

File Permission Exploit

Group 0: Anacaren Ruiz, Qasim Raza, Hooman Rokham, Debbrata Kumar Saha, Sonny Trujillo

- ❖ Open moderator logs before file permissions are assigned.
- ❖ `tail -f /home/moderator/log/#m.log &`

What we learned...

- ❖ In one of the other games, we found that we could write small scripts to perform code exploits and with the game much quicker
 - The script can be ran in the background while playing the game
 - It can print out valuable information that makes it easier for user to find tips of who the witch or werewolves are

Gaming Environment

```
group4@ubuntu1:~$ tail -f /home/moderator/log/39m.log &
```

```
[5] 16763
```

```
group4@ubuntu1:~$ (1493058338) - GAME: 39
```

```
(1493058338) - GAME: 39
```

```
(1493058338) - GAME: 39
```

```
Broadcast message from moderator@ubuntu1 (pts/0) (Mon Apr 24 12:25:38 2017):
```

```
Server listening! Start your clients.
```

```
(1493058338) -
```

```
moderator listener thread started
```

```
(1493058338) -
```

```
moderator listener thread started
```

```
(1493058338) -
```

```
moderator listener thread started
```

```
python ./client(1493058343) - group1 connected
```

```
(1493058343) - group1 connected
```

```
(1493058343) - group1 connected
```

```
group4@ubuntu1:~$ python client.py
```

Continue

(1493058375) - group4 connected

(1493058375) - group4 connected

(1493058375) - group4 connected

Hello, group4. You are connected. Please wait for the game to start.

(1493058397) - group6 connected

(1493058397) - group6 connected

(1493058397) - group6 connected

~~~~ YOU ARE A townsperson ~~~~

(1493058398) - roles assigned

(1493058398) - roles assigned

(1493058398) - roles assigned

(1493058398) - group chat thread started

(1493058398) - group chat thread started

(1493058398) - group chat thread started

(1493058398) -

Begin.

(1493058398) -

Begin.

(1493058398) -

Begin.

(1493058398) - There are 2 wolves, and 4 townspeople.

(1493058398) - There are 2 wolves, and 4 townspeople.

(1493058398) - There are 2 wolves, and 4 townspeople.

# Continue

There are 2 wolves, and 4 townspeople.

(1493058398) -

(1493058398) -

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(1493058398) - \*\*\*\*\*

(1493058398) - \*\*\*\*\*

(1493058398) - \*\*\*\*\*

(1493058398) - \*\*\*\*\* ROUND 1 \*\*\*\*\*

(1493058398) - \*\*\*\*\* ROUND 1 \*\*\*\*\*

(1493058398) - \*\*\*\*\* ROUND 1 \*\*\*\*\*

\*\*\*\*\*

(1493058398) - \*\*\*\*\*6 players remain.\*\*\*\*\*

(1493058398) - \*\*\*\*\*6 players remain.\*\*\*\*\*

(1493058398) - \*\*\*\*\*6 players remain.\*\*\*\*\*

\*\*\*\*\* ROUND 1 \*\*\*\*\*

(1493058398) - \*\*\*\*\*

(1493058398) - \*\*\*\*\*

(1493058398) - \*\*\*\*\*

# Key finding

\*\*\*\*\*6 players remain.\*\*\*\*\*

(1493058398) - Townspeople: ['group5', 'group4', 'group6', 'group1', 'group3', 'group2']

(1493058398) - Townspeople: ['group5', 'group4', 'group6', 'group1', 'group3', 'group2']

(1493058398) - Townspeople: ['group5', 'group4', 'group6', 'group1', 'group3', 'group2']

(1493058398) - Werewolves: ['group5', 'group1']

(1493058398) - Werewolves: ['group5', 'group1']

(1493058398) - Werewolves: ['group5', 'group1']

(1493058398) - Witch: ['group2']

(1493058398) - Witch: ['group2']

(1493058398) - Witch: ['group2']

(1493058398) - Night falls and the town sleeps. Everyone close your eyes

(1493058398) - Night falls and the town sleeps. Everyone close your eyes

(1493058398) - Night falls and the town sleeps. Everyone close your eyes