

win3zz / CVE-2023-43261

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win3zz

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CVE-2023-43261.py

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README

CVE-2023-43261 - PoC

Critical Vulnerability Exposes Sensitive Information and Enables Unauthorized Access in Milesight Routers

- Date:** 1 October 2023
- Vendor of the product:** [Milesight](#) (Formerly Xiamen Ursalink Technology Co., Ltd.)
- Affected Products:** UR5X, UR32L, UR32, UR35, UR41 and there might be other Industrial Cellular Routers that could also be vulnerable.
- Affected Firmware:** I've confirmed the patch for firmware v35.3.0.7. Earlier versions may be vulnerable, but vendor confirmation is needed. I have made the request, but I have not received a response yet.
- Severity:** 7.3/10 - High

A critical security vulnerability has been identified in Milesight Industrial Cellular Routers, compromising the security of sensitive credentials and permitting unauthorized access. This vulnerability stems from a misconfiguration that results in directory listing being enabled on the router systems, rendering log files publicly accessible. These log files, while containing sensitive information such as admin and other user passwords (encrypted as a security measure), can be exploited by attackers via the router's web interface. The presence of a hardcoded AES secret key and initialization vector (IV) in the JavaScript code further exacerbates the situation, facilitating the decryption of these passwords. This chain of vulnerabilities allows malicious actors to gain unauthorized access to the router.

Usage

Run the script with the following command, replacing `<URL>` with your target URL.

```
foo@bar:~$ python3 CVE-2023-43261.py <URL>
```

Run the script with the following command to process a list of URLs in the file:

```
foo@bar:~$ python3 CVE-2023-43261.py -f list_urls.txt
```

About

CVE-2023-43261 - Credential Leakage Through Unprotected System Logs and Weak Password Encryption

cve-2023-43261

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Python 100.0%

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