

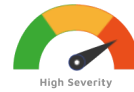
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## D-Link Router DIR-885L-MFC Telnet Hardcoded Credentials

AFFECTED  
VENDOR  
D-Link

STATUS  
Fixed

DATE  
Aug 17, 2020



[Description](#) [Proof of concept \(POC\)](#) [Impact](#) [Remediations](#) [Timeline](#)

### Description

The D-link router DIR-885L-MFC 1.15b02, v1.21b05 is vulnerable to credentials disclosure in telnet service through decompilation of firmware, that allows an unauthenticated attacker to gain access to the firmware and to extract sensitive data.

### Proof of concept: (POC)

#### Issues:

The telnet hardcoded default credentials are the vulnerable elements in the firmware of DIR-866L.

**Step 1:** Extract the firmware

**Step 2:** Run the command cat etc/init0.d/S80telnetd.sh to get the username and the location of the variable used for storing the password.

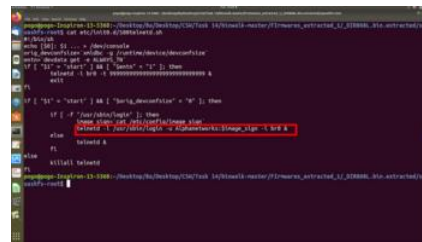


Figure 1: Clear text username as shown in screenshots

**Step 3:** Run the command cat etc/config/image\_sign to get the password

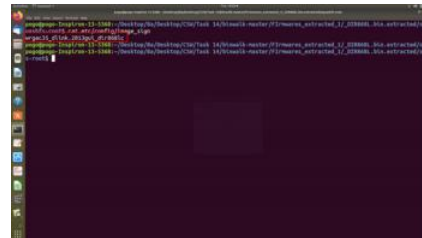


Figure 2: Clear text password as shown in screenshots

### Impact

A successful exploit could allow the attacker to gain access to the firmware and to extract sensitive data.

### Remediations

D-Link released a support announcement in response to the recommendations provided by the CSW team for these D-Link products  
<https://supportannouncement.us.dlink.com/announcement/publication.aspx?name=SAP10189>

### Timeline

**Aug 17, 2020:** Discovered in our research lab

**Aug 18, 2020:** Vulnerability reported to vendor and vendor acknowledged the vulnerability

**Aug 20, 2020:** Vendor responded saying "elevated to D-Link Corporation".

**Aug 26, 2020:** Follow up

**Aug 28, 2020:** Vendor responded saying "should have an update in next few Days"

**Sep 4, 2020:** Follow up

**Sep 7, 2020:** Vendor responded saying need more time to review and response from R&D

**Sep 10, 2020:** Vendor responded with a support announcement.

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### Discovered by

Cyber Security Works Pvt. Ltd.

#### Affected Vendor

D-Link

#### Bug Name

Telnet Hardcoded Credentials

#### CVE Number

[CVE-2020-29323](#)

#### CWE ID

CWE -798

#### CSW ID

2020-CSW-08-1048

#### CVSSv3 Score

8.1

#### Affected Version

1.15b02

#### Severity

High

#### Affected Product

D-Link Router DIR-885L-MFC



Talk to CSW's team of experts to secure your landscape.

[Schedule free consultation](#)



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