



## Bandit Level 29 → Level 30

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

Website URLs	
Level 29→30	<a href="#">OverTheWire: Level Goal: Bandit Level 29 → Level 30</a>
Level 30→31	<a href="#">OverTheWire: Level Goal: Bandit Level 30 → Level 31</a>

Passwords		
Level	User Name	Password
Level 29→30	bandit29	tQKvmcwNYcFS6vmPHIUSI3ShmsrQZK8S
Level 30→31	bandit30	xbhV3HpNGITIdnjUrdAIPzc2L6y9EOoS

WargamesInformation <sup>updated</sup>We're hackers, and we are good-looking. We are the 1%.

[SSH Information](#)  
Host: bandit.labs.overthewire.org  
Port: 2220

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## Bandit Level 29 → Level 30

### Level Goal

There is a git repository at `ssh://bandit29-git@localhost/home/bandit29-git/repo` via the port 2220. The password for the user `bandit29-git` is the same as for the user `bandit29`.

Clone the repository and find the password for the next level.

### Commands you may need to solve this level

```
git
```

```
bandit29@bandit:~$ id && whoami
bandit29@bandit:~$ id && whoami
uid=11029(bandit29) gid=11029(bandit29) groups=11029(bandit29)
bandit29
bandit29@bandit:~$ pwd
/home/bandit29
bandit29@bandit:~$ ls -la
total 20
drwxr-xr-x 2 root root 4096 Apr 23 18:04 .
drwxr-xr-x 70 root root 4096 Apr 23 18:05 ..
-rw-r--r-- 1 root root 228 Jan 6 2022 .bash_logout
-rw-r--r-- 1 root root 3771 Jan 6 2022 .bashrc
-rw-r--r-- 1 root root 807 Jan 6 2022 .profile
```

```
bandit29@bandit:/tmp/HG_29$ cd /tmp && mkdir -v HG_29_30 && cd HG_29_30 && pwd
mkdir: created directory 'HG_29_30'
/tmp/HG_29_30
bandit29@bandit:/tmp/HG_29_30$ git clone ssh://bandit29-git@localhost:2228/home/bandit29-git/repo
Cloning into 'repo'...
The authenticity of host '[localhost]:2228 ([127.0.0.1]:2228)' can't be established.
ED25519 key fingerprint is SHA256:C21H0U71hnV1u0XRb4RrECLFXCSCXlhaAAH/uerLV.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Could not create directory '/home/bandit29/.ssh' (Permission denied).
Failed to add the host to the list of known hosts (/home/bandit29/.ssh/known_hosts).

  [L]  [L]  [L]  [L]  [L]  [L]  [L]  [L]  [L]  [L]
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This is an OverTheWire game server.
More information on http://www.overthewire.org/wargames

bandit29-git@localhost's password:
remote: Enumerating objects: 16, done.
remote: Counting objects: 100% (16/16), done.
remote: Compressing objects: 100% (11/11), done.
remote: Total 16 (delta 2), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (16/16), done.
Resolving deltas: 100% (2/2), done.
bandit29@bandit:/tmp/HG_29_30$
```

```
bandit29@bandit:/tmp/HG_29_30$ ls -la
total 10568
drwxrwxr-x 4 bandit29 bandit29 4096 Sep 20 03:13 .
drwxrwx-wt 1748 root root 10801152 Sep 20 03:22 backup
drwxrwxr-x 3 bandit29 bandit29 4096 Sep 20 03:14 backup
drwxrwxr-x 3 bandit29 bandit29 4096 Sep 20 03:10 repo
bandit29@bandit:/tmp/HG_29_30$ cd repo
bandit29@bandit:/tmp/HG_29_30/repo$ pwd
/tmp/HG_29_30/repo
bandit29@bandit:/tmp/HG_29_30/repo$ ls -la
total 16
drwxrwxr-x 3 bandit29 bandit29 4096 Sep 20 03:10 .
drwxrwxr-x 4 bandit29 bandit29 4096 Sep 20 03:13 ..
drwxrwxr-x 8 bandit29 bandit29 4096 Sep 20 03:10 .git
-rw-rw-r-- 1 bandit29 bandit29 131 Sep 20 03:10 README.md
bandit29@bandit:/tmp/HG_29_30/repo$ cat README.md
# Bandit Notes
Some notes for bandit30 of bandit.

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

```
bandit29@bandit:/tmp/HG_2 $  
bandit29@bandit:/tmp/HG_29_30/repo$ #The README.md file states, "no passwords in production!". Execute the command, "git branch -a", to view all branches. Select the first non-production branch, remotes/or  
igin/dev, through execution of the command, "git checkout remotes/origin/dev". Next execute the command, "git branch", to confirm the branch remotes/origin/dev is selected [denoted by an asterick [*]]  
bandit29@bandit:/tmp/HG_29_30/repo$  
bandit29@bandit:/tmp/HG_29_30/repo$ git branch -a  
* master  
  remotes/origin/HEAD -> origin/master  
  remotes/origin/dev  
  remotes/origin/master  
  remotes/origin/eploits-dev  
bandit29@bandit:/tmp/HG_29_30/repo$  
bandit29@bandit:/tmp/HG_29_30/repo$  
bandit29@bandit:/tmp/HG_29_30/repo$ git checkout remotes/origin/dev  
Note: switching to 'remotes/origin/dev'.  
  
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 switching back to a branch.  
  
If you want to create a new branch to retain commits you create, you may  
do so (now or later) by using -c with the switch command. Example:  
  
  git switch -c <new-branch-name>  
  
Or undo this operation with:  
  
  git switch -  
  
Turn off this advice by setting config variable advice.detachedHead to false  
  
HEAD is now at 13e7356 add data needed for development  
bandit29@bandit:/tmp/HG_29_30/repo$  
bandit29@bandit:/tmp/HG_29_30/repo$  
bandit29@bandit:/tmp/HG_29_30/repo$ git branch  
* (HEAD detached at origin/dev)  
#master
```

```
bandit29@bandit:/tmp/HG_2 $  
bandit29@bandit:/tmp/HG_29_30/repo$ #When migrating to another branch, in this case remotes/origin/dev, git loads the working directory/files for that branch. As such, we will execute the ls -la command to vi  
ew the contents of the working directory/files and utilize the cat command to view any applicable files [i.e. README.md]  
bandit29@bandit:/tmp/HG_29_30/repo$  
bandit29@bandit:/tmp/HG_29_30/repo$ ls -la  
total 20  
drwxrwxr-x 4 bandit29 bandit29 4096 Sep 20 03:38 .  
drwxrwxr-x 4 bandit29 bandit29 4096 Sep 20 03:13 ..  
drwxrwxr-x 2 bandit29 bandit29 4096 Sep 20 03:38 code  
drwxrwxr-x 8 bandit29 bandit29 4096 Sep 20 03:38 .git  
-rw-rw-r-- 1 bandit29 bandit29 134 Sep 20 03:38 README.md  
bandit29@bandit:/tmp/HG_29_30/repo$  
bandit29@bandit:/tmp/HG_29_30/repo$  
bandit29@bandit:/tmp/HG_29_30/repo$ cat README.md  
# Bandit Notes  
Some notes for bandit30 of bandit.  
  
## credentials  
- username: bandit30  
- password: xbhV3HpNGlTIdnjUrdAlPzc2L6y9EOoS
```

```
bandit29@bandit:/tmp/HG_2 $  
bandit29@bandit:/tmp/HG_29_30/repo$ #The password format/structure for Bandit Level 29-----Level 30 is identical to that of Bandit Level 28 -----> 29. As such we will use the same commands to extract/isolate  
the password. This consists of utilizing cat to view the README.md file and piping this output to grep for lines containing the word "password". Next, this output is piped to the cut command to extract the  
password which begins at byte 13 and concludes at byte 45 via the command cut -b 13-45.  
bandit29@bandit:/tmp/HG_29_30/repo$  
bandit29@bandit:/tmp/HG_29_30/repo$  
bandit29@bandit:/tmp/HG_29_30/repo$ cat README.md | grep password | cut -b 13-45  
xbhV3HpNGlTIdnjUrdAlPzc2L6y9EOoS
```

\*\*\*\*\*

## Level 30 —> Level 31 Password

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xbhV3HpNGlTIdnjUrdAlPzc2L6y9EOoS