

## SECURITY ADVISORY

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### CVE-2022-0543 Redis Lua sandbox escape

#### Revision history:

Date	Rev.	Description
13.12.2023.	1	[DFL] Initial release

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## 1. INTRODUCTION

A critical vulnerability in Redis (persistent key-value database) identified by CVE-2022-0543 has been publicly disclosed in 2022. Due to the packaging issue, this vulnerability is prone to Debian specific Lua sandbox escape which could result in remote code execution.

On 12<sup>th</sup> of December 2023. Schneider Electric released Security notification alert stating that this vulnerability is affecting Plant iT products v9.60 and above: *It was discovered, that Redis, a persistent key-value database, due to a packaging issue, is prone to a Lua sandbox escape, which could result in remote code execution. Note: The original CVE description from Redis has been modified in the context of Plant iT.*

According to currently available information, this vulnerability only affects Redis installations on the Debian operating system. It is not clear how the vulnerability affects Redis installations on Microsoft Windows operating systems, the only operating system compatible with the Plant iT product.

Montelektro is currently checking with ProLeiT whether and in what way this vulnerability affects our customers' Plant iT systems. This security advisory will be updated with steps our customers can take to mitigate the vulnerability as soon as we receive confirmation from ProLeiT that the vulnerability also applies to Microsoft Windows operating systems.

## 2. REFERENCES

NIST. (2023, November 29). *CVE-2022-0543 Detail*. Retrieved from National Vulnerability Database:  
<https://nvd.nist.gov/vuln/detail/CVE-2022-0543>

Schneider Electric. (2023, December 12). *Security notifications*. Retrieved from Cybersecurity support portal:  
[https://download.schneider-electric.com/files?p\\_Doc\\_Ref=SEVD-2023-346-02&p\\_enDocType=Security+and+Safety+Notice&p\\_File\\_Name=SEVD-2023-346-02.pdf](https://download.schneider-electric.com/files?p_Doc_Ref=SEVD-2023-346-02&p_enDocType=Security+and+Safety+Notice&p_File_Name=SEVD-2023-346-02.pdf)