

# NeverLAN CTF

## Chicken Little - 1

Value : 35 pts

Difficulty : Unknown

Description : Start here

ssh neverlan@44.233.149.141 -p 3333 password : neverlan  
Flags might not be in the normal flag{} format  
Save the flag, as you will need it to start the next challenge

Attachment : None

## Solution :

After login in the ssh as neverlan with neverlan as password, we get the instructions who is to read the contents of Welcome.txt. Just listing the file with «ls» and we discover the file Welcome.txt, read the content with cat.

```
Level: neverlan

Instructions
-----
For this challenge you need to get the contents of Welcome.txt
neverlan@chicken-little:~$ ls
Welcome.txt
neverlan@chicken-little:~$ cat Welcome.txt
-----
Welcome
-----
< EAT MORE CHIKIN >
-----
  ^ ^
  (oo)\
  (-)\  )\
  ||---w ||
level1 password:eat-chicken-not-cows
```

**Level1 password : eat-chicken-not-cows**

## Chicken Little - 2

Value : 36 pts

Difficulty : Unknown

Description : Start here

**level1@44.233.149.141 -p 3333**

The password is the flag from the previous challenge.

Flags might not be in the normal flag{ } format

Save the flag, as you will need it to start the next challenge

Attachment : None

### Solution :

Authenticate as «level1» user with su, and the flag password «eat-chicken-not-cows».

```
neverlan@chicken-little:~$ su level1
Password:
```

And we get the instructions.

```
Level: level1

Instructions
=====
Chickens like to hide. Find one?
```

Using «ls -la» to list hidden files and directory reveal there is a .chicken.txt file. Read it with cat.

```
level1@chicken-little:~$ ls -la
total 32
drwxr-xr-x 1 level1 level1 4096 Aug  9 2019 .
drwxrwxr-x 1 root   root   4096 Feb 11 04:12 ..
-rw----- 1 level1 level1  220 Aug 31 2015 .bash_logout
-rw----- 1 level1 level1 3771 Aug 31 2015 .bashrc
-rw----- 1 level1 level1  471 Aug  9 2019 .chicken.txt
-rw----- 1 level1 level1  289 Aug  9 2019 .instructions
-rw----- 1 level1 level1  655 Jul 12 2019 .profile
level1@chicken-little:~$ cat .chicken.txt
      BAWK BAWK
{, -' }
( a )
<=, ) (
( )
- - - - -
// _||
// --' /
- - - - -
level2:chrispy-or-breadedlevel1@chicken-little:~$
```

**Level2 password : chrispy-or-breaded**

## Chicken Little - 3

Value : 37 pts

Difficulty : Unknown

Description : Start here

**level2@44.233.149.141 -p 3333**

The password is the flag from the previous challenge.

Flags might not be in the normal flag{ } format

Save the flag, as you will need it to start the next challenge

Attachment : None

### Solution :

Authenticate as «level2» user with su, and the flag password «crispy-or-breaded». Then we get the instructions.

```
Level: level2

Instructions

Ok. So you found the hidden hidden chicken. Now you need to follow the BAWKs
and find what you're looking for.
level2@chicken-little:~$
```

Trying to read the file BAWKBAWK.txt return us many «BAWK» inside the file. Hard to found the flag like that. Using cat combined with a «grep» command looking for the keyword «level» extract the flag from the file.

```
level2@chicken-little:~$ ls
BAWKBAWK.txt
level2@chicken-little:~$ cat BAWKBAWK.txt | grep "level"
BAWK level3:which-came-first-the-chicken-or-the-bawk
level2@chicken-little:~$
```

**Level3 password : which-came-first-the-chicken-or-the-bawk**

## Chicken Little - 4

Value : 38 pts

Difficulty : Unknown

Description : Start here

`level3@44.233.149.141 -p 3333`

The password is the flag from the previous challenge.

Flags might not be in the normal `flag{ }` format

Save the flag, as you will need it to start the next challenge

Attachment : None

### Solution :

Authenticate as «level3» user with su, and the flag password «which-came-first-the-chicken-or-the-bawk». Then we get the instructions.

```
Level: level3

Instructions

=====
GREP OR SOMETHING ELSE. NICE. Now can you do the same thing with a binary file?
Are there BAWKs here?
level3@chicken-little:~$ ls
binary
```

As it's a binary, i don't used the «cat» command but «strings» combined to grep for get the flag.

```
level3@chicken-little:~$ strings binary | grep "level"
level4:wut-those-werent-chickens*GP.
```

**Level4 password : wut-those-werent-chickens**

## Chicken Little - 5

Value : 39 pts

Difficulty : Unknown

Description : Start here

`level4@44.233.149.141 -p 3333`

The password is the flag from the previous challenge.

Flags might not be in the normal flag{} format

Save the flag, as you will need it to start the next challenge

Attachment : None

### Solution :

Authenticate as «level4» user with su, and the flag password «wut-those-werent-chickens». Then we get the instructions.

```
Level: level4

Instructions

Nice job on that last level. LET's see if you can find the story about
chicken little.
```

Using «file» command for see wich file is our challenge reveal that there is a text file embed inside it.

```
level4@chicken-little:~$ file the_sky_is_falling
the_sky_is_falling: gzip compressed data, was "the_sky_is_falling.txt", last modified:
  Fri Aug  9 18:48:16 2019, from Unix
```

I used «binwalk» for extract the text file.

```
level4@chicken-little:~$ binwalk -e the_sky_is_falling

DECIMAL      HEXADECIMAL  DESCRIPTION
-----
0            0x0         gzip compressed data, has original file name: "the_sky_i
s_falling.txt", from Unix, last modified: 2019-08-09 18:48:16

level4@chicken-little:~$ ls
the_sky_is_falling  _the_sky_is_falling.extracted
```

Then read it with cat.

```
level4@chicken-little:~$ cd _the_sky_is_falling.extracted/  
level4@chicken-little:~/_the_sky_is_falling.extracted$ ls  
the_sky_is_falling.txt  
level4@chicken-little:~/_the_sky_is_falling.extracted$ cat the_sky_is_falling.txt  
Please don't think of this as writing, any more than you think of early Beatles lyrics
```

Bellow is the full text.

```
level4@chicken-little:~/_the_sky_is_falling.extracted$ cat the_sky_is_falling.txt  
Please don't think of this as writing, any more than you think of early Beatles lyrics as writing. The colorless  
prose,  
and the many run-on sentences strung together with "and," would make you think of it as bad writing. But it  
makes for very good storytelling. There are notes on telling at the end.  
CHICKEN LITTLE
```

Once upon a time there was a little chicken, and everybody called him-- Chicken Little.

And one day while he was out walking, up in the sky a bird flew over and it dropped an acorn, and the acorn fell down and-- bip-- bopped him on his head.

Chicken Little said "AWK! " and looked up, and didn't see anything, and he looked down and didn't see anything.

So he said

"Help, help the sky is falling! Help, help the sky is falling! I have to tell the King!" And he went running down the road, looking for the King.

As he was running he met Henny Penny. And Henny Penny said, "Buk Buk Buk BUK! Hello Chicken Little.

What's wrong with you?"

And Chicken Little said, "Oh Henny Penny! Haven't you heard-- the sky is falling! I'm looking for the King."

And Henny Penny said, "Oh my, how exciting. Buk buk buk BUK! Can I go too?" And they went down the road together, shouting

"Help, help the sky is falling! Help, help the sky is falling! We have to tell the King!"

After awhile they met Goosey Loosey. "Honk! Honk! Hello Chicken Little, Hello Henny Penny. What's wrong with you?"

"Oh, Goosey Loosey, haven't you heard? The sky is falling! We have to tell the King!"

"Honk Honk! That's terrible! Honk honk. Can I go too?" And they all went down the road together shouting

"Help, help the sky is falling! Help, help the sky is falling! We have to tell the King!"

And along the road, they met Turkey Lurkey.

And Turkey Lurkey said

“Gobble gobble gobble! Hello Chicken Little, Hello Henny Penny, Hello Goosey Loosey. What in the world is wrong with you?”

“Oh, Turkey Lurkey. Haven’t you heard? The sky is falling! The sky is falling! We’re looking for the King!”

“Gobble gobble gobble! Oh that’s terrible! Can I go too?”

And they all went down the road saying

“Help, help the sky is falling! Help, help the sky is falling! We have to tell the King!”

And they went down the road, and they met Foxey Loxey. And Foxey Loxey said, “Hello, Chicken Little, Hello Henny Penny, Hello Goosey Loosey. What in the world is wrong with you?”

And they told him, “Oh, Foxey Loxey, haven’t you heard? The sky is falling! We have to tell the King!”

“Nothing easier,” said Foxey Loxey. “He’s back there in my den. But the King doesn’t like to feel crowded, so I’d better bring you in one by one. Now, who wants to go first?”

Everybody wanted to be first to see the King, but the Turkey was the biggest. “Gobble gobble gobble. Me first! I want to see the King!” and he pushed everybody else away. “Come with me,” says Foxey Loxey, and they went into the hole together.

Then there was a lot of squawking down there, and some feathers came flying out, and the fox called up, “NEXT”

“Honk Honk. Me! I want to go! Me” said Goosey Loosey, and she pushed her way in. More squawking, more feathers, and the fox said “NEXT!”

“Buk buk buk BUK!” said Henny Penny, and she jumped in the hole. Squawks, feathers, and then..... no sound at all.

Right then, Chicken Little remembered it was his turn to take the garbage out, and he went home.

So poor Chicken Little never got to see the King.

level5:is-the-sky-falling?

**Level5 password : is-the-sky-falling?**

## Chicken Little - 6

Value : 40 pts

Difficulty : Unknown

Description : Start here

**level5@44.233.149.141 -p 3333**

The password is the flag from the previous challenge.

Flags might not be in the normal flag{ } format

Save the flag, as you will need it to start the next challenge

Attachment : None

### Solution :

Authenticate as «level5» user with su, and the flag password «is-the-sky-falling?». Then we get the instructions.

```
Level: level5

Instructions

Pull the image file to your computer and look at it.
You don't know how to do that? Google is your friend.
Something like "Transfer files over SSH" might do the trick.

level5@chicken-little:~$
```

For it we need to know the file name of the file we want to download and the path of it.

```
level5@chicken-little:~$ ls
chicken-little.png
level5@chicken-little:~$ pwd
/home/level5
level5@chicken-little:~$
```

Then use «scp» for download the picture to our Desktop.

```
root@kali:~# scp -P 3333 level5@44.233.149.141:/home/level5/chicken-little.png /root/Bureau/chicken-little.png
#####
#           Welcome to my game           #
#           NEVERLAN CTF 2020             #
#           Make sure you read the rules   #
#####
level5@44.233.149.141's password:
chicken-little.png                  100% 397KB 138.1KB/s   00:02
root@kali:~#
```



Open the downloaded picture from your Desktop.



Level6 password : i-was-right-all-along-it-was-falling

## Chicken Little - 7

Value : 100 pts

Difficulty : Unknown

Description : Start here

**level6@44.233.149.141 -p 3333**

The password is the flag from the previous challenge.

Flags might not be in the normal flag{} format

Save the flag, as you will need it to start the next challenge

Attachment : None

### Solution :

Authenticate as «level6» user with su, and the flag password «i-was-right-all-along-it-was-falling». Then we get the instructions.

```
Level: level6

Instructions

This one is fun. You'll need to crack the chicken's password.

Chickens aren't very smart so their password is less than 5 characters.

You can find the hash for level7 in the normal linux hash location.

Use hashcat on your laptop (not is this SSH).
level6@chicken-little:~$
```

The hash of the password is provided. It is \$6\$Avlq2aF8\$dHQkjNT0H/YH9EeL0N/uyGaizeW83stNbvD8/P0jbetBzhI5hQYbLwe/FpXYju11qQHKVxOPtwZQ3ZGdRAvo0.

The password is less than 5 characters. We can create a wordlist with crunch.

```
steel@debian:~/CTF/neverlan$
steel@debian:~/CTF/neverlan$ crunch 1 5 > chicken.txt
Crunch will now generate the following amount of data: 73645520 bytes
70 MB
0 GB
0 TB
0 PB
Crunch will now generate the following number of lines: 12356630
steel@debian:~/CTF/neverlan$
```

Now that we have the wordlist, we can crack the password with hashcat.

```
$6$Avlq2aF8$dHQkjNT0H/YH9EeL0N/uyGaizeW83stNbvD8/P0jbetBzhI5hQYbLwe/FpXYju11
HKVx0PtwZQ3ZGdRAvo0.:bawk

Session.....: hashcat
Status.....: Cracked
Hash.Type.....: sha512crypt $6$, SHA512 (Unix)
Hash.Target.....: $6$Avlq2aF8$dHQkjNT0H/YH9EeL0N/uyGaizeW83stNbvD8/P0...RAv
.
Time.Started.....: Tue Feb 11 23:32:40 2020 (3 mins, 47 secs)
Time.Estimated...: Tue Feb 11 23:36:27 2020 (0 secs)
Guess.Base.....: File (chicken.txt)
Guess.Queue.....: 1/1 (100.00%)
Speed.#1.....:      162 H/s (19.49ms) @ Accel:128 Loops:16 Thr:1 Vec:4
Recovered.....: 1/1 (100.00%) Digests, 1/1 (100.00%) Salts
Progress.....: 36864/12356630 (0.30%)
Rejected.....: 0/36864 (0.00%)
Restore.Point....: 35840/12356630 (0.29%)
Restore.Sub.#1...: Salt:0 Amplifier:0-1 Iteration:4992-5000
Candidates.#1....: azzm -> bbmv
```

**Level 7 password: bawk**

## Chicken Little – Trying to Access next level

Authenticate as «level7» user with su, and the flag password «bawk». Then we get a message.

```
Level: level7

Instructions
=====
You're done. Game over. No more flags.

level7@chicken-little:~$
```

We are done, no more flag ! It's the end of ChickenLittle challenge.

