



 /dmuhackers

 @dmuhackers



CTF/Wargame platforms

Disclaimer



Don't do illegal shit



What?

- CTFs (Capture The Flag) are competitions in which teams complete cyber security related challenges to obtain the "flag" at the end. Challenges can range from viewing the source of a webpage, to reverse engineering a binary
- An example flag could look like: `dhctf{this_is_a_flag}`



Platforms



Hack The Box
PEN-TESTING LABS



PicoCTF

- Aimed at American "high school" students
- CTF platform with challenges increasing in difficulty

Lets Warm Up

Tags: Category: General Skills

AUTHOR: SANJAY C/DANNY TUNITIS

Description

If I told you a word started with 0x70 in hexadecimal, what would it start with in ASCII?

Hints

1

Submit your answer in our flag format. For example, if your answer was 'hello', you would submit 'picoCTF{hello}' as the flag.

5,520 solves / 15,769 attempts (35%)

67% Liked

picoCTF{FLAG}

Submit Flag



PicoCTF

<input type="text"/>	<input type="text" value="70"/>	<input type="text"/>	<input type="button" value="✕ Reset"/>		
Dec	Hex	Binary	HTML	Char	Description
104	68	01101000	h	h	Small h
105	69	01101001	i	i	Small i
106	6A	01101010	j	j	Small j
107	6B	01101011	k	k	Small k
108	6C	01101100	l	l	Small l
109	6D	01101101	m	m	Small m
110	6E	01101110	n	n	Small n
111	6F	01101111	o	o	Small o
112	70	01110000	&#112;	p	Small p
113	71	01110001	q	q	Small q
114	72	01110010	r	r	Small r

Lets Warm Up ☒

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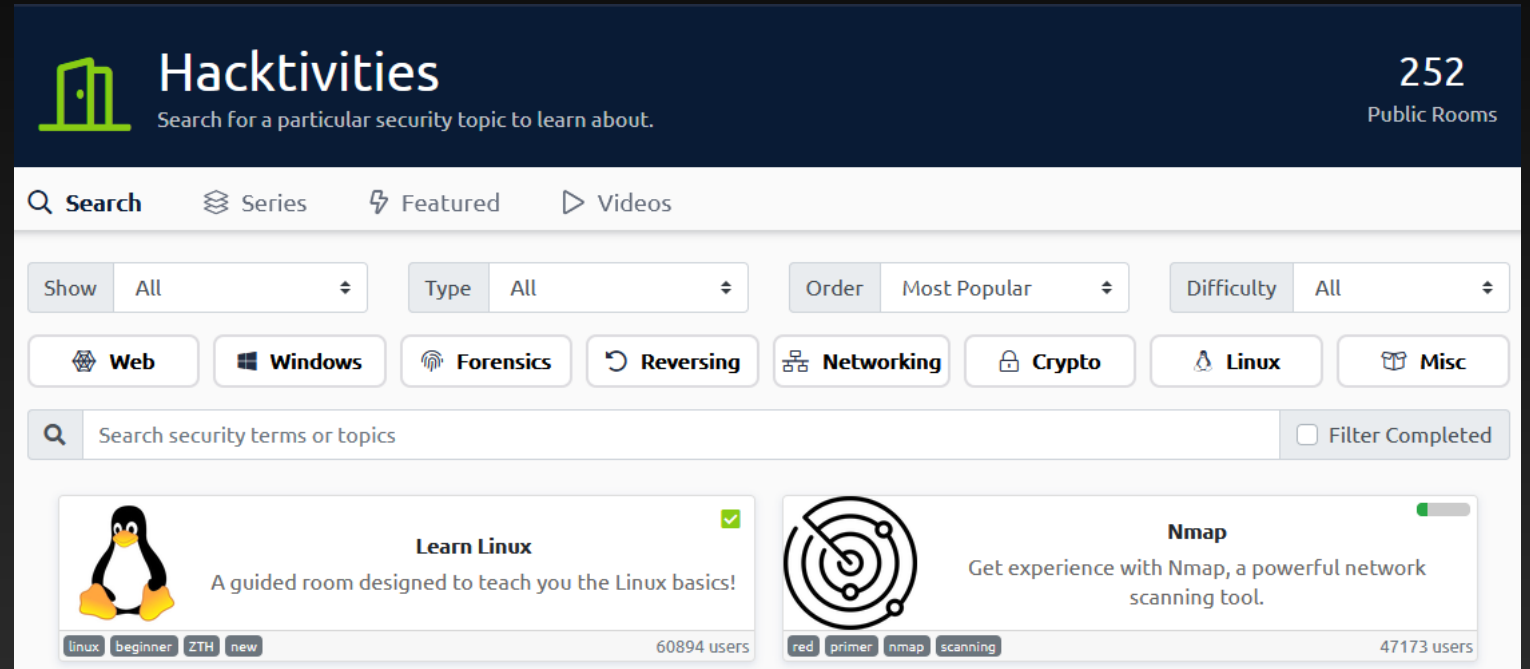


Submit
Flag



TryHackMe

- Aimed at all difficulty levels
- Hosts vulnerable machines, teaching courses, CTF challenges
- Offers VIP service



TryHackMe

Task 8 [Section 3: Basic File Operations] - cat

cat short for concatenate, does exactly that, it outputs the contents of files to the console. For example, given a file called a.txt which contains the data "hello", `cat a.txt` would output hello.

```
root@parabox:/tmp# cat a.txt
hello
root@parabox:/tmp#
```

Note: cat supports the `--help` flag meaning that you can see useful flags without going to the man page!

```
root@parabox:/tmp# cat --help
Usage: cat [OPTION]... [FILE]...
Concatenate FILE(s) to standard output.

With no FILE, or when FILE is -, read standard input.

-A, --show-all           equivalent to -vET
-b, --number-nonblank     number nonempty output lines, overrides -n
-e                        equivalent to -vE
-E, --show-ends           display $ at end of each line
-n, --number              number all output lines
-s, --squeeze-blank       suppress repeated empty output lines
-t                        equivalent to -vT
-T, --show-tabs           display TAB characters as ^I
-u                        (ignored)
-v, --show-nonprinting    use ^ and M- notation, except for LFD and TAB
--help                   display this help and exit
--version                output version information and exit
```

Examples:

```
cat f - g  Output f's contents, then standard input, then g's contents.
cat       Copy standard input to standard output.
```

GNU coreutils online help: <http://www.gnu.org/software/coreutils/>
Report cat translation bugs to <http://translationproject.org/team/>
Full documentation at: <http://www.gnu.org/software/coreutils/cat>
or available locally via: `info '(coreutils) cat invocation'`

#1 What flag numbers all output lines?

-n

Correct Answer



OverTheWire

- Aimed at all levels, with increasing difficulty
- Hosts different types of wargames, including Linux and server side web-security exploitation

Natas Level 0

```
Username: natas0  
Password: natas0  
URL:      http://natas0.natas.labs.overthewire.org
```

NATAS0

You can find the password for the next level on this page.



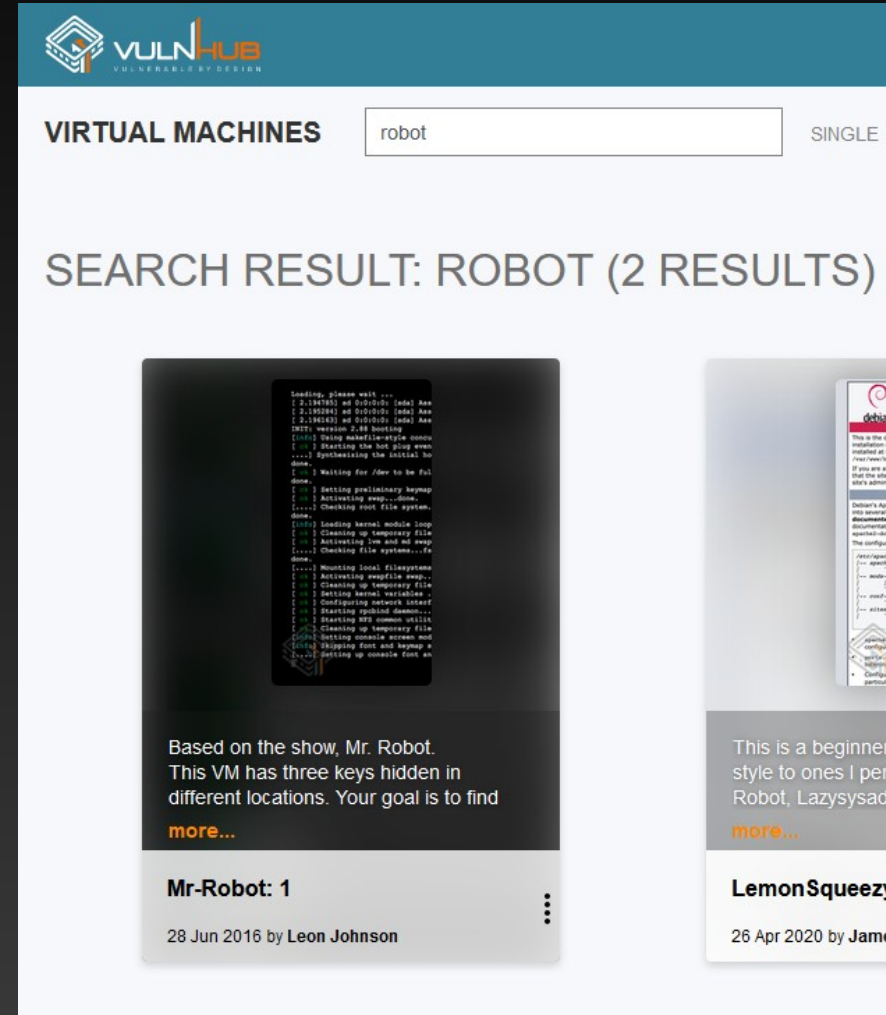
OverTheWire

```
1 <html>
2 <head>
3 <!-- This stuff in the header has nothing to do with the level -->
4 <link rel="stylesheet" type="text/css" href="http://natas.labs.overthewire.org/css/level.css" />
5 <link rel="stylesheet" href="http://natas.labs.overthewire.org/css/jquery-ui.css" />
6 <link rel="stylesheet" href="http://natas.labs.overthewire.org/css/wechall.css" />
7 <script src="http://natas.labs.overthewire.org/js/jquery-1.9.1.js"></script>
8 <script src="http://natas.labs.overthewire.org/js/jquery-ui.js"></script>
9 <script src="http://natas.labs.overthewire.org/js/wechall-data.js"></script><script src="http://natas.labs.overthewire.org/js/wechall.js"></script></head>
10 <script>var wechallinfo = { "level": "natas0", "pass": "natas0" };</script></head>
11 <body>
12 <h1>natas0</h1>
13 <div id="content">
14 You can find the password for the next level on this page.
15
16 <!--The password for natas1 is gtVrDuiDfck831PqWsLEZy5gyDz1clto -->
17 </div>
18 </body>
19 </html>
20
```



Vulnhub

- Aimed at all levels, not as beginner-friendly as others
- Hosts downloadable (intentionally vulnerable) virtual machines to hack
- Recently acquired by Offensive Security



The screenshot shows the Vulnhub website interface. At the top, the Vulnhub logo is visible. Below it, the text 'VIRTUAL MACHINES' is displayed. A search bar contains the word 'robot', and to its right, the word 'SINGLE' is visible. Below the search bar, the text 'SEARCH RESULT: ROBOT (2 RESULTS)' is shown. Two search results are displayed as cards. The first card, titled 'Mr-Robot: 1', features a terminal window image showing boot logs and a description: 'Based on the show, Mr. Robot. This VM has three keys hidden in different locations. Your goal is to find more...'. It is dated '28 Jun 2016 by Leon Johnson'. The second card, titled 'LemonSqueezy', features a document image and a description: 'This is a beginner style to ones I pers Robot, Lazsysadr more...'. It is dated '26 Apr 2020 by James'.



Vulnhub

Download

[Back to the Top](#)

Please remember that VulnHub is a free community resource so we are unable to check the machines that are provided to us. Before you download, please read our FAQs sections dealing with the dangers of running unknown VMs and our suggestions for "protecting yourself and your network. If you understand the risks, please download!

mrRobot.ova (Size: 704MB)

Download (Mirror): <https://download.vulnhub.com/mrrobot/mrRobot.ova>

Download (Torrent): <https://download.vulnhub.com/mrrobot/mrRobot.ova.torrent> ([U](#) Magnet)

[?](#)

Description

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Based on the show, Mr. Robot.

This VM has three keys hidden in different locations. Your goal is to find all three. Each key is progressively difficult to find.

The VM isn't too difficult. There isn't any advanced exploitation or reverse engineering. The level is considered beginner-intermediate.

[?](#)

File Information

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Filename: mrRobot.ova

File size: 704MB

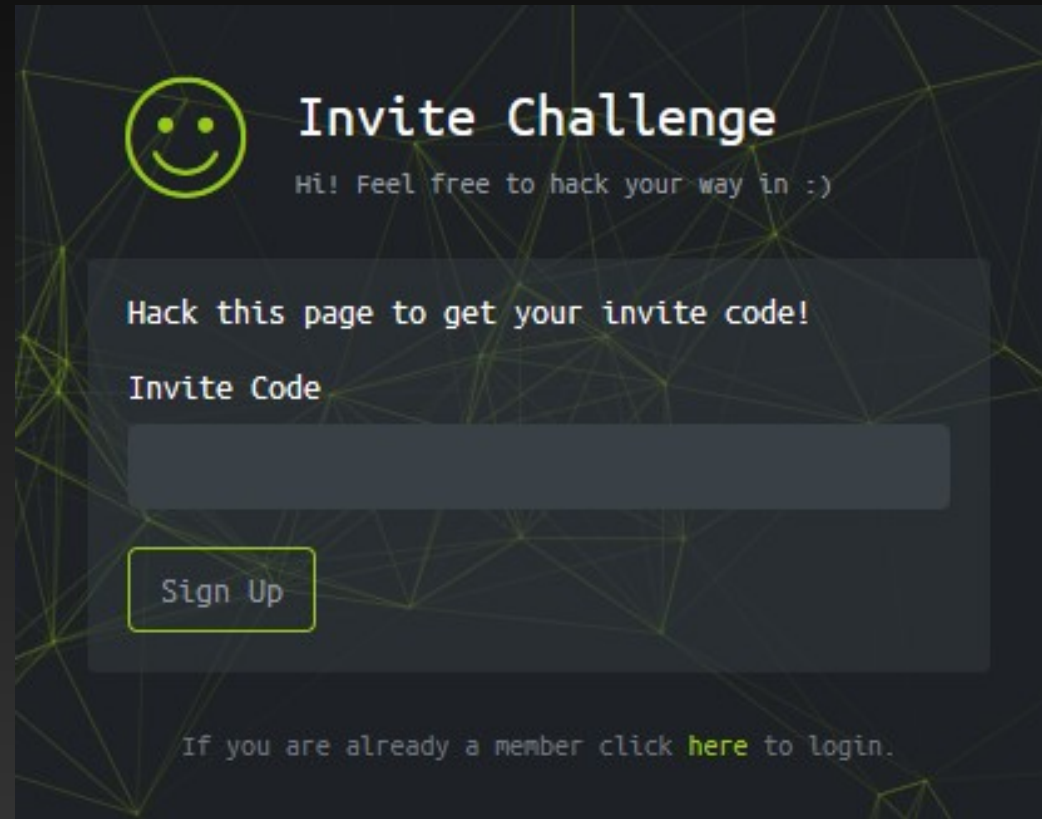
MD5: BC02C42815EAC4E872D753E1FD12DDC8

SHA1: DC0EB84DA4C62284C688590EE092868CE84A09AB

[?](#)

HackTheBox

- Aimed at intermediate to expert level
- Hosts online virtual machines to hack
- Offers VIP service



HackTheBox

ACTIVE MACHINES

RETIRED MACHINES

MACHINES TO-DO LIST

+

SUBMIT MACHINE

Q

Search active machines...

STATUS














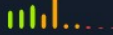




BOTH

SORT BY

1

DIFFICULTY

OS

MACHINE	DIFFICULTY RATING	RATING	USER OWNS	SYSTEM OWNS	
<div> <div>  <div> <div>Dyplsher</div> <div>INSANE</div> </div> </div> </div>		<div> <div>☆</div> <div>4.2</div> </div>	<div> <div>👤</div> <div>1166</div> </div>	<div> <div>#</div> <div>1000</div> </div>	>
<div> <div>  <div> <div>Fuse</div> <div>MEDIUM</div> </div> </div> </div>		<div> <div>☆</div> <div>3.7</div> </div>	<div> <div>👤</div> <div>3467</div> </div>	<div> <div>#</div> <div>2621</div> </div>	>
<div> <div>  <div> <div>Tabby</div> <div>EASY</div> </div> </div> </div>		<div> <div>☆</div> <div>4.2</div> </div>	<div> <div>🚩</div> <div>9309</div> </div>	<div> <div>🚩</div> <div>7996</div> </div>	>
<div> <div>  <div> <div>RopeTwo</div> <div>INSANE</div> </div> </div> </div>		<div> <div>☆</div> <div>4.8</div> </div>	<div> <div>👤</div> <div>41</div> </div>	<div> <div>#</div> <div>32</div> </div>	>
<div> <div>  <div> <div>Intense</div> <div>HARD</div> </div> </div> </div>		<div> <div>☆</div> <div>4.4</div> </div>	<div> <div>👤</div> <div>798</div> </div>	<div> <div>#</div> <div>569</div> </div>	>
<div> <div>  <div> <div>SneakyMailer</div> <div>MEDIUM</div> </div> </div> </div>		<div> <div>☆</div> <div>3.9</div> </div>	<div> <div>👤</div> <div>2906</div> </div>	<div> <div>#</div> <div>2882</div> </div>	>
<div> <div>  <div> <div>Buff</div> <div>EASY</div> </div> </div> </div>		<div> <div>☆</div> <div>3.6</div> </div>	<div> <div>🚩</div> <div>12541</div> </div>	<div> <div>🚩</div> <div>5253</div> </div>	>
<div> <div>  <div> <div>OpenKeyS</div> <div>MEDIUM</div> </div> </div> </div>		<div> <div>☆</div> <div>3.6</div> </div>	<div> <div>🚩</div> <div>3582</div> </div>	<div> <div>🚩</div> <div>3450</div> </div>	>
<div> <div>  <div> <div>Unbalanced</div> <div>HARD</div> </div> </div> </div>		<div> <div>☆</div> <div>4.6</div> </div>	<div> <div>👤</div> <div>1478</div> </div>	<div> <div>#</div> <div>1425</div> </div>	>



Today's Activity

<https://play.picoctf.org>

