NeverLAN CTF 2021

The Zoo Challenges 1 - 10

by g0dd42d (Not The PPP)

NeverLAN is an annual Middle School-focused CTF, and we were invited to test it out. The Zoo was a great beginner-friendly set of challenges. I am somewhat of a beginner myself, and it was a nice change of pace from the harder CTFs I've been attempting. I thought a write-up would be valuable for other newcomers**.**

NeverLAN CTF 2021: The Zoo – level1

level1 gives us the ssh command and password to access the first level.

```
user@kali:~$ ssh -p 3333 neverlan@bashzoo.neverlanctf.com
```

The first challenge simply tests our basic command knowledge.

cat the Welcome.txt file for the flag.

NeverLAN CTF 2021: The Zoo – level2

Access level2 with the flag from level1 as the password.

```
user@kali:~$ ssh -p 3333 level1@bashzoo.neverlanctf.com
```

It lets us know the flag is hidden in this directory.

```
Level: level1

Instructions
--------------------------------------------------

I've hidden a file. You get to go seek for it. It's in this directory.
```

We can view the list all the files in the directory, including the hidden ones, with the *ls -a* command.

```
level1@the-zoo:~$ ls -a
.  ..  .bash_logout  .bashrc  .cache  .hidden.txt  .instructions  .profile
```

We can view the hidden file like so.

```
level1@the-zoo:~$ cat ./.hidden.txt
              .-"""-.
            _/-=-.   \
           (_|a a/   |_
            / "  \   ,_)
       _    \`=' /__/
      / \_  .;--'  `-.
      \___)//      ,  \
       \ \/;        \  \
        \_.|         | |
         .-\ '     _/_/
       .'   _;.    (_  \
      /   .'   `\   \\_/
     |_ /       |  |\\
    /  _)      /  / ||
   /  /       _/  /  //
   \_/       ( `-/  ||
             /  /   \\ .-.
             \_/     \'-'/
                      `"`
level2 password: monkey-see-the-hidden-file-monkey-do-submit-flag
```

Nice!

NeverLAN CTF 2021: The Zoo – level3

Access level3 with the flag from level2 as the password.

```
user@kali:~$ ssh -p 3333 level2@bashzoo.neverlanctf.com
```

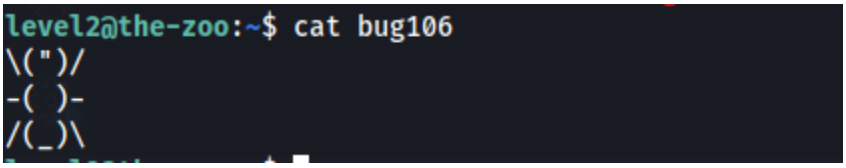
```
Level: level2

Instructions
--------------------------------------------------------------------------------
Those monkeys were awesome! Glad you got to see them moving around.

Let's take a look at the bugs.

 \       /
  \     /
   \.-./
  (o\^/o)   _     _     _       __
   ./ \.\ ( )-( )-( ) .-'  '-.
    {-} \(//  ||   \\/ (   )) '-.
         //-__||__.-\\.        .-'
        (/    ()     \)'-._.-'
         ||    ||      \\
        ('    ('       ')


          \  \
           |__/ _    .-.
          (o_o)(_`>(   )
           { }//||\\`-'
```

Listing the files in the directory gives us this…. Yikes.

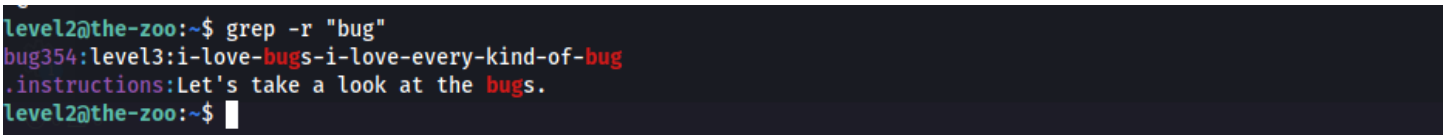
```
bug1035 bug1113 bug1192 bug1270 bug1349 bug1427 bug1505 bug1584 bug1662 bug1740 bug1819 bug1898 bug1976 bug253  bug331  bug41   bug489  bug567  bug645  bug723  bug801  bug880  bug959
bug1036 bug1114 bug1193 bug1271 bug135  bug1428 bug1506 bug1585 bug1663 bug1741 bug182  bug1899 bug1977 bug254  bug332  bug410  bug49   bug568  bug646  bug724  bug802  bug881  bug96
bug1037 bug1115 bug1194 bug1272 bug1350 bug1429 bug1507 bug1586 bug1664 bug1742 bug1820 bug19   bug1978 bug255  bug333  bug411  bug490  bug569  bug647  bug725  bug803  bug882  bug960
bug1038 bug1116 bug1195 bug1273 bug1351 bug143  bug1508 bug1587 bug1665 bug1743 bug1821 bug190  bug1979 bug256  bug334  bug412  bug491  bug57   bug648  bug726  bug804  bug883  bug961
bug1039 bug1117 bug1196 bug1274 bug1352 bug1430 bug1509 bug1588 bug1666 bug1744 bug1822 bug1900 bug198  bug257  bug335  bug413  bug492  bug570  bug649  bug727  bug805  bug884  bug962
bug104  bug1118 bug1197 bug1275 bug1353 bug1431 bug151  bug1589 bug1667 bug1745 bug1823 bug1901 bug1980 bug258  bug336  bug414  bug493  bug571  bug65   bug728  bug806  bug885  bug963
bug1040 bug1119 bug1198 bug1276 bug1354 bug1432 bug1510 bug159  bug1668 bug1746 bug1824 bug1902 bug1981 bug259  bug337  bug415  bug494  bug572  bug650  bug729  bug807  bug886  bug964
bug1041 bug112  bug1199 bug1277 bug1355 bug1433 bug1511 bug1590 bug1669 bug1747 bug1825 bug1903 bug1982 bug26   bug338  bug416  bug495  bug573  bug651  bug73   bug808  bug887  bug965
bug1042 bug1120 bug12   bug1278 bug1356 bug1434 bug1512 bug1591 bug167  bug1748 bug1826 bug1904 bug1983 bug260  bug339  bug417  bug496  bug574  bug652  bug730  bug809  bug888  bug966
bug1043 bug1121 bug120  bug1279 bug1357 bug1435 bug1513 bug1592 bug1670 bug1749 bug1827 bug1905 bug1984 bug261  bug34   bug418  bug497  bug575  bug653  bug731  bug81   bug889  bug967
bug1044 bug1122 bug1200 bug128  bug1358 bug1436 bug1514 bug1593 bug1671 bug175  bug1828 bug1906 bug1985 bug262  bug340  bug419  bug498  bug576  bug654  bug732  bug810  bug89   bug968
bug1045 bug1123 bug1201 bug1280 bug1359 bug1437 bug1515 bug1594 bug1672 bug1750 bug1829 bug1907 bug1986 bug263  bug341  bug42   bug499  bug577  bug655  bug733  bug811  bug890  bug969
bug1046 bug1124 bug1202 bug1281 bug136  bug1438 bug1516 bug1595 bug1673 bug1751 bug183  bug1908 bug1987 bug264  bug342  bug420  bug5    bug578  bug656  bug734  bug812  bug891  bug97
bug1047 bug1125 bug1203 bug1282 bug1360 bug1439 bug1517 bug1596 bug1674 bug1752 bug1830 bug1909 bug1988 bug265  bug343  bug421  bug50   bug579  bug657  bug735  bug813  bug892  bug970
bug1048 bug1126 bug1204 bug1283 bug1361 bug144  bug1518 bug1597 bug1675 bug1753 bug1831 bug191  bug1989 bug266  bug344  bug422  bug500  bug58   bug658  bug736  bug814  bug893  bug971
bug1049 bug1127 bug1205 bug1284 bug1362 bug1440 bug1519 bug1598 bug1676 bug1754 bug1832 bug1910 bug199  bug267  bug345  bug423  bug501  bug580  bug659  bug737  bug815  bug894  bug972
bug105  bug1128 bug1206 bug1285 bug1363 bug1441 bug152  bug1599 bug1677 bug1755 bug1833 bug1911 bug1990 bug268  bug346  bug424  bug502  bug581  bug66   bug738  bug816  bug895  bug973
bug1050 bug1129 bug1207 bug1286 bug1364 bug1442 bug1520 bug16   bug1678 bug1756 bug1834 bug1912 bug1991 bug269  bug347  bug425  bug503  bug582  bug660  bug739  bug817  bug896  bug974
bug1051 bug113  bug1208 bug1287 bug1365 bug1443 bug1521 bug160  bug1679 bug1757 bug1835 bug1913 bug1992 bug27   bug348  bug426  bug504  bug583  bug661  bug74   bug818  bug897  bug975
bug1052 bug1130 bug1209 bug1288 bug1366 bug1444 bug1522 bug1600 bug168  bug1758 bug1836 bug1914 bug1993 bug270  bug349  bug427  bug505  bug584  bug662  bug740  bug819  bug898  bug976
bug1053 bug1131 bug121  bug1289 bug1367 bug1445 bug1523 bug1601 bug1680 bug1759 bug1837 bug1915 bug1994 bug271  bug35   bug428  bug506  bug585  bug663  bug741  bug82   bug899  bug977
bug1054 bug1132 bug1210 bug129  bug1368 bug1446 bug1524 bug1602 bug1681 bug176  bug1838 bug1916 bug1995 bug272  bug350  bug429  bug507  bug586  bug664  bug742  bug820  bug9    bug978
bug1055 bug1133 bug1211 bug1290 bug1369 bug1447 bug1525 bug1603 bug1682 bug1760 bug1839 bug1917 bug1996 bug273  bug351  bug43   bug508  bug587  bug665  bug743  bug821  bug90   bug979
bug1056 bug1134 bug1212 bug1291 bug137  bug1448 bug1526 bug1604 bug1683 bug1761 bug184  bug1918 bug1997 bug274  bug352  bug430  bug509  bug588  bug666  bug744  bug822  bug900  bug98
bug1057 bug1135 bug1213 bug1292 bug1370 bug1449 bug1527 bug1605 bug1684 bug1762 bug1840 bug1919 bug1998 bug275  bug353  bug431  bug51   bug589  bug667  bug745  bug823  bug901  bug980
bug1058 bug1136 bug1214 bug1293 bug1371 bug145  bug1528 bug1606 bug1685 bug1763 bug1841 bug192  bug1999 bug276  bug354  bug432  bug510  bug59   bug668  bug746  bug824  bug902  bug981
bug1059 bug1137 bug1215 bug1294 bug1372 bug1450 bug1529 bug1607 bug1686 bug1764 bug1842 bug1920 bug2    bug277  bug355  bug433  bug511  bug590  bug669  bug747  bug825  bug903  bug982
bug106  bug1138 bug1216 bug1295 bug1373 bug1451 bug153  bug1608 bug1687 bug1765 bug1843 bug1921 bug20   bug278  bug356  bug434  bug512  bug591  bug67   bug748  bug826  bug904  bug983
bug1060 bug1139 bug1217 bug1296 bug1374 bug1452 bug1530 bug1609 bug1688 bug1766 bug1844 bug1922 bug200  bug279  bug357  bug435  bug513  bug592  bug670  bug749  bug827  bug905  bug984
bug1061 bug114  bug1218 bug1297 bug1375 bug1453 bug1531 bug161  bug1689 bug1767 bug1845 bug1923 bug2000 bug28  bug358  bug436  bug514  bug593  bug671  bug75   bug828  bug906  bug985
bug1062 bug1140 bug1219 bug1298 bug1376 bug1454 bug1532 bug1610 bug169  bug1768 bug1846 bug1924 bug201  bug280  bug359  bug437  bug515  bug594  bug672  bug750  bug829  bug907  bug986
bug1063 bug1141 bug122  bug1299 bug1377 bug1455 bug1533 bug1611 bug1690 bug1769 bug1847 bug1925 bug202  bug281  bug36   bug438  bug516  bug595  bug673  bug751  bug83   bug908  bug987
bug1064 bug1142 bug1220 bug13   bug1378 bug1456 bug1534 bug1612 bug1691 bug177  bug1848 bug1926 bug203  bug282  bug360  bug439  bug517  bug596  bug674  bug752  bug830  bug909  bug988
bug1065 bug1143 bug1221 bug130  bug1379 bug1457 bug1535 bug1613 bug1692 bug1770 bug1849 bug1927 bug204  bug283  bug361  bug44   bug518  bug597  bug675  bug753  bug831  bug91   bug989
bug1066 bug1144 bug1222 bug1300 bug138  bug1458 bug1536 bug1614 bug1693 bug1771 bug185  bug1928 bug205  bug284  bug362  bug440  bug519  bug598  bug676  bug754  bug832  bug910  bug99
bug1067 bug1145 bug1223 bug1301 bug1380 bug1459 bug1537 bug1615 bug1694 bug1772 bug1850 bug1929 bug206  bug285  bug363  bug441  bug52   bug599  bug677  bug755  bug833  bug911  bug990
bug1068 bug1146 bug1224 bug1302 bug1381 bug146  bug1538 bug1616 bug1695 bug1773 bug1851 bug193  bug207  bug286  bug364  bug442  bug520  bug6    bug678  bug756  bug834  bug912  bug991
bug1069 bug1147 bug1225 bug1303 bug1382 bug1460 bug1539 bug1617 bug1696 bug1774 bug1852 bug1930 bug208  bug287  bug365  bug443  bug521  bug60   bug679  bug757  bug835  bug913  bug992
bug107  bug1148 bug1226 bug1304 bug1383 bug1461 bug154  bug1618 bug1697 bug1775 bug1853 bug1931 bug209  bug288  bug366  bug444  bug522  bug600  bug68   bug758  bug836  bug914  bug993
bug1070 bug1149 bug1227 bug1305 bug1384 bug1462 bug1540 bug1619 bug1698 bug1776 bug1854 bug1932 bug21   bug289  bug367  bug445  bug523  bug601  bug680  bug759  bug837  bug915  bug994
```

NeverLAN CTF 2021: The Zoo – level3

The files seem to be full of…. Bugs?



We can perform a recursive search with *grep -r*. The term “level3” seems like a good start.



And there it is!

NeverLAN CTF 2021: The Zoo – level4

Access level4 with the flag from level3 as the password.

```
user@kali:~$ ssh -p 3333 level3@bashzoo.neverlanctf.com
```

```
Level: level3

Instructions
--------------------------------------------------------------------------------
Welcome to the butterfly biosphere! Please be careful and don't step on any of our
dear butterflies. To protect them, we'll but a 'binary bubble' around them. Please
try to find the special butterfly!

level3@the-zoo:~$ ls
black-butterfly  blue-butterfly  green-butterfly  pink-butterfly  purple-butterfly  red-butterfly  yellow-butterfly
```

Examining a file gives us a mess.

```
level3@the-zoo:~$ file black-butterfly
black-butterfly: data
level3@the-zoo:~$
```

We can use *grep* again to search for the flag. We see that the **pink-butterfly** directory contains matching text.

```
level3@the-zoo:~$ grep -rl "level"
pink-butterfly
```

We can use *strings* and pipe (|) the output to *grep* to find the flag.

```
level3@the-zoo:~$ strings pink-butterfly | grep "level"
level4:fly-butterfly-fly
```

Done!

NeverLAN CTF 2021: The Zoo – level5

Access level5 with the flag from level4 as the password.

```
user@kali:~$ ssh -p 3333 level4@bashzoo.neverlanctf.com
```

```
Level: level4

Instructions
--------------------------------------------------------------------------------
Nice job on that last level. I'll have to step it up. Alright here is a file,
but I won't tell you what it is. You'll have to figure that out on your own.


level4@the-zoo:~$ ls
crocodile
```

file tells us this is a gzip compressed file.

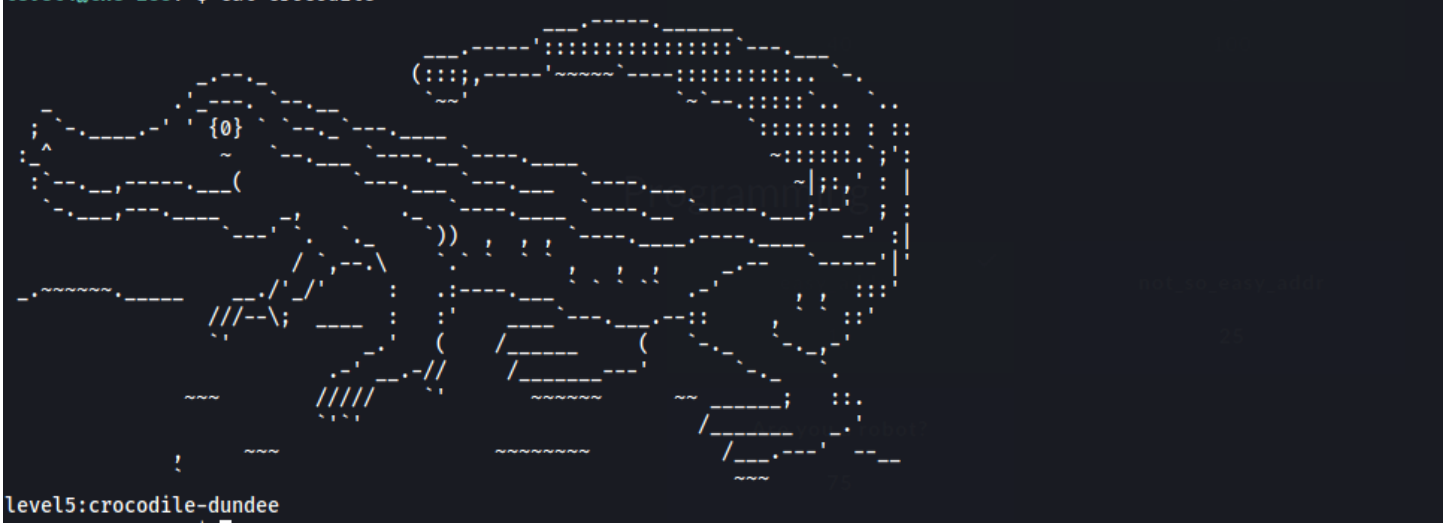
```
level4@the-zoo:~$ file crocodile
crocodile: gzip compressed data, was "croc.txt", last modified: Fri Mar 12 10:32:07 2021, from Unix, original size modulo 2^32 1347
```

We will need to give the file a suffix to unzip it.

```
level4@the-zoo:~$ mv crocodile crocodile.gz
level4@the-zoo:~$ ls
crocodile.gz
```

gunzip will decompress the compressed file, allowing us to read the text in the file.

```
level4@the-zoo:~$ gunzip crocodile.gz
level4@the-zoo:~$ ls
crocodile
level4@the-zoo:~$ cat crocodile
```



```
level5:crocodile-dundee
```

That's it!

NeverLAN CTF 2021: The Zoo – level6

Access level6 with the flag from level5 as the password.

```
user@kali:~$ ssh -p 3333 level5@bashzoo.neverlanctf.com
```

It asks us to copy the file to our system., so that's what we'll do!

```
Level: level5

Instructions
═══════════════════════════════════════════════════════════════════════════

BIRDS! SO MANY BIRDS! Can you see them? Look around!

level5@the-zoo:~$ ls
birdcage.txt  birdpoop.png
level5@the-zoo:~$ cat birdcage.txt
             __
            /'{>
         ____) (____
       //'--;   ;--'\\
      ///////\_/\\\\\\\
            m m

Looking for a password? Transfer the birdpoop to your computer and take a look!
```

Will take note of the working directory and exit. Then, we can use *scp* to copy the file from the host over port 3333 to our local neverlanctf directory.

```
level5@the-zoo:~$ pwd
/home/level5
level5@the-zoo:~$ exit
logout
Connection to bashzoo.neverlanctf.com closed.
user@kali:~$ scp -P3333 level5@bashzoo.neverlanctf.com:/home/level5/birdpoop.png ./Downloads/neverlanctf
################################################################
#                  Welcome to my game                          #
#         Check out https://neverlanctf.com for info           #
#               Make sure you read the rules                   #
#         https://neverlanctf.com/docs/code-of-conduct         #
################################################################
level5@bashzoo.neverlanctf.com's password:
birdpoop.png                  100%  218KB 276.8KB/s   00:00
```

Opening the image gives us the flag!

NeverLAN CTF 2021: The Zoo – level7

Access level7 with the flag from level6 as the password.

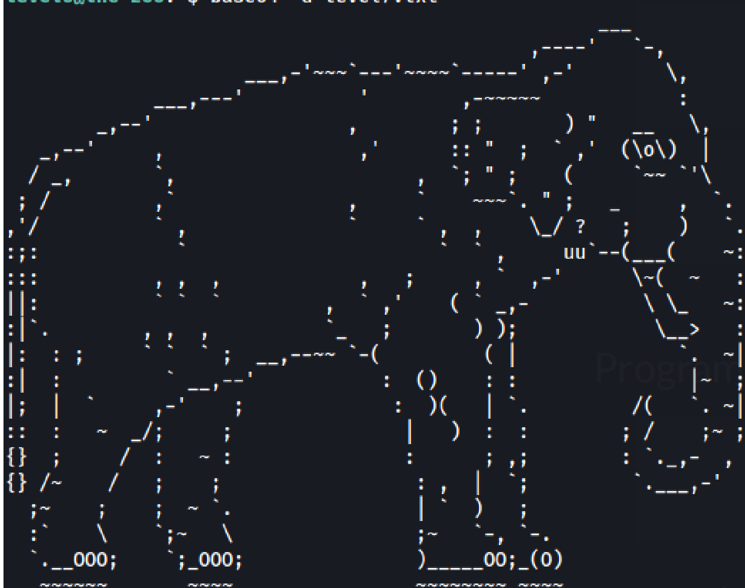
```
user@kali:~$ ssh -p 3333 level6@bashzoo.neverlanctf.com
```

```
Level: level6

Instructions
════════════════════════════════════════════════════════════════
Look in level7.txt. You'll have to figure out what to do with that on your own.
level6@the-zoo:~$ ls
level7.txt
level6@the-zoo:~$ cat level7.txt
```


```
ICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgIF9fXwogICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgICAgLC0tLS0
nICAgYC0sCiAgICAgICAgICAgICAgICAgICAgIF9fXywtJ35+fmAtLS0nfn5+fmAtLS0tLScgLC0nICAgICAgICBcLAogICAgICAgICAgICAgX19fLC0tLScgICAgICAgICAgJyAgICAgIC
AgLC1+fn5+fiAgICAgICAgICAgIDoKICAgICAgICBfLC0tJyAgICAgICAgICAgICAgICAgLCAgICAgICAgOyA7ICAgICAgICkgIiAgIF9fICAgXCwKICAgXywtLScgICAgICwgICAgICAgICAgI
CAgICAgICAgICwnICAgICAgOjogIiAgOyAgYCAsJyAgKFxvXCkgIHwKICAvIF8sICAgICAgIGAsICAgICAgICAgICAgICAgICAgLCAgYDsgIiA7ICAgICggICAgICAgIGB+fiBgJ1wKIDsg
LyAgICAgICAgICxgICAgICAgICAgICAgICAgLCAgICAgYCAgICB+fn5gLiAiIDsgICBfICAgICAsICBgLgosJy8gICAgICAgICAgYCAsICAgICAgICAgICAgICBgICAgICBgICwgICAgICAgXC8gPyAgICA
gXF8vID8gICA7ICAgICkgICBgLgo6OzogICAgICAgICAgICBgICAgICAgICAgICAgICAgICAgIGAgIGAgLCAgICAgICAgdXVgLS0oX19fKCAgICB+Ogo6OjogICAgICAgICAgLCAsICAsICAsIC
AgICAgICAgICAgLCAgIDsgICAgICwgYCAgLC0nICAgICAgXH4oICB+ICAgOgp8fDogICAgICAgICAgICAgICAgYCBgICBgICAgICAgLCAgYCAsJyAgICAgICAoIGAgXywtICAgICAgICBcIFxfICAgIH5
CB+Ogo6fGAuICAgICAgICAsICwgICwgICAgICAgICAgYF8gICA7ICAgICAgICkgKTsgICAgICAgICBcX18+ICAgOgp8OiAgOiA7ICAgICAgICAgICBgICA7ICAgX18sLS0tfiBgLSggICAgICAgICggfCAgICAgICAgICBgLiAgfgp
ICAgICAoIHwgICAgICAgICAgICBgIF9fLC0tJyAgICAgICAgICAgIDogICgpICAgICAgOiA6ICAgICAgICAgfH4gIDsKfDsgIHwgICBgICAgICAgLC0nICAgIDsgICAgICAgICAgICAgOiAgKSggICAgIHwgYC4gICAgICAgIC8oICAgIGAuIH58
gLC0nICAgIDsgICAgICAgICAgICAgOiAgKSggICAgIHwgYC4gICAgICAgIC8oICAgIGAuIH58CjogICA6ICAgfiAgX/87ICAgICAgOyAgICAgICAgICAgICAgfCAgICApICA6ICAgOiAgICAgICAgOyAvICAgIDt+IDsKe30gIDsgICAgIC8gIDogICB+IDo
A7IC8gICAgO34gOwp7fSAvfiAgICAvICAgOyAgIDsgICAgICAgICAgICAgICA6ICwgICAgfCAgIGA7ICAgICAgICAgYC5fLF8tJyAgICAgIDsKICA7fiAgICAgIDsgICAgOyAgfiBgLiAgICAgICAgICAgIHwgYCAgICApICAgOiAgICAgICAgICAgICAgIGAu
CAgICAgIDogIHwgICAgICAgOyAgIDsKIDpgICAgICBcICAgICBgO34gICAgXCAgICAgICAgICAgICA7fiAgICAgIGAtLCAgYC0uIAogIGAuX18wMDA7ICAgICBgO18wMDA7ICAgICAgICAgICAgICApX19fX18wMDs_KDApCiAgIH5+fn5+fiAgICAgIH5+fn4gICAg
ICAgICAgICAgIDt+ICAgICBgLS0sIGAtLgogIGAuX18wMDA7ICAgICBgO18wMDA7ICAgICAgICAgICAgICApX19fX18wMDs_KDApCiAgIH5+fn5+fiAgICAgIH5+fn4gICAgICAgICAgICAgICB+fn5+fn5+fiB+fn5+CiAgIH5+fn5+fiAgICAgICAgICAgICAgICA
gIH5+fn5+fn5+IH5+fn4KbGV2ZWw3OmVsZXBoYXRzLWxvdmUtdGlueS1taWNl
```


We are not provided with a hint this time. With experience, we see that the repeating "ICAg" in the string equates to three spaces when text is base64-encoded. We can decode it with *base64 -d*.

```
level6@the-zoo:~$ base64 -d level7.txt
```



```
level7:elephats-love-tiny-micelevel6@the-zoo:~$
```

Sure enough, this presents us with the flag!

NeverLAN CTF 2021: The Zoo – level8

Access level8 with the flag from level7 as the password.

```
user@kali:~$ ssh -p 3333 level7@bashzoo.neverlanctf.com
```

```
Level: level7

Instructions
--------------------------------------------------------------------------------
This is very similar to the last level, just need to go a little farther

level7@the-zoo:~$ ls
level8.txt
level7@the-zoo:~$ cat level8.txt
H4sICOpIS2AAA2Zpc2gudHh0AHVQQQoCMQy89xUhl3iw41XqY3KqrLAgKAhCH2/Sdt26sqGUNjOZ
TEK0EwqBatgF2wNBkmCDQhxV9WMMIkGCDvjJUJImwbH2sRqJiZg5NmqhraxRGeao96u3JRYrf8HV
fGW7qJn5Ko41lkx3QZ+0eCZa0MIebfS6w7IWMbqTQQ4cMU7ZQqOEoRpVuYDZ26QLYEuyqC1XZnNh
y+Dl583CakLXAZon7WgxqZ+FSISEOb/yfE5TfuR4vT2n93iHD91T00oEAgAA
```

We start with another text file. The hint suggests we try the same thing as last time.

```
level7@the-zoo:~$ base64 -d level8.txt
HK`fish.txtuPA
1
 Bo63B
A6jeA1NB`K Wfsa jB h1H NS~ level7@the-z
oo:~$ file level8.txt
level8.txt: ASCII text
```

We can see a fish.txt in the garbled result, so we are on the right track. This appears to be another compressed file, so let's append a suffix and decompress it. We can pipe the decoded base64 output to a gzip and decompress it.

```
level7@the-zoo:~$ base64 -d level8.txt > level8.gz
level7@the-zoo:~$ ls
level8.gz  level8.txt
level7@the-zoo:~$ gunzip level8.gz
level7@the-zoo:~$ ls
level8  level8.txt
level7@the-zoo:~$ cat level8
                      _-'.--
                   _-'      .
':'.             .''   __ __ .
  '.:._        ./  _ ''    "_'.__
.'''-: """-._   | .              "-".-_
 '.     .    "._'                    "
    '.   "-.___ .        .'          .  :o'.
      |   .----  .       .          .'     (
       '|  ----. '    ,'.-_                _-'
        .' .---  |."   .-:;.. _____.----'
        |   .-""""    |       '
       .'   _'         '.     _'
      |_.-'             '-.'
level8:here-fishy-fishy-fishy
```

And there it is!

NeverLAN CTF 2021: The Zoo – level9

Access level9 with the flag from level8 as the password.

```
user@kali:~$ ssh -p 3333 level8@bashzoo.neverlanctf.com
```

```
Level: level8

Instructions
--------------------------------------------------------------------------------
Let's switch gears and to the desert to find the camels.

level8@the-zoo:~$ ls
camel.txt
level8@the-zoo:~$ cat camel.txt
```

```
Let's do this. It's bash's favorite cypher.

`ovevo9:xznvo-xznvo-xznvo`
```

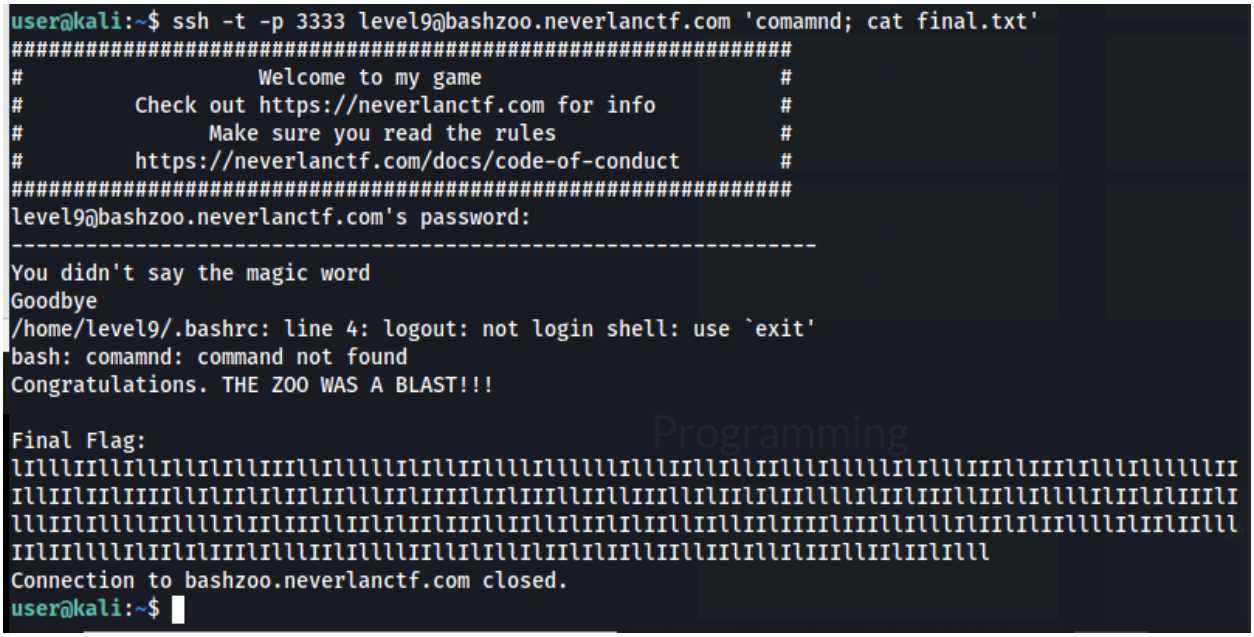
The hint lets us know that the string of text provided is “bash’s favorite cipher”. This brings to mind the Atbash Cipher, or the Affine Cipher with a and b set to 25. CyberChef has recipes for both!

Done!

NeverLAN CTF 2021: The Zoo – final_flag

After looking at the directories, it looks like we have one more to go.

But… it doesn't hold the connection. We can include a command to run with the ssh.



This looks awfully familiar. Lets try turning it into 1s and 0s (50% chance to get it right!)

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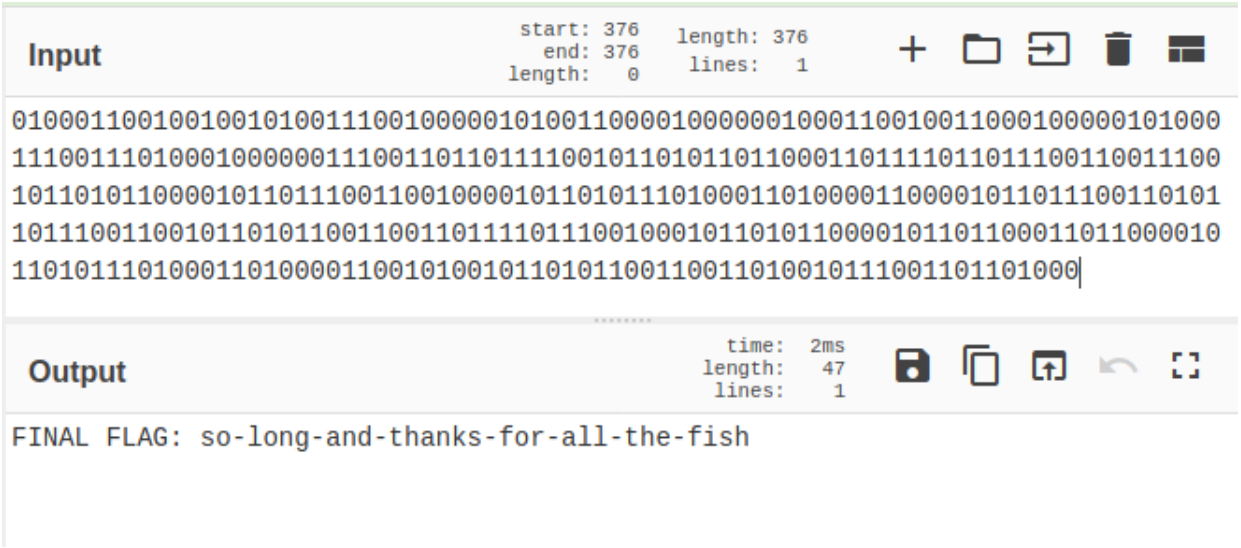
I ‘replace all’ the respective characters in VSCode and throw the result into CyberChef.



Yay!! Finished!