

Description

Someone might have hidden the password in the trace file. Find the key to unlock [this file](#). [This tracefile](#) might be good to analyze.

Hints

- Download the pcap and look for the password or flag.
- Don't try to use a password cracking tool, there are easier ways here.

Solución

```
└─(kali㉿kali)-  
[~/.../parciales/parcial_02/parte_03_forensic_01/find_and_open]  
└─$ wget https://artifacts.picoctf.net/c/496/flag.zip  
--2024-11-06 01:23:29-- https://artifacts.picoctf.net/c/496/flag.zip  
Resolving artifacts.picoctf.net (artifacts.picoctf.net)... 3.161.55.64,  
3.161.55.26, 3.161.55.61, ...  
Connecting to artifacts.picoctf.net  
(artifacts.picoctf.net)|3.161.55.64|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 231 [application/octet-stream]  
Saving to: 'flag.zip'  
  
flag.zip                               100%[=====>]           231    --.-KB/s  
in 0s  
  
2024-11-06 01:23:30 (113 MB/s) - 'flag.zip' saved [231/231]
```

```
└─(kali㉿kali)-  
[~/.../parciales/parcial_02/parte_03_forensic_01/find_and_open]  
└─$ wget https://artifacts.picoctf.net/c/496/dump.pcap  
--2024-11-06 01:23:38-- https://artifacts.picoctf.net/c/496/dump.pcap  
Resolving artifacts.picoctf.net (artifacts.picoctf.net)... 3.161.55.100,  
3.161.55.61, 3.161.55.26, ...  
Connecting to artifacts.picoctf.net  
(artifacts.picoctf.net)|3.161.55.100|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 7413 (7.2K) [application/octet-stream]  
Saving to: 'dump.pcap'  
  
dump.pcap 100%[=====>] 7.24K --.-KB/s
```

in 0.001s

2024-11-06 01:23:39 (4.96 MB/s) - 'dump.pcap' saved [7413/7413]

└─(kali⊗kali)-

[~/.../parciales/parcial_02/parte_03_forensic_01/find_and_open]

└─\$ ls

dump.pcap find-and-open.md flag.zip

└─(kali⊗kali)-

[~/.../parciales/parcial_02/parte_03_forensic_01/find_and_open]

└─\$ wireshark dump.pcap &

[1] 44330

└─(kali⊗kali)-

[~/.../parciales/parcial_02/parte_03_forensic_01/find_and_open]

└─\$ unzip flag.zip

Archive: flag.zip

[flag.zip] flag password:

Wireshark packet capture analysis of dump.pcap. The interface shows a list of 47 Ethernet II frames. Packet 23 is selected, showing its details and raw data. The raw data for packet 23 is highlighted with a red box, showing a flag '1BwaWNVQ 1RGe1Cou' and the text 'ld the f lag have been sp lifted?'. Packet 48 is also selected, showing its details and raw data. The raw data for packet 48 is highlighted with a red box, showing a flag 'AABBBHPJ GTFRLKVG' and the text 'hpcyBpcy B0aGUgc2 VjcmV001 BwaWNVQ1 RGe1IzNE RJTKdfTE 9LZF8='.

49 48.459761	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II	
50 48.661266	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II	
51 48.862635	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II	
52 49.064175	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II	
53 49.265187	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II	
54 49.466479	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II	
55 49.668273	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II	
56 49.870142	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II	
57 50.071679	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II	
58 54.127349	76:51:31:52:47:65	50:42:77:61:57:55	0x314d	46 Ethernet II	
59 54.329337	76:51:31:52:47:65	50:42:77:61:57:55	0x314d	46 Ethernet II	
60 54.531171	76:51:31:52:47:65	50:42:77:61:57:55	0x314d	46 Ethernet II	
▶ Frame 50: 49 bytes on wire (392 bits), 49 bytes captured (392 bits) ▶ Ethernet II, Src: 76:51:31:52:47:65 (76:51:31:52:47:65), Dst: 50:42:77:61:57:55 (50:42:77:61:57:61:57:55) ▶ Data (35 bytes)					0000 50 42 77 61 57 55 76 51 31 52 47 65 73 61 62 61 0010 62 61 62 6b 6a 61 41 53 4b 42 4b 53 42 41 43 56 0020 56 41 56 53 44 44 53 53 53 53 44 53 4b 4a 42 4a 0030 53

PBwawlvQ 1RGesaba
 babkjaAS KBKSBACV
 VAVSDDSS SSDSKJBJ
 S

Al inspeccionar los paquetes encontramos algunas referencias, que pudieran darnos la clave para descomprimir el .zip se observan cadenas que pudieran estar en base64 .

44	14.472105	76:51:31:52:47:65	69:42:77:61:57:4e	0x3143	47 Ethernet II
45	14.673443	76:51:31:52:47:65	69:42:77:61:57:4e	0x3143	47 Ethernet II
46	14.874381	76:51:31:52:47:65	69:42:77:61:57:4e	0x3143	47 Ethernet II
47	15.075729	76:51:31:52:47:65	69:42:77:61:57:4e	0x3143	47 Ethernet II
48	24.240874	50:4a:47:54:46:52	41:41:42:42:48:48	0x4c4b	70 Ethernet II
49	48.459761	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II
50	48.661266	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II
51	48.862635	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II
52	49.064175	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II
53	49.265187	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II
54	49.466479	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II
55	49.668273	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II
56	49.870142	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II
57	50.071670	76:51:31:52:47:65	50:42:77:61:57:55	0x7361	49 Ethernet II
58	54.127340	76:51:31:52:47:65	50:42:77:61:57:55	0x314d	46 Ethernet II
59	54.329337	76:51:31:52:47:65	50:42:77:61:57:55	0x314d	46 Ethernet II
60	54.531171	76:51:31:52:47:65	50:42:77:61:57:55	0x314d	46 Ethernet II
61	54.733158	76:51:31:52:47:65	50:42:77:61:57:55	0x314d	46 Ethernet II
62	54.934646	76:51:31:52:47:65	50:42:77:61:57:55	0x314d	46 Ethernet II
63	55.136085	76:51:31:52:47:65	50:42:77:61:57:55	0x314d	46 Ethernet II
64	55.336962	76:51:31:52:47:65	50:42:77:61:57:55	0x314d	46 Ethernet II
65	55.538161	76:51:31:52:47:65	50:42:77:61:57:55	0x314d	46 Ethernet II
66	56.484261	172.16.93.1	224.0.0.251	MDNS	132 Standard qu
67	56.484489	fe80::e0b5:5fff:fe3...	ff02::fb	MDNS	152 Standard qu
68	56.490507	172.16.93.2	224.0.0.251	MDNS	414 Standard qu
69	56.490507	172.16.93.2	224.0.0.251	MDNS	327 Standard qu

Frame 48: 70 bytes on wire (560 bits), 70 bytes captured (560 bits) on interface 0
 Ethernet II, Src: 50:4a:47:54:46:52 (50:4a:47:54:46:52), Dst: 41:41:42:42:48:48 (41:41:42:42:48:48)
 Data (56 bytes)
 Data: 564768706379427063794230614755676332566a636d56304f69427761574e76513152476531497a4e45524a546b64665445394c5a46383d

Expand Subtrees
 Collapse Subtrees
 Expand All
 Collapse All
 Apply as Column Ctrl+Shift+I
 Apply as Filter
 Prepare as Filter
 Conversation Filter
 Colorize with Filter
 Follow
 Copy
 Show Packet Bytes... Ctrl+Shift+O
 Export Packet Bytes... Ctrl+Shift+X
 Wiki Protocol Page
 Filter Field Reference
 Protocol Preferences
 Decode As... Ctrl+Shift+U
 Go to Linked Packet
 Show Linked Packet in New Window

52 4c 4b 55 47 AABBBHPJ GTFRLKVG
 47 55 67 63 32 hpcyBpcy B8aGugc2
 57 4e 76 51 31 VjcmV001 BwaWNVQ1
 6b 64 66 54 45 RGe1IzNE RJtkdfTE
 9LZF8=

Recipe ^ [Icons]

From Hex ^ [Icons]

Delimiter
Auto

From Base64 ^ [Icons]

Alphabet
A-Za-z0-9+/=

☒ Remove non-alphabet chars

☐ Strict mode

Input

564768706379427063794230614755676332566a636d56304f69427761574e76513152476531497a4e45524a546b64665445394c5a46383d

Output

This is the secret: picoCTF{R34DING_LOKd}

```

└─(kali@kali)-
  [~/.../parciales/parcial_02/parte_03_forensic_01/find_and_open]
  └─$ unzip flag.zip
  Archive:  flag.zip
  [flag.zip] flag password: picoCTF{R34DING_LOKd_
  extracting: flag

```

```
└─(kali㉿kali)-  
[~/.../parciales/parcial_02/parte_03_forensic_01/find_and_open]  
└─$ cat flag  
picoCTF{R34DING_L0Kd_fil56_succ3ss_5ed3a878}
```

Bandera

```
flag: picoCTF{R34DING_L0Kd_fil56_succ3ss_5ed3a878}
```

Notas Adicionales

Referencias

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