXyZf5HXKEzu34ZoS1pKQbZrhGY
spoiled vvo4HSfkCjSSB6t0iUdpqWch6rd0eIcW
smudgiest FS6ujHHjT4naOKF2eYLcIktefVzqd7r0
nominee c3TnyCQIELAQb5RbVHZXT40eFqCS0ZUw
heartily rQAkOU6DtW6FF5dBt8CqzaTYkiRQ93FJ
crayfish HMrsyX7wy58XQwlbc0sHhZq10IEqGb3b
abolition's F1y5T1UHoJFdM0w5QGqZNeKIW47s3l00
Sheryl plJQMRxycdiR1oD83Y8SV7GnQfiGTvio
fruitcake N5JsTgXE5aRJQgJHzGdYXFBaP5xiLwcd
pistils duh4rsgd3WRm8Kp6zHBdjwGQYT0V1uub
cages 8B5hXdBLG4WWzm3sqzUFJFYU8r0SDtHq
hypnotically 26iP8GpVAONNK4yFEVkB8nMGSVXzsZ7gl
custody's 8pClnnnnyHMxA8J9o7Rz5Xm25U1yeIwq
tanager's cyI7SPd2YQtJxpWesJuAckq9E3drdbJ
princesses tHHCPWKi1GgyNMrsRhI5ySoPitgkijtz
missionary L6zB3NUpMB7VRi6anuVF8UdcFFlCRLML
entered Iol2ZVCDPAChYwkgTEa3mI5bkSFrcwM8
trial's C00XCBpD43iz4wAUdvFAo4oFFztnrE9G
antidotes yRgzbJ90BhmResx7mlE0Wc7IEdnL532g
Fallopian's uTrQSSHzyXwHstfp7h6Zgk6ok4Sh6
gage o8rbG5R6HJ82km6davfQ8BC45IIjy3rW
they'll RnFdBhAX7tWd5hzJpx5cofzHNCzlvCYY
Cezanne ilkeWTQasAFAWmIR2uCs0bU8omPr0dpz
hieroglyphics NLofZDNit2mzjn1madub3veSewzmjvKt
intersticale i7NnThaqKz98Fuuvu4OCsAEElhuyHnc
```

bandit7@bandit: ~

```
rebroadcast      nAyHaEu3mXQUgxKfPUZgWYBkMbARY49Z
sheep's   Hj0zfPGYwA21NionPZUwIH78K3Exz9RC
Melanesia    IJkm2WyPrk6SucjecUvywaBv2AVc2axj
sidelong     VyGpHV0Pr71C7vgR7ypaRQgwX2XLd1mm
March       a3Y1BKvKp6Txq03ln5e9TAJcrIXzyZnr
trinly      AcWPfHKIdUq92NpUKaUzp4xFyikpMB0v
peeling      HoKrHd0DwsqVt3Z52nUclyTSwVD20xEq
dunged      R70B5UBzSeavZreteYm69WERIYk9RBhA
Irishwoman   7hzv107UuP6Xe1UexpZyUbsNwyI9aTly
Faustino     eCqbm5e0jlvvx6R5XtBcUZIMtSnMmCIx
supernova    AALn0QJckI9YIh8v7RzxGoCv3Qcw0d2
espadrille   N5ruJWps9zUkYgh2b02aAGyN1dhFQ3SC
activation   JOFeVMnB0NNbIcrHgbxbLKvsD90E86Kv
food's       MzKrTL4kQ2LgxsNuXn7Tkl608bXRwljt
blips        5H9Lj7IVBQRK2t3abt2Gp19j1sTTb0
Longstreet   GnnWgVSxar8yokVXrPyGRigPsnE0QcgD
plasterer's  bt18jiaBoEFXRoM7VlruMnDpnGuBH13k
freighting   qYk2Aku0MrLAVl7XWocjpHzkpsLelt1q
dishonest    pnPH6wfweDzn9w5A5aUvtUeLp95Msng
cautioned    em2mvU52K11BXePbHC7TSV8IWfrEbabw
appendicitis's e0obxaYyt2eg9SC4Eo8ijIbCpTMa9FEF
reenters     b99zqfazMJLWNYSmakwKloVMOGgefRYK
assemblies   GyewHn4YRAYYusxPJYKUSYPHOcv9Igs
duck         Gd4rKuBrQ2LvoGMbbCE5thFTx4d1PZDS
Hammond's    7P7vQUvfrJpcgh5C2stDhbctk0kE00Wm
Adrienne     qqgEWEKaqhffWP07jfVEYoKhp8VdqQw
Greenpeace's FU7MN7bohsEM3y0VpslhLwjK3HthL6p
convicted    wp5tHFHM5suj0VCD0Lz6D1q0IpqHtnwL
misogynist's zEhMRHnPuxUHP6c0F3QXp4Vvu9js2vEN
guideline's  6NbtsAA1FYKQ2tbEqad1KhW2FMTzkf6N
Cathay's     R6ml4cv57ddmEN1xXpDKRqB051f8o0HE
angers       VbF4f7H7PpMa3XdemLg7HIRxeHrH9jZB
mirage       2yD3coXhVqdhBfr5zsoawT8hgv7dUqWY
decolonization IvSmH3vpZ1wCkavaG27X2lsfxbI0K9LP
icebreaker's rQHsqJYU9736X0S2IRbTsYLBLWJTGq61
turtledoves whYq5sanCjCjggeNd1F5SouuSWLwGCJ1
entrenchments sYELeKBd9FS4iGosap81NyK6wfvgz00W
zircon       RYEApwgMGQYRFF6dwGXITQOG7HqxGOMz
negligible   pRNu5kTpfdFxX3I21ItKgxwYJiHDRwyA
genitives    Ru3M33GEtdjZIWdpCN7pGXjPAJzpMB8A
```

bandit7@bandit: ~

```
rigidly mA9zdxIo3q3MjnVIKqzDexr0jUHS98q
blind 3S6rgIYplWUoicWSyD0eFHL7LXP5i3v4
formulation QCeaWm6uA8WK8xio4MCDuv2VU6sEA5za
sequinned 3cDT0FV3k5WaR1a0VDzj7h97KuDLp7TE
amortize QjZ8RjlkpDh12eyY3zzd90T00cxMGnjv
twitches Foyn1Bi9PPW2tNV94FKKyHWcKhxoFsn1
indeterminately GPLbcVsPFAWkYAwoV0N9NIG72bYAJT5U
uphill Kld0ccFiYyikaVlQlw4C9GNSLSbjGsst
tumbler szJH4k0NWxI9nksLhZfh8udbVZYV3zR0
feted OnGJwNrjt6EJSqXU74JJJCYf1fJwFHQJ
photographer's BT1jVYtfU5GuKY20lwarrBOIqq3Vw6jk
Lyndon's ZAug8EyUFJm0vTssFtPIjquZD0kIdLjZ
position's AJaPOLVLivDzyGKzH8B5vxEx0YEDiMLrl
noncoms 6qyH09kuHFNxJD1kSHKgvvFg3N1n9EVr
rosters nvhT7ZAySxyGJPrttd2WBpFOTyG6spv9j
benzene's eeHf77GNvTh2eBgsbK5j2e2L33mloYF
unicorn jl3TEZFJt40ppZfveZuiAnGFE9FVpACG
neat ol6UG9gLEUAKrQe0Yev9jZzH60TZ2vyA
grouching rPucBffXUzCEcPYoJGIZjtdIss0HSgrb
unhappiness wAAq1343c6UpZU4rhgbDzDQjtnlNaLSZ
cantilevered JOAOwMxcSLJyfNZofW1QEjQL9HXbwYRs
plastics hxYpwg9GAE2XCxa6xFDHPqNWZAGw5KMz
coater 7qnXVYdlaAQCCWV4r05o4RAaeOPZ2R1R
scalars t32pj41JmDrytAtSo02jQg1APEo2YJtw
trespassed RWXSinZEcU2CXVlMpyMtd1Df8QDffliV
isolationist's dUIUD0dfodr2dJ55mWJY5qnxQg3sJ4UT
cottonseed TSKUZxxJFsTr3EpmrLGl9fR2vjpuHXib
gratuitous iMa5mWrmvezEe4e5Ue10jwFS1KQw4sAG
mammalians YRMELuG61pg0vqQmEOEQI8wXRpDONmCe
slamming qRndJRXQMxnLJjfZDog0fufYg3PhI3p0
swarthy YEQBzzVNidUkdwgf2M4sAydIvfirQ0Qw
Gouda 4S07GJttw6sy0vd3WzOkoifj0NENa1Q
nuked bhS9f2GRV2xBn1xA09vv6Q0dS1k9pNrE
padding ZD9CZMUyffGRzkjW23bBFloqctVwm02y
statuary's cZrxpo955091hDBht1XYuPGDXeKXxHii
populists Xnx351b4DqBWvTPCJB92RB4UbEv05T7h
linkage e3jc1AKEY6CiOKeQPPZnrrnr02hig7Gcm
dictated t0qAJ6GoHVnehafwpqNPPaQVIwaalb4K
recklessness Zx5P16HK7RqfrXCIinxrwsLuJA5lR0nwZ
fulminated GvCzNlczInSmA73XDfixuZFxic5cLD5F
```

bandit7@bandit: ~

```
cnier      WVU0RKQAZD/t9US403TBgpQM4YERYL1JF
tfully     d2SCMqMobmmgFnXdY7uFcoOtJKGpXuG1
            FYDJ6RCcN29vySQJfcEwFPp1EwfC8AUF
ters       hPWgGZ31R5tQEEFBah1qmlkTaUmLnC1Q
tousness   Hzpf1sH44lth5hnClNiE91xEij8wMYiR
n         IuzPskKBTJXwR3BlYhNMrpUireevEVwp
vate      4Ctkr0sexV92IWXR98qjTqrGBSJSDsfS
vities    o3yk3JT1j3MpfaoyHeLksIbFzn5cNSPE
ying      zVULAVs407omzqR3ncHMpzPlucrzgy
hings     xEkmeoeMugVqqJiLoQuxotsBEU1PU9Sl
thetic   L0lWRN1R51bJBJsadrzxYpXTnyNpy63
ogist     uvVO4E99Ym127eycLILWAUDGyddqcuH5
morphosis I952Mg1aYeSniLBH3NBcpgoyBXfvYP3L
uncement's dp0DL0QoEmvZ9N00tpiHhTpzcZl52AwA
ging      fgm9Svtb3HZCnv15RUzNdSunulGkcQun
name     HACTwpfklni2jgZp8pj2ha91dirXNubq
            bl69BCSJ0v2baUvp55VTxyXnaluHevOX
y's        943fCYuSTezG7XhlPfoNz74fpP1zVvGE
ne        tHhnv0mJbh0p4DM9f1zqqQEDswG6dz2s
ing      5b07tZoAzoHj1pqbeqoL05IMUaX9De2
erier     VpcN33n15LbsmirhekZKQtnVK3ASYjkq
es        De591tXrEgFz2bxysIu8JwbAqa9I6meI
et's      GFHHqA9i5hatJRs7PeLxqKfgpmNLwSq6
per      vNmVhvHqrL4ln0WSaHh0SEvh8SRa7j0
y        V05h6CrBSF3hXca304tvoZ41VUmaczZR
ler's     wFNPyIF75FpiedJkuDmUqqyepg61Smpx
brained   p36ADalSDggr0vPrImfVG5nN42GsJzQn
ologists Aq7tQ5FsbhT6T10w9nJ4kM6xxMqLHebn
tgen      UrYLVye5m7QwVlaAddwJODehmGKPxEM8
ion      sSRPN053Mhit0JjZYxjPq5SHGZr6SNcW
otic     26y9P5x4YdCpoip4eusl6jzNZaW6zPqd
rs        GXQnR8Xes90HbJzvzk3cTrtQRZ0morrQ
onalization hU4acI0574yXrug8tW81mz52f2kIIsg8
cker     Qb8XDcLcuZJYPRGOTps5Xt0fNQbr7TJY
efullest zMQMPWz4gW5b5KRqu03dF0y4qpThHbQU
ls        05we0oE73t6CBA1ekBJmlK7LsnKdIdgz
a        rsqQifIUgo10R3Ir0xIhlM0odbUxDswZ
ens     hPga0TI0aqMzzEp8dtpa11l30VPkQnP
led     YbseaDf391oRB1GFTlsMP4NYWv4nzUVU
rs        si04eaUXoTIJEoo1s57t2cULRGm3W34Z
d        0540102Ato3MCC3HT1n7CEH3nmY3k1TV
```

bandit7@bandit: ~

```
impeachment      gzeIIVEYZyUxd8cbmGmNLYlFP5h4HsS0
overreaching     mkrAPZN9SANFwb1R1kKyKXpQhKqRoseH
indoctrination   rLPDRZAXwLuxNpxBtZ9uX8rZ3GFXNBLP
astutely         F9BtQqQGsu zk0n0uMmNw3PD0vBbukNt3
workout          GTcnfBDaSyEBW2j3camojrYXoSDDdLWIE
phalanx's        HURoTGaGt9p0MUx9C1jxxm4U2xBPOVY7
latecomers       PfKjV3EoGEVaVyZNLK1IPmRP9n0XLJ99
Bialystok        HP8KilaMSB4UQvVV5Pi uDojRnaCB7N1
schoolboy         lSWFFkawUJCXgqJR91fGWLTheZplL26w3
neuter           x14yMhDIDISW1Z9IE6nGY4dB14hHVtt
primitives        v1a52734C8qUn9mGVyCqmGhydWVwqLR
hostage's        bVPRtr56YssDN5luiqfv5CNW50k3G3Ga
montage          2tUg0v0fa9lRauuB7rqisBnqFpx0pxvYX
preservation     iPTfdRW3awxvrrmpw7GUm0vcm9jYEmRIy
Ellie            dTgnlp5XGq4qr0SDZZ3RU41a0SEJEWR
herringboned    KSRBXWG aA3GbYEqrP64kFssGLJDxQW5a
satisfying       JlpheUuYzFxrTxM8pomlJ7IQ75r93Tph
strangulation    u0kKBQYFtUwvNaaQHwBs4RWmTGu2zs2B
severing          OalyyQ8tSjfy mn31fbW1xuCR8fH8VqKB
bigger           pZTiLYZl3iElSW5iEn16URP9Cv4Ft0XC
circus's         jT65tmrY6hgQsGoorZwvLZjmpLYXRCTM
transvestism's   vU9mZnYcUPgzaC0wVRV8qegl4EV84GPM
sering           6ag04AXGDErYWPtrZdUr5fxVVNuDiflz
bourgeoisie's   owj9DyfR5mLBzGFhAyd9tJX4KYBnSMzz
delegation's    DkFq00UAHmpHXAo yGFdYbNgic1JZ3bT0
hauls            tWGQCtzTCB2KwSwv6vhr3Yd0EWpz5uG
mosquitos       0G3p8zLXNuRUZEpl1zpNL5IApDXdqBsM
cruel            Qp3diK35mdgo3vbhbRFKM6pujaIpVif
swampy           VL7A7WHcPiwXB5XXTJvaAW6PYyPsvtMu
lunchtime's     jc8lzDxtYu0ucFFFzrcGgn80NaeaGJA1
requisition      qRKISXE2RsyemkkxIEheH3LuIqj3wbH1
complainant     2GGolY9rGb10qe8ZviamsKaImQ80ydKh
scattered        Ucq17ZipFmEXUmXFGIYXDjtvS1EWdtI8
dawdle           lA7yQ308V7gm3xyh5yF9Sh0rc4owyVHR
mastery's        XWolopTHm705T7TQ5yz0v85K5DdhQeEV
graphs           sI990KmzmmgMuQwKdym72g6oSrdkCx aA
crumbed          FLLR0bocq0tAFKHynG75hQpc ht2nxvW
newness's        T1WX7NQwT5u4uC4xkpo66arsUm2NfD97
Caesarean        mKq51XFsz9R7qVprU760059oHt78ACPw
bandit7@bandit:~$
```

```
kshriya@kshriya-VirtualBox: ~
```

```
severing      oalyQ8tSjfymn31fbW1xuCR8fH8VqKB  
bigger      pZTlLYZl3iElSW5lEn16URP9Cv4Ft0XC  
circus's     jT65tmrY6hgQsGoorZwvLZjmpLYXRCTM  
transvestism's  vu9mZnYcUPgzAC0wVRV8qegl4EV84GPM  
sering      6ag04AXGDErYPWtrZdUr5FXVNuDiflz  
bourgeoisie's  owj9Dyfr5mLBzGFhAyd9tJX4KYBnSMZ  
delegation's  DkFq0OUAHmpHXAoyGFdYbNgic1JZ3bTO  
hauls       twGQCtzTCB2KwSw6vhrt3y0EWpz5uG  
mosquitos    0G3p8zLXNuRUZEpl1zpNl5IApDXdqBsM  
cruel        Qp3diK35mdgo3VbhbRFKM6pujAaIpVtf  
swampy       VL7A7WHcPiwXB5XXTJvaAW6PYyPsvtMu  
lunchtime's   jG8lzDxtYu0ucFFFzrcGgm80NaeaGJA1  
requisition   qRKISXE2RsyemkkxEheH3LuIQj3wbH1  
complainant   2Goly9rb10qe8ZviamskaImQ80ydkH  
scattered      Ucq17ZipFmEXUmXfGIYXDjtvS1EWdtI8  
dawdle        lA7yQ308V7gm3xyW5yF9Sh0rc4owyVHR  
mastery's     Xh0lopThm705T7TQ5yz0v85K5DdhQeEV  
graphs        sI990KmzmmgMuQwKdym72g6oSrdkCXaA  
crumbed       FLLR0bocq0tAFKhynG75hQpcht2nxxVW  
newness's     T1Wx7NQwT5u4uC4xp066arsUm2NF97  
Caesarean     mKq51XFsz9R7qVprU760059oHt78ACPw  
bandit7@bandit:~$ strings data.txt | grep "millionth"  
millionth    TESKZC0xVtEtK0S9xNwm25STk5iWrBvP  
bandit7@bandit:~$ exit  
logout  
Connection to bandit.labs.overthewire.org closed.  
kshriya@kshriya-VirtualBox:~$ ssh bandit8banti.labs.overthewire.org -p2220  
ssh: Could not resolve hostname bandit8banti.labs.overthewire.org: No address associated with hostname  
kshriya@kshriya-VirtualBox:~$ ssh bandit8@bandit.labs.overthewire.org -p2220
```



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

bandit8@bandit.labs.overthewire.org's password:

bandit8@bandit: ~



This machine has a 64bit processor and many security-features enabled by default, although ASLR has been switched off. The following compiler flags might be interesting:

```
-m32          compile for 32bit
-fno-stack-protector  disable ProPolice
-Wl,-z,norelo  disable relro
```

In addition, the execstack tool can be used to flag the stack as executable on ELF binaries.

Finally, network-access is limited for most levels by a local firewall.

--[Tools]--

For your convenience we have installed a few useful tools which you can find in the following locations:

- * gef (<https://github.com/hugsy/gef>) in /opt/gef/
- * pwndbg (<https://github.com/pwndbg/pwndbg>) in /opt/pwndbg/
- * peda (<https://github.com/longld/peda.git>) in /opt/peda/
- * gdbinit (<https://github.com/gdbinit/Gdbinit>) in /opt/gdbinit/
- * pwntools (<https://github.com/Gallopsled/pwntools>)
- * radare2 (<http://www.radare.org/>)

Both python2 and python3 are installed.

--[More information]--

For more information regarding individual wargames, visit
<http://www.overthewire.org/wargames/>

For support, questions or comments, contact us on discord or IRC.

Enjoy your stay!

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

bandit8@bandit: ~

Enjoy your stay!

```
bandit8@bandit:~$  
bandit8@bandit:~$ cat data.txt  
QWiibJhqUoMjolCD9XNrkTM1M94eIPMV  
UkKkKIJoUVJG6Zd1TDfEkBdPJptq2Sn7  
ITQY9WLlsn3q168qH29wYMLQjgPH9lNP  
JddNHIO2SAqKPHrrCcl7yTzArusoNwrt  
0dEKX1sDwYtc4vyjrKpGu30ecWBsDDa9  
yvtL2C3x6iw7X0luSnoS1avXFUCsRSfg  
QbKQeOYoUQULmEFoVagIzwC3EF2Gmu1S  
lpRbCU2vMhGMRbAv65hLyKEauDjtzeh  
JddNHIO2SAqKPHrrCcl7yTzArusoNwrt  
EN632PlfyiZbn3PhVK3XOGSlNInNE00t  
TiXMHNCJEv0QyLXoZhDMdFpmXFr7orEU  
08Jd2vmb6FjR4zXPteGHhpJm8A000A5B  
eRgm0TR1FqHwaSneu0XDIC7r2MZVeLMU  
H06jDLvch1Uq9N3QIOjHGmt1G34Gu5WM  
eRgm0TR1FqHwaSneu0XDIC7r2MZVeLMU  
3cTCUFe6MTl1FDAL0Z49cRByfq1MrlxJ  
08Jd2vmb6FjR4zXPteGHhpJm8A000A5B  
XK6pbTxxVhc0CSi7Y5rXtVkpWL4KdTtp  
KzsSoDTds9Q8qA3uRuxg7og60JZ93tdA  
XHvIqr0Il0Nu0jXs0iHtDDuUk66tYJBY  
I2Fe3M2fsqREVi1t7gsf78Ueli95f1vA  
w0bmKQw05XwlrIfvzToTNd7GZhkPeIfN  
FUx7SEMtclai0dBobiV7AbALW69gIBXZ  
9rdQWtaWPacwsiYUmcR7DzsTjlDzCIDk  
yvtL2C3x6iw7X0luSnoS1avXFUCsRSfg  
1jZv2X102JypCBIGDRNrwWQzS1CyhvByt  
EoxGdakqWSJE03uzpJBLKabYEb5J458U  
wiwZ8UvDRBE36vjUdEcK3g7KiOsQ2E2c  
eRgm0TR1FqHwaSneu0XDIC7r2MZVeLMU  
4a0tDpqjXGIMOcyqirndlal7J8S3jZZAy  
Uy1DzbL8ho4nY8PHzSPbtkoJG9BKp0  
eRgm0TR1FqHwaSneu0XDIC7r2MZVeLMU  
WYU7r3ZVSfNk3WEvu5T7HDAAHiryHzNR  
gByqAo56n9wcRfMCkURoEB6JDzo0koeB  
1MUdFR7bGGCpnfGEOxaIEDrA8hT2L8Tk
```

```
TiXMHNCJEvOQyLxoZhDMdFpmXfR7orEU  
NaOfWAtaagxr32dnqud7mkYeCsSH5BDB  
qeQlhBkJiQ9Yg7JSGavnLvpGXTTCS0yw  
TiXMHNCJEvOQyLxoZhDMdFpmXfR7orEU  
KzsSoDTds9Q8qA3uRuxg7og60JZ93tdA  
bbFQ44ZGHTUPEBVfADGWpwXzdhco23  
vUazil5hHRQ63T0cQlfK5CV8M0rpDSBX  
MDmXBu8iPJl03znBQctcHj8oCzbullXDS  
pI3SEH0Rq3gd0sNE18038Sh55SatY1nrR  
AWuhqidoTFNEaYmsX7njF8elfk6UTt8V  
ixUopdQaDHWTH5oW0lqe17FmRIWemARS  
3cTCUfe6MT1FDAL0249cRByfq1MRLxJ  
FJHGxIQ8lboC0UFsaF91voZjntUpyHPW  
1jZv2X102JypCBIGDNRwWQzS1CyhvByt  
11FFCDRW5ZXmX7geZORYRwiJfj8B3Gh  
1jZv2X102JypCBIGDNRwWQzS1CyhvByt  
NaOfWAtaagxr32dnqud7mkYeCsSH5BDB  
uaKvbirBhTjhPzNhGKGgpuBygADEE0fo  
lqxcTXcF9EuMgNF9J2TeEwKvz9ZoSGeZ  
LhdCVT0iGyBfIK20to1WrWMhJRmpW66  
UkKkkIJoUVJG6Zd1TDfEk8dPjptq2sn7  
YHtWBW07CPN1EV2qcSnAtSl8Xi9kLtQI  
yhJxWzo1jFPzfs1RP6cGonphKTjFVBXg  
FJHGxIQ8lboC0UFsaF91voZjntUpyHPW  
JddNHI02SAqKPHrrCcL7yTzArusoNwrt  
KzsSoDTds9Q8qA3uRuxg7og60JZ93tdA  
08Jd2vmb6FjR4zXPteGHhpJm8A0000A5B  
o7U2dEUFSmddG7CGLgxohAMKTBbTQ8  
dMNfFW0t7tDLsN6jM4t15q7sGdXIJLDO  
uuax66Z7cDLABlBkrIMsqPUTyQDXsDqL  
LwbyPVHJfwrcic0nuZZVWGNkiPq3mSo  
a6SMGsFpTKq8UGdndarh86o0ohHccjb0  
txpo05Sv4NR55wTu62j7uGLRKNxridyM  
cmtlazWcnfns07dz52EdwhfVxD5hm80x  
0zP9wfUcMKjZM2hiQUYR1nTfmaRdySQE  
8mUGsbsFDyMVhqsbCIu5VQdKyNS6B4yK  
pI3SEH0Rq3gd0sNE18038Sh55SatY1nrR  
1MuDFR7bGGCpNfGE0XaIEDrA8hT2L8Tk  
S9dq4wwCTyH9TyUrDf08b0VyweF9rVsh  
bandit8@bandit:~$
```

bandit8@bandit: ~

```
bandit8@bandit: ~
UNIQ(1)                               User Commands                         UNIQ(1)

NAME
    uniq - report or omit repeated lines

SYNOPSIS
    uniq [OPTION]... [INPUT [OUTPUT]]

DESCRIPTION
    Filter adjacent matching lines from INPUT (or standard input), writing to OUTPUT (or standard output).
    With no options, matching lines are merged to the first occurrence.
    Mandatory arguments to long options are mandatory for short options too.

-c, --count
    prefix lines by the number of occurrences

-d, --repeated
    only print duplicate lines, one for each group

-D
    print all duplicate lines

--all-repeated[=METHOD]
    like -D, but allow separating groups with an empty line; METHOD={none(default),prepend,separate}

-f, --skip-fields=N
    avoid comparing the first N fields

--group[=METHOD]
    show all items, separating groups with an empty line; METHOD={separate(default),prepend,append,both}

-i, --ignore-case
    ignore differences in case when comparing

-s, --skip-chars=N
    avoid comparing the first N characters

-u, --unique
Manual page uniq(1) line 1 (press h for help or q to quit)
```

```
bandit8@bandit: ~
```

```
yvtL2C3x6iw7X0luSnoS1avXFUCsRSfg
bandit8@bandit:~$ man uniq
bandit8@bandit:~$ sort data.txt | uniq -c
uniq: c: command not found
bandit8@bandit:~$ sort data.txt | uniq -c
10 08Jd2vmb6FjR4zXPteGHhpJm8A000A5B
10 0dEKX1sDwYtc4vyjrKpGu30ecWBsDDa9
10 0YDTDPCLc585IaFu911ukE9qfD6YkrIz
10 0zP9wfUcMKjZM2hiQUYR1nTfmaRdySQE
10 11FFcDRW5ZXXmX7geZORYRwiJfj8B3Gh
10 1jZv2X1023ypCBIGdNRwWQzs1CyhvByt
10 1MuDFR7bGGCpNfGEOXaIEdrA8hT2L8Tk
10 2fepTygKSkWHQJS2GrmGwjyl36eXSWJe
10 3cTCUFe6MTl1FDAL0Z49cRByfq1MRlxJ
10 3PB0nB0h1WKb1K6MImHdvwQjItFcxfdf
10 3QXFssSepZUI0znxnndwnQNnxvbpCXG05c
10 47efxPAuZ4tlWbT4P5ADs1tC0twlr51V
10 4a0tDpqjXGIM0cyqirndl7J8S3jZZAy
10 4Fi1Ig3hG4mDdl64v3gRPre3qNx26k0U
10 4u67BT7FonRZeibEb9i0l6pHcMtzb03H
10 6R258gRryXf9cBoG0erTEgGjb8ykWYrV
10 7J5LX5IxjJ75DSStY7k9QTXgY8Hcygxu
10 7rUrQcuUE8W3u7shW6GqIw5KIm1vnVT0
10 8fa6npI57h2Bc2yVSHJTKywKGf1f25nm
10 8mUGsbsFDyMVhqsbcIu5VQdKyNS6B4yK
10 9b0fkcvfvVG8ClmKfqmzFFSxszfYoGje3
10 9rd0WtaWPacwsiyUmcR7DzsTjlDzCIDk
10 9uchpqBSAkMt0SNBVj1HAzRR5SqePFZe
10 a6SMGsFpTKq8UGdnadarh86o0ohHccjb0
10 AWuhqidoTFNEaYmsX7njF8elfk6UTt8V
10 Bap5iwr9yiz7NNLdn2pRIBduzjS4apt6
10 bbFQ44ZGHTUPiPEBvfADGWpwXzdhc023
10 cBuyMeLeTl5bFQMjlzWIGHpbVwqQZkWQ
10 cmtlazWcnfmS07dz52EdwhfVXD5hm80x
```

```
bandit8@bandit: ~
10 LwbyPVHJfWrCcic0nuZZVWGnkiPq3mSo
10 lzyN2IjxShNscaNmM8m5yQvviw5qluaU
10 M14I2C6xu2t0mXvYWHIMuFaxktQ0tIFs
10 MDmXBu8iPJl03znBQctcHj8oCZbulXDS
10 N2I3twf58Vw76j8n7sixyDqxKybAeUcQ
10 Na0fWAtaagxr32dnqud7mkYeCsSH5BDB
10 o7U2dEUFSComdg7CglgZxohaMKTBbTQ8
10 OCIRfgKSxjLD5YCbwGJB8g20c0Cvgxd
10 pI3SEH0Rq3gd0sNE18038Sh5SAtY1nrR
10 QbKQeOYoUQLmEF0vagIzwC3EF2Gmu1S
10 qeqLhBkJIQ9Yg7JSGavnLVpGXTCsOyw
10 QPghVHMLn5b5ckZQ4GrJkL69sCQCn7
10 QWiiBJhQuMj0lCD9XNrkTM1M94eIPMV
10 s00Iqlwp2FLBVu5yZFazJrpjypOL5sru
10 S9dq4wwCTyH9TyUrDf08b0Vwef9rVsh
10 s9wGQkxKUMFEW0ulhF1QuCfkK1x06RLZ
10 TeLCC3zSYgKgI2wlYE2t05vzaeEKKzX0
10 TiXMHNCJEvoQyLxoZhDMdfpmXfr7orEU
10 tpAGLljTdBsRqjZI9vIc3CpbADAB9MTN
10 tWedWHXUyRvVn4vH0I3zJcD3rdI48Whc
10 txpo05Sv4NR55wTu62j7uGLRNxridyM
10 uaKvbirBhTjHpZNhGKGgpuBygADEEOf0
10 UkKkkIJouUVJG6Zd1TDFekBdPjptq2Sn7
10 UsCWtdouvpXeu6zkAx1dzviUyNnbEgCk
10 uuax66Z7cDLAb1BkrIMsqPUTyQDXsDqL
10 Uy1DDzbL8hoD4nY8PHzSPbtkoJG9BKp0
10 vmg8trbLZvXazswE0yEND17vH978enVX
10 VohHVQ6DG3wyFzoEYbfUMboYycjFeuDf
10 vuazil5hHRQ63T0cQlfK5CV8M0rpDSBX
10 W576pWH7nfuesidcso70vqqviVVss1ms
10 wiwZ8UvDRBE36vjUdEcK3g7Ki0sQ2E2c
10 wObmKQw05XwirIfvzToTNd7GZhkPeIfN
10 WYU7r3ZVSfnk3WEvu5T7HDAAHIryHzNR
10 XBrYZfQUbd5NJdAbsOG92hsfAEhE8Y0
10 XHvIqr0IlONu0jxs0iHtdDuUk66tYjBY
10 XK6pbTxxVhc0CSi7Y5rXtVkpWL4KdTtp
10 yhJxwzo1jFPzfs1RP6cGonphKTjFVBXg
10 YHtWBW07CPN1EV2qcSnAtsil8Xi9kLtQI
10 yvtL2C3x6iw7X0luShoS1avXFUCsRSfg
bandit8@bandit:~$
```


bandit9@bandit: ~

| |_) | (,_| | | | | | (,_| | | | | |

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

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

Permission denied, please try again.

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

www. ver he "ire.org

Welcome to OverTheWire!

If you find any problems, please report them to the #wargames channel on discord or IRC.

--[Playing the games]--

This machine might hold several wargames.
If you are playing "somegame", then:

- * **USERNAMES** are `somegame0`, `somegame1`, ...
- * **Most LEVELS** are stored in `/somegame/`.
- * **PASSWORDS** for each level are stored in `/etc/somegame_pass/`.

bandit9@bandit: ~



--[Tips]--

This machine has a 64bit processor and many security-features enabled by default, although ASLR has been switched off. The following compiler flags might be interesting:

```
-m32           compile for 32bit
-fno-stack-protector  disable ProPolice
-Wl,-z,norelo  disable relro
```

In addition, the execstack tool can be used to flag the stack as executable on ELF binaries.

Finally, network-access is limited for most levels by a local firewall.

--[Tools]--

For your convenience we have installed a few useful tools which you can find in the following locations:

- * gef (<https://github.com/hugsy/gef>) in /opt/gef/
- * pwndbg (<https://github.com/pwndbg/pwndbg>) in /opt/pwndbg/
- * peda (<https://github.com/longld/peda.git>) in /opt/peda/
- * gdbinit (<https://github.com/gdbinit/Gdbinit>) in /opt/gdbinit/
- * pwntools (<https://github.com/Gallopsled/pwntools>)
- * radare2 (<http://www.radare.org/>)

Both python2 and python3 are installed.

--[More information]--

For more information regarding individual wargames, visit
<http://www.overthewire.org/wargames/>

For support, questions or comments, contact us on discord or IRC.

Enjoy your stay!

bandit9@bandit:~\$

bandit9@bandit: ~

--[Tools]--

For your convenience we have installed a few useful tools which you can find in the following locations:

```
* gef (https://github.com/hugsy/gef) in /opt/gef/
* pwndbg (https://github.com/pwndbg/pwndbg) in /opt/pwndbg/
* peda (https://github.com/longld/peda.git) in /opt/peda/
* gdbinit (https://github.com/gdbinit/Gdbinit) in /opt/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)
```

Both python2 and python3 are installed.

--[More information]--

For more information regarding individual wargames, visit
<http://www.overthewire.org/wargames/>

For support, questions or comments, contact us on discord or IRC.

Enjoy your stay!

```
bandit9@bandit:~$ strings data.txt | grep "="
4===== the#
SP=GnFE
===== password
'DN9=5
===== is
$Z=_  
=TU%
=^,T,?
W=y
q=W
X=K,
===== G7w8LIi6J3kTb8A7j9LgrywtEULyyp6s
&S=(
nd?=
bandit9@bandit:~$
```



```
bandit10@bandit: ~
kshriya@kshriya-VirtualBox: ~
bandit10@bandit: ~

discord or IRC.

--[ Playing the games ]--

This machine might hold several wargames.
If you are playing "somegame", then:

* USERNAMES are somegame0, somegame1, ...
* Most LEVELS are stored in /somegame/.
* PASSWORDS for each level are stored in /etc/somegame_pass/.

Write-access to homedirectories is disabled. It is advised to create a
working directory with a hard-to-guess name in /tmp/. You can use the
command "mktemp -d" in order to generate a random and hard to guess
directory in /tmp/. Read-access to both /tmp/ is disabled and to /proc
restricted so that users cannot snoop on eachother. Files and directories
with easily guessable or short names will be periodically deleted! The /tmp
directory is regularly wiped.
Please play nice:

* don't leave orphan processes running
* don't leave exploit-files laying around
* don't annoy other players
* don't post passwords or spoilers
* again, DONT POST SPOILERS!
    This includes writeups of your solution on your blog or website!

--[ Tips ]--

This machine has a 64bit processor and many security-features enabled
by default, although ASLR has been switched off. The following
compiler flags might be interesting:

-m32          compile for 32bit
-fno-stack-protector  disable ProPolice
-Wl,-z,norelo  disable relro

In addition, the execstack tool can be used to flag the stack as
```

```
bandit10@bandit: ~
kshriya@kshriya-VirtualBox: ~
User Commands
bandit10@bandit: ~
BASE64(1)                                BASE64(1)

NAME
base64 - base64 encode/decode data and print to standard output

SYNOPSIS
base64 [OPTION]... [FILE]

DESCRIPTION
Base64 encode or decode FILE, or standard input, to standard output.

With no FILE, or when FILE is -, read standard input.

Mandatory arguments to long options are mandatory for short options too.

-d, --decode
    decode data

-i, --ignore-garbage
    when decoding, ignore non-alphabet characters

-w, --wrap=COLS
    wrap encoded lines after COLS character (default 76). Use 0 to disable line wrapping

--help display this help and exit

--version
    output version information and exit

The data are encoded as described for the base64 alphabet in RFC 4648. When decoding, the input may contain newlines in addition to the bytes of the formal base64 alphabet. Use --ignore-garbage to attempt to recover from any other non-alphabet bytes in the encoded stream.

AUTHOR
Written by Simon Josefsson.

Manual page base64(1) line 1 (press h for help or q to quit)
```

```
bandit10@bandit: ~
kshriya@kshriya-VirtualBox: ~
bandit10@bandit: ~

--[ Tools ]--

For your convenience we have installed a few useful tools which you can find
in the following locations:

* gef (https://github.com/hugsy/gef) in /opt/gef/
* pwndbg (https://github.com/pwndbg/pwndbg) in /opt/pwndbg/
* peda (https://github.com/longld/peda.git) in /opt/peda/
* gdbinit (https://github.com/gdbinit/Gdbinit) in /opt/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)

Both python2 and python3 are installed.

--[ More information ]--

For more information regarding individual wargames, visit
http://www.overthewire.org/wargames/

For support, questions or comments, contact us on discord or IRC.

Enjoy your stay!

bandit10@bandit:~$ cat data.txt
VGhlIHBhc3N3b3JkIGlzIDZ6UGV6aUxkJSS05kTllGTmI2blZDS3pwaGxYSEJNCg==
bandit10@bandit:~$ base
Command 'base' not found, did you mean:
 command 'bake' from snap bake (0.1.3)
 command 'bash' from deb bash (5.1-6ubuntu1)
 command 'ase' from deb ase (3.22.1-1ubuntu1)
 command 'basex' from deb basex (9.0.1+ds-1.1)
 command 'gbase' from deb gbase (0.5-2.2build1)
 command 'basez' from deb basez (1.6.2-1)
See 'snap info <snapname>' for additional versions.
bandit10@bandit:~$ man base64
bandit10@bandit:~$
```

```
kshriya@kshriya-VirtualBox: ~
kshriya@kshriya-VirtualBox: ~
kshriya@kshriya-VirtualBox: ~

* peda (https://github.com/longld/peda.git) in /opt/peda/
* gdbinit (https://github.com/Gdbinit/Gdbinit) in /opt/gdbinit/
* pwntools (https://github.com/Gallopsled/pwntools)
* radare2 (http://www.radare.org/)

Both python2 and python3 are installed.

--[ More information ]--

For more information regarding individual wargames, visit
http://www.overthewire.org/wargames/

For support, questions or comments, contact us on discord or IRC.

Enjoy your stay!

bandit10@bandit:~$ cat data.txt
VGhLIHBhc3N3b3JkIGLzIDZ6UGV6aUxkJSS05kTllGTmI2blZDS3pwaGxYSEJNCg==
bandit10@bandit:~$ base
Command 'base' not found, did you mean:
 command 'bake' from snap bake (0.1.3)
 command 'bash' from deb bash (5.1-6ubuntu1)
 command 'ase' from deb ase (3.22.1-1ubuntu1)
 command 'baseX' from deb baseX (9.0.1+ds-1.1)
 command 'gbase' from deb gbase (0.5-2.2build1)
 command 'baseZ' from deb baseZ (1.6.2-1)
See 'snap info <snapname>' for additional versions.
bandit10@bandit:~$ man base64
bandit10@bandit:~$ base64 -d data.txt
base64: invalid option -- 'a'
Try 'base64 --help' for more information.
bandit10@bandit:~$ base64 -d data.txt
The password is 6zPeziLdR2RKNdNYFNb6nVCKzphlXHBM
bandit10@bandit:~$ exit
logout
Connection to bandit.labs.overthewire.org closed.
kshriya@kshriya-VirtualBox:~$
```