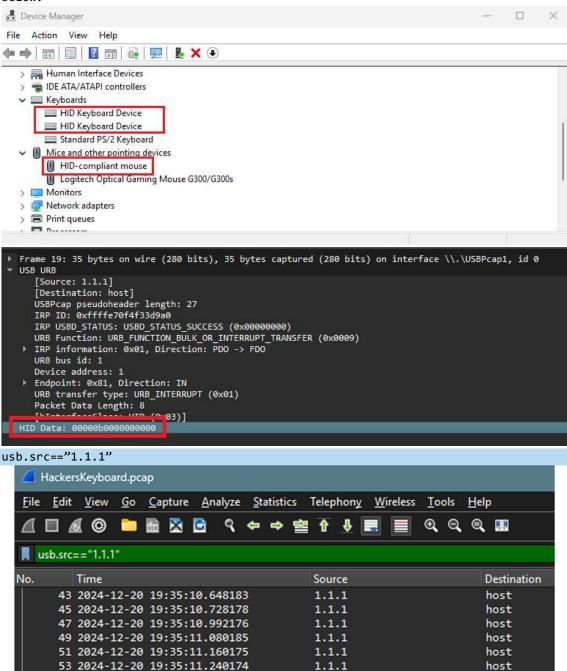


KEYBOARD HACKERS

Description:

My hacker friend gave me this file saying that he hacked my keyboard. I have no idea what he means. Can you make sense of this file?

This packet capture (PCAP) shows the communication between a USB Human Interface Device (HID) and the host system. The captured data includes the exchange of HID reports, which are the primary method for transmitting input data such as keystrokes or mouse movements between the device and the computer. Example the image shown below.



host

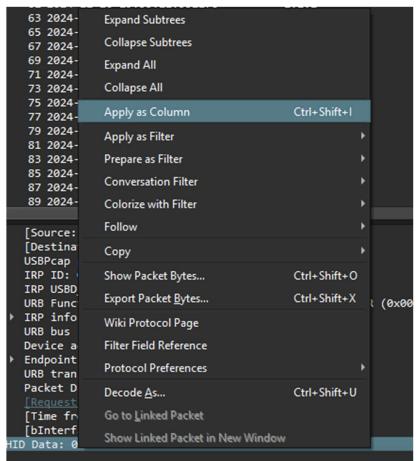
55 2024-12-20 19:35:11.344175

1.1.1

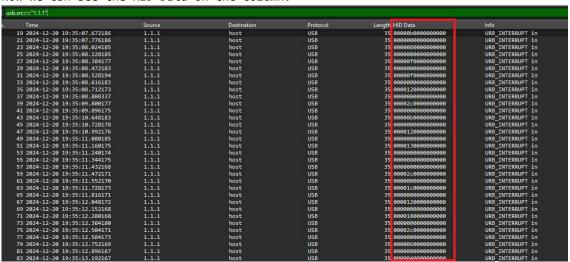
1.1.1



HID devices communicate by sending packets that contain data in specific report formats. These packets are transmitted using periodic transfer types and are typically acknowledged by the host system. Hence we can put it in column to see the HID Data

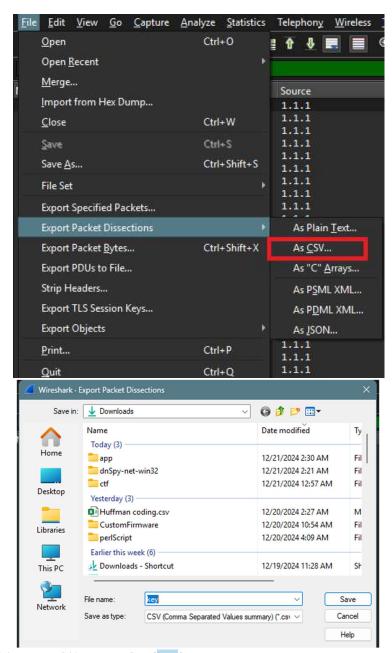


Now we can see the HID Data on the column.



Save as CSV





Name to anything you like example 'key'



E	F	G	Н	1
ocol	Length	HID Data	Info	
	35	00000ь0000000000	URB_INTE	RRUPT in
	35	0000000000000000	URB_INTE	RRUPT in
	35	0000080000000000	URB_INTE	RRUPT in
	35	00000000000000000	URB_INTE	RRUPT in
	35	00000f0000000000	URB_INTE	RRUPT in
	35	0000000000000000	URB_INTE	RRUPT in
	35	00000f0000000000	URB_INTE	RRUPT in
	35	00000000000000000	URB_INTE	RRUPT in
	35	00001200000000000	URB_INTE	RRUPT in
	35	00000000000000000	URB_INTE	RRUPT in
	35	00002c0000000000	URB_INTE	RRUPT in
	35	00000000000000000	URB_INTE	RRUPT in
	35	00000ь0000000000	URB_INTE	RRUPT in
	35	0000000000000000	URB_INTE	RRUPT in
	35	00001200000000000	URB_INTE	RRUPT in

Copy the HID Data only and save it in .txt
For the script. I'm using the script getting from this: Decoding Mixed Case USB
Keystrokes from PCAP

```
-(osiris@ALICE)-[~/Downloads/CTF/STOUTCTF/Hacker_Keyboard]
_$ cat hidcap.txt | head
0000060000000000
0000000000000000
0000080000000000
0000000000000000
00000f0000000000
0000000000000000
00000f0000000000
0000000000000000
00001200000000000
0000000000000000
   -(osiris@ALICE)-[~/Downloads/CTF/STOUTCTF/Hacker_Keyboard]
 -$ python solver.py hidcap.txt
hello hope you can get this flag:) stoutctf{by3yfbitp3vs1ecx6ery}good luck
   (osiris@ALICE)-[~/Downloads/CTF/STOUTCTF/Hacker_Keyboard]
```

Flag STOUTCTF{BY3YFBITP3VS1ECX6ERY}