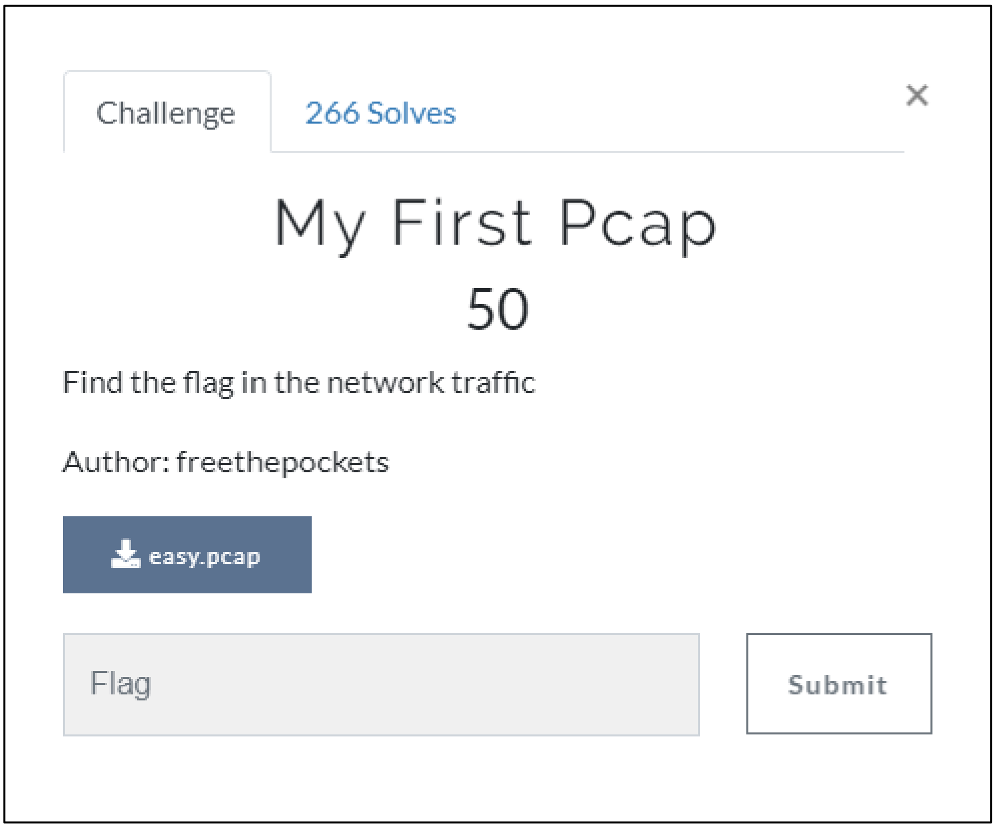
Forensics : My First Pcap 50

Description : Find the flag in the network traffic

Attachment : easy.pcap



My First Pcap

50

Find the flag in the network traffic

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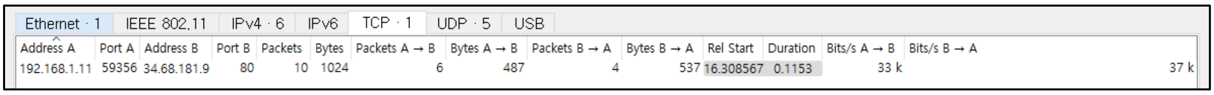
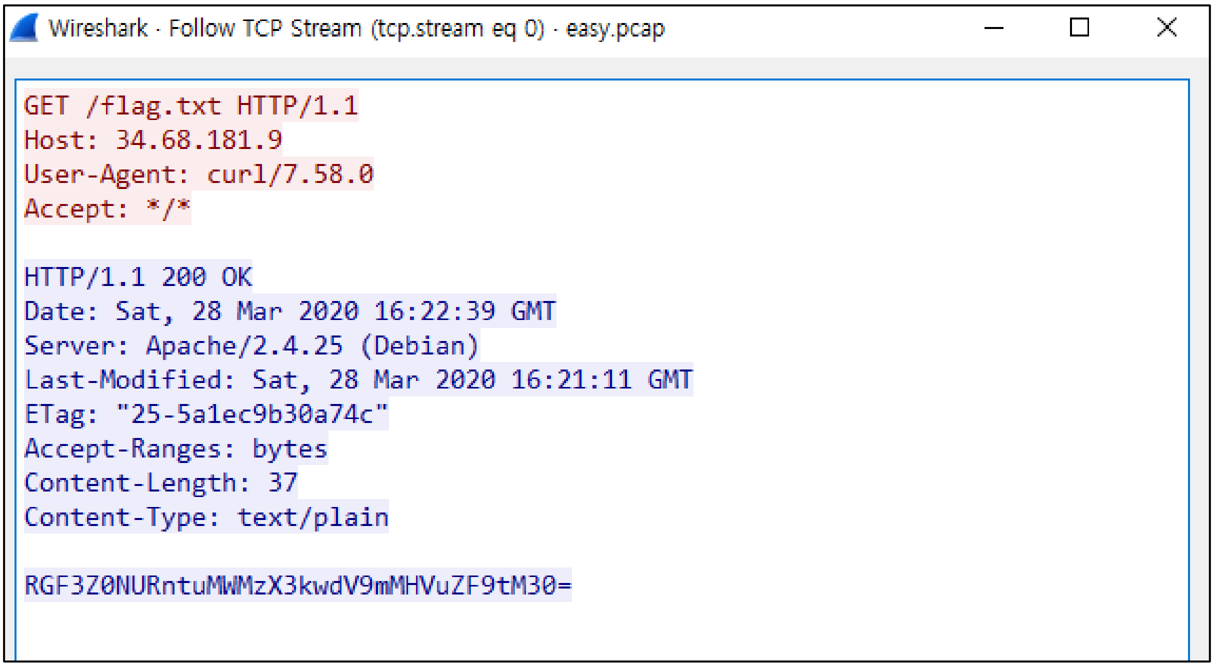
Solutions :

1. Opening Attachment file in WireShark.
2. Check the packet in conversation.



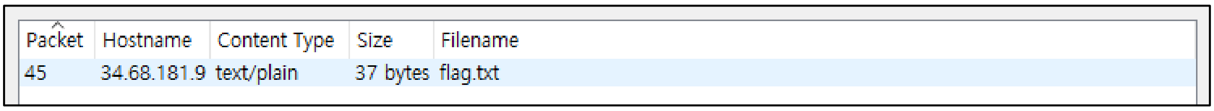
Address A	Port A	Address B	Port B	Packets	Bytes	Packets A → B	Bytes A → B	Packets B → A	Bytes B → A	Rel Start	Duration	Bits/s A → B	Bits/s B → A
192.168.1.11	59356	34.68.181.9	80	10	1024	6	487	4	537	16.308567	0.1153	33 k	37 k

3. See the packet movement in TCP and follow stream.



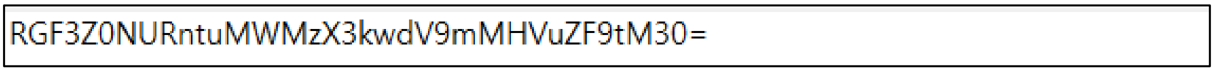
```
GET /flag.txt HTTP/1.1
Host: 34.68.181.9
User-Agent: curl/7.58.0
Accept: */*

HTTP/1.1 200 OK
Date: Sat, 28 Mar 2020 16:22:39 GMT
Server: Apache/2.4.25 (Debian)
Last-Modified: Sat, 28 Mar 2020 16:21:11 GMT
ETag: "25-5a1ec9b30a74c"
Accept-Ranges: bytes
Content-Length: 37
Content-Type: text/plain

RGF3Z0NURntuMWMzX3kwdV9mMHVuZF9tM30=
```

4. Extract flag.txt file.



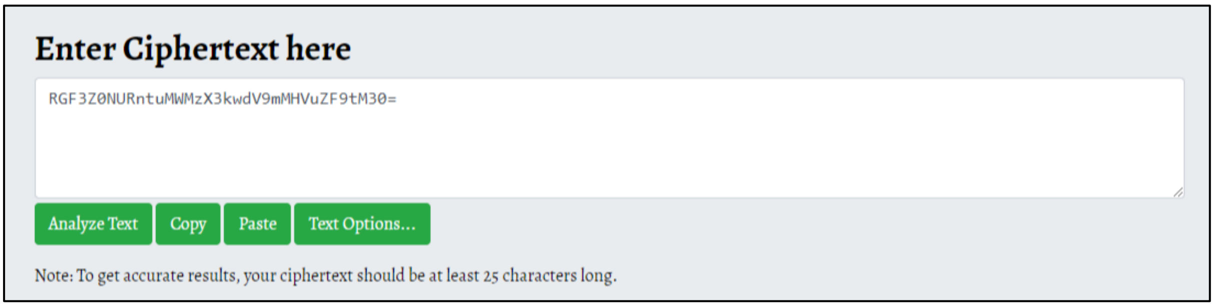
Packet	Hostname	Content Type	Size	Filename
45	34.68.181.9	text/plain	37 bytes	flag.txt

5. The contents of the file are the same as those found in the packet.



```
RGF3Z0NURntuMWMzX3kwdV9mMHVuZF9tM30=
```

6. However, since the flag is encrypted, the encryption type is detected and decrypted.

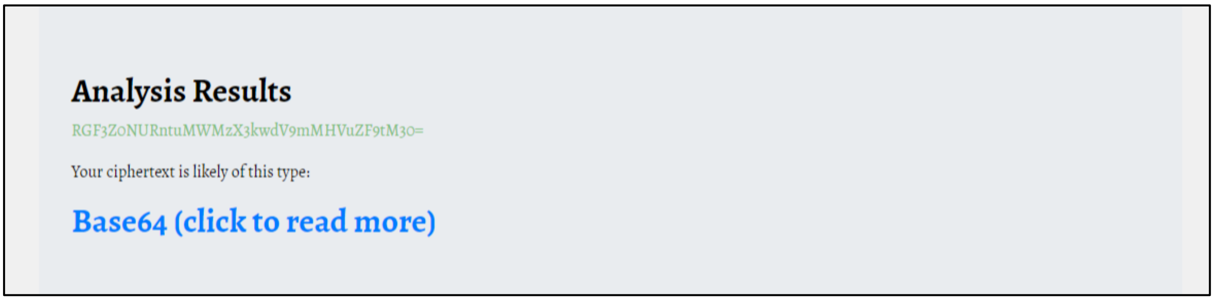


Enter Ciphertext here

```
RGF3Z0NURntuMWMzX3kwdV9mMHVuZF9tM30=
```

Note: To get accurate results, your ciphertext should be at least 25 characters long.

7. Encryption type is Base64.



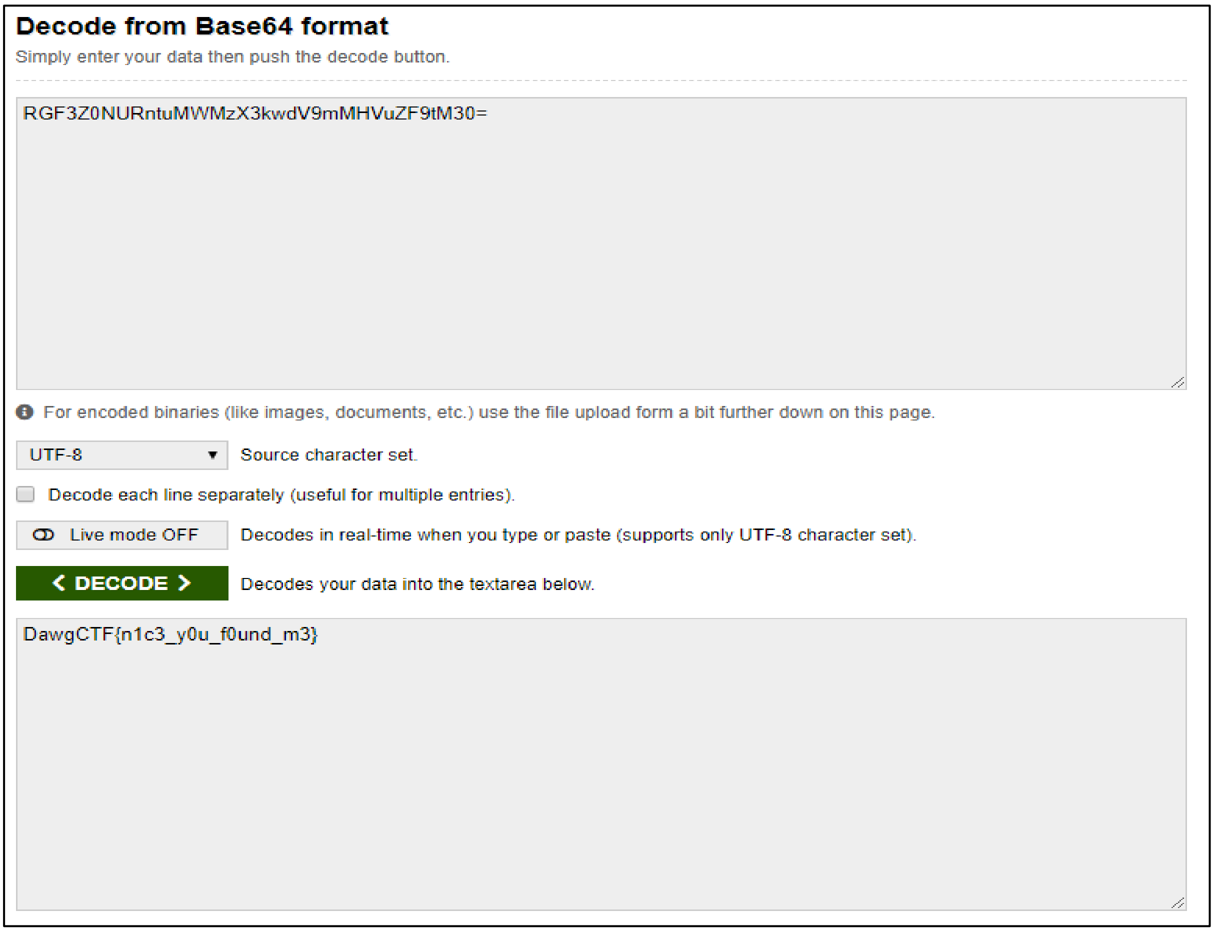
Analysis Results

RGF3Z0NURntuMWMzX3kwdV9mMHVuZF9tM30=

Your ciphertext is likely of this type:

Base64 (click to read more)

8. Thus, when decrypting this ciphertext, the flag is appeared.



Decode from Base64 format

Simply enter your data then push the decode button.

```
RGF3Z0NURntuMWMzX3kwdV9mMHVuZF9tM30=
```

For encoded binaries (like images, documents, etc.) use the file upload form a bit further down on this page.

UTF-8 Source character set.

□ Decode each line separately (useful for multiple entries).

Live mode OFF Decodes in real-time when you type or paste (supports only UTF-8 character set).

Decodes your data into the textarea below.

```
DawgCTF{n1c3_y0u_f0und_m3}
```

9. Flag is **DawgCTF{n1c3_y0u_f0und_m3}**

Flag : DawgCTF{n1c3_y0u_f0und_m3}