

master

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advisories / CVEs / CVE-2021-40149.txt



MrTuxracer Minor fixes

History

1 contributor

83 lines (62 sloc) | 2.7 KB

...

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1 RCE Security Advisory
2 https://www.rcesecurity.com
3
4
5 1. ADVISORY INFORMATION
6 =====
7 Product:      Reolink E1 Zoom Camera
8 Vendor URL:   https://reolink.com/product/e1-zoom/
9 Type:         Exposure of Sensitive Information to an Unauthorized Actor [CWE-200]
10 Date found:   2021-08-26
11 Date published: 2022-06-01
12 CVSSv3 Score: 7.5 (CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:N)
13 CVE:         CVE-2021-40149
14
15
16 2. CREDITS
17 =====
18 This vulnerability was discovered and researched by Julien Ahrens from
19 RCE Security.
20
21
22 3. VERSIONS AFFECTED
23 =====
24 Reolink E1 Zoom Camera 3.0.0.716 (latest) and below
25
26
27 4. INTRODUCTION
28 =====
29 Meet new generation of Reolink E1 series. Advanced features - 5MP Super
30 HD & optical zoom are added into this compact camera. Plus two-way audio,
31 remote live view and more smart capacities help you connect with what you
32 care. Be closer to families and be away from worries.
33
34 (from the vendor's homepage)
35
36
37 5. VULNERABILITY DETAILS
38 =====
39 The web server of the E1 Zoom camera through 3.0.0.716 discloses its SSL private
40 key via the root web server directory.
41
42 An unauthenticated attacker can abuse this with network-level access to the
43 camera to download the webserver's private SSL key by simply going to the
44 following URL:
45
46 http://[CAM-IP]/self.key
47
48
49 6. RISK
50 =====
51 An unauthenticated attacker can download the webserver's SSL private key and
52 thereby attack the encrypted network traffic to and from the camera, which might
53 lead to the disclosure of the administrative access credentials and other
54 sensitive information.
55
56
57 7. SOLUTION
58 =====
59 None.
60
61
62 8. REPORT TIMELINE
63 =====
64 2021-08-26: Discovery of the vulnerability
65 2021-08-26: Sent notification to Reolink via their support channel
66 2021-08-26: Response from vendor asking for vulnerability details
67 2021-08-26: Sent all the vulnerability details
68 2021-08-31: Vendor is still looking into the issue
69 2021-09-03: Vendor states that the issue will be fixed by the end of September.
70 2021-10-01: Since no firmware has been released, we've sent another notification
71 2021-10-02: Vendor states that the new firmware is delayed
72 2022-02-01: Since there is still fix, sent another notification
73 2022-02-02: Vendor states that the firmware with the fix hasn't been released yet.
74 2022-03-03: Since there is still fix, sent another notification
75 2022-03-12: Vendor states they're still working on the issue (internal update awaits testing)
76 2022-05-24: Since there is still fix, sent another notification
77 2022-05-24: Vendor states that the update still hasn't been released yet.
78 2022-06-01: Almost a year should be enough to fix this. Public disclosure.
```

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80

81 9. REFERENCES

82 =====

83 <https://github.com/MrTuxracer/advisories>