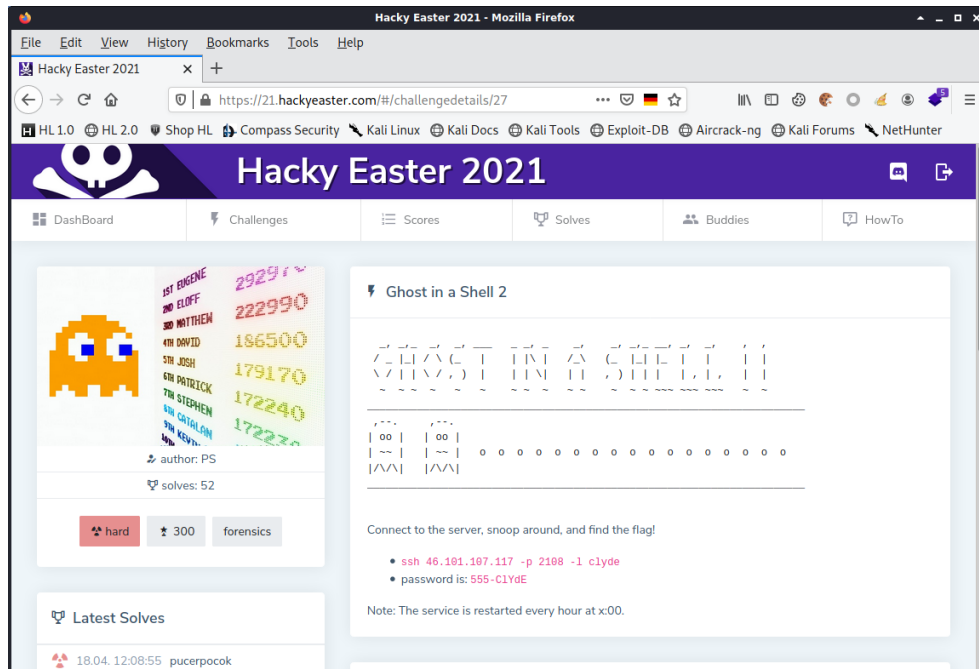# Hacky Easter 2021

Ghost in a Shell 2

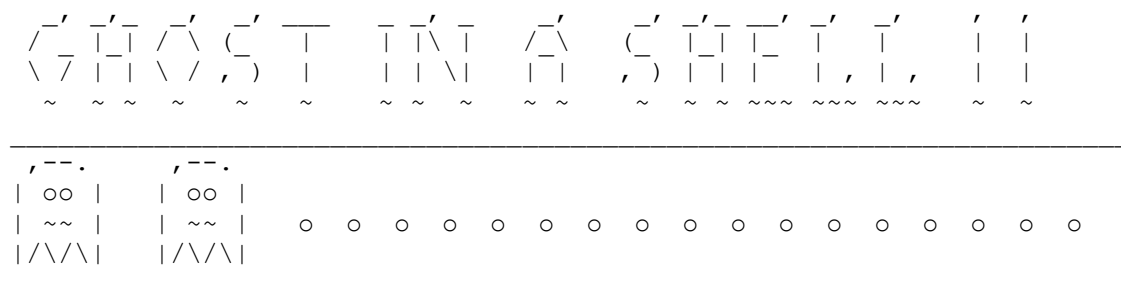1. Click the **Ghost in a Shell 2** image:

2. Open a Terminal window.

3. Execute the following command, from the Terminal window, to open a ssh session to server **46.10.107.117**, port **2108**, as user **clyde**:

    ssh 46.101.107.117 -p 2108 -l clyde

    ```
    clyde@46.101.107.117's password:
    ```

4. Type **555-ClYdE** and then press the **Enter** key:

    ```
      _' _'_ _'` _' __   _ _'_   _'    _' _'_ _ _' _' _'   ' '
     /_ |_| /\ (_ |   | |\ |  /_\   (_ |_| |_' |` |'  | |
     \ / | | \ / ,) |   | | \|   | |   ,) | | |  | , | ,   | |
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     ,--.     ,--.
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    | ~~ |   | ~~ |  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o  o
    |/\/\|   |/\/\|
    _____
    Find the flag!

    aefc01726fba:~$
    ```

Hacky Easter 2021

5.   Execute the following command, from the Terminal window, to list the contents of the
      current directory, in the long format:

      ls -la

      ```
      total 28
      drwxr-xr-x    1 root     root           4096 Apr 18 17:00 .
      drwxr-xr-x    1 root     root           4096 Apr  3 05:23 ..
      -rwxr-xr-x    1 root     root             15 Apr 18 17:00 .bashrc
      drwxr-xr-x    1 root     root           4096 Apr 18 17:00 .lost+found
      -rwxr-xr-x    1 root     root           3361 Mar  2 13:23 flag?.txt
      ```

6.   Execute the following command, from the Terminal window, to list the contents of the
      .lost+found directory, in the long format:

      ls -la .lost\+found

      ```
      total 16
      drwxr-xr-x    1 root     root           4096 Apr 18 17:00 .
      drwxr-xr-x    1 root     root           4096 Apr 18 17:00 ..
      -r--r-----    1 root     pacman           32 Apr 18 17:00 flag.txt
      ```

7.   Execute the following command, from the Terminal window, to display the group
      information for the user **pacman**:

      cat /etc/group | grep pacman

      ```
      pacman:n5a.PKmFwZ1fw:1001:
      ```

8.   Execute the following command, from the Terminal window, to display the current working
      directory:

      pwd

      ```
      /home/clyde
      ```

9.   Execute the following command, from the Terminal window, to list the contents of the
      /home directory, in the long format:

      ls -la /home

      ```
      total 28
      drwxr-xr-x    1 root     root           4096 Apr  3 05:23 .
      drwxr-xr-x    1 root     root           4096 Apr 18 17:00 ..
      drwxr-xr-x    1 root     root           4096 Apr 18 17:00 clyde
      drwxr-xr-x    1 root     root           4096 Apr 18 17:00 pacman
      ```

Hacky Easter 2021

10. Execute the following command, from the Terminal window, to list the contents of the /home/pacman directory, in the long format:

    ls -la /home/pacman

    ```
    total 28
    drwxr-xr-x   1 root     root           4096 Apr 18 17:00 .
    -rwxr-xr-x   1 root     root              9 Apr 18 17:00 ."\?$*'N'*$?\"
    drwxr-xr-x   1 root     root           4096 Apr  3 05:23 ..
    -rwxr-xr-x   1 root     root            312 Mar  2 12:05 .bash_history
    -rwxr-xr-x   1 root     root            277 Mar  2 12:05 notes.txt
    ```

11. Execute the following command, from the Terminal window, to list the display the contents of the /home/pacman/notes.txt file:

    cat /home/pacman/notes.txt

12. Execute the following command, from the Terminal window, to list the display the contents of the /home/pacman/.bash_history file:

    cat /home/pacman/.bash_history

    ```
    history -c
    whoami
    ls -lrt
    cd /home/pacman
    du -sh
    vi notes.txt
    clear
    cd /var/log
    passwd
    ls
    clear
    cd ~
    vi notes.txt
    man cat
    man unzip
    man sg
    find . -type f
    find . -type f | grep mp4
    find . -type f | grep mp4 | sort
    clear
    cd ~
    ps -ef | grep java
    kill 1236
    killall java
    reboot
    ls -lrt
    rm -rf /home/pacman/secret
    ```

Hacky Easter 2021

13. Execute the following commands, from the Terminal window, to list the display the contents of the /home/pacman/."\?$*'N'*$?\" file:

    cat /home/pacman/.bash_history

    cat /home/pacman/.* | head -n 2

    ```
    cat: read error: Is a directory
    cat: read error: Is a directory
    msPACM4n
    history -c
    ```

    Contents of /home/pacman/."\?$*'N'*$?\" file: **msPACM4n**

14. Execute the following command, from the Terminal window, to display the contents of the .lost+found/flag.txt file:

    cat .lost+found/flag.txt

    ```
    cat: can't open '.lost+found/flag.txt': Permission denied
    ```

15. Execute the following command, from the Terminal window, to change to the **pacman** group:

    newgrp pacman

    ```
    Password:
    ```

16. Type **msPACM4n** and then press the **Enter** key:

    ```
    aefc01726fba:~$
    ```

17. Execute the following command, from the Terminal window, to display the contents of the .lost+found/flag.txt file:

    cat .lost+found/flag.txt

    ```
    he2021{wh4ts_y0ur_grewp_4g4in?}
    ```

18. Execute the following command, from the Terminal window, to return to **clyde** group:

    exit

19. Execute the following command, from the Terminal window, to close the ssh session:

    exit

    ```
    Connection to 46.101.107.117 closed.
    ```

20. Close the Terminal window.

Flag: **he2021{wh4ts_y0ur_grewp_4g4in?}**