Drägerwerk AG & Co.KGaA, 23542 Lübeck

Our reference
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Vulnerability and Incident Reporting
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Dräger Product Security Advisory PSA-21-061-1

Dräger CC-Vision Security Vulnerabilities

Legal Notice

This Product Security Advisory is based on all our findings that we had at the time of publication. However, the facts of the case are being reviewed on an ongoing basis and it is possible that this may result in changed assessments or that assessments contained in this advisory may turn out to be incorrect. We also reserve the right to change or revoke any recommendations. In addition, differences may result from the circumstances of the individual case on site. This information is naturally not available to us and has not been taken into account. Dräger can therefore accept no responsibility that the information presented here is conclusive or comprehensively correct for you. Therefore, please check carefully to what extent deviations can arise for your individual case. If necessary, you will be informed about new findings through following advisories.

1 Publication Date

2021-03-02

2 Overview

Security Vulnerabilities have been identified in the CC-Vision Basic and CC-Vision E-Cal Software. The vulnerabilities can lead to malicious code execution upon loading / opening device files.

The full text of this advisory can be accessed through https://static.draeger.com/security.

3 Affected Products

The following Dräger devices are affected by these vulnerabilities:

- Dräger CC-Vision Basic version 7.5.2 and prior software versions.
- Dräger CC-Vision E-Cal version 7.2.4.8 and prior software versions.

4 How to verify if the product is affected

Information of version number of CC-Vision Basic and CC-Vision E-Cal is visible in title bar and info screen.

All CC-Vision Basic versions prior to version 7.5.2 and all CC-Vision E-Cal versions prior to version 7.2.4.8 are affected.

5 Vulnerability Description

Malicious Code Execution

A buffer can overflow while loading .gdt files.

➔ CWE-787: Out-of-bounds Write

6 Impact

By crafting a malicious .gdt file an attacker can cause the application to crash or execute malicious code on the system.

7 Severity

CVSS 3.1 Score

Base Score:	8.2
Severity:	High
Vector:	CVSS:3.1/AV:L/AC:L/PR:N/UI:R/S:C/C:N/I:H/A:H

8 Remediation

The software has been patched to mitigate the vulnerability. Customers are urged to install the fixed versions as soon as possible:

- Dräger CC-Vision Basic software version 7.5.3 or higher
- Dräger CC-Vision E-Cal software version 7.2.5.0 or higher

In the meantime, customers are urged to open verify the origin of .gdt files prior to opening them with Dräger CC-Vision.

9 Credit

Dräger would like to thank Mario Ceballos for finding and reporting these vulnerabilities to us!

10 Contact Information

If you have any further questions related to the impact of the vulnerabilities, please contact your designated regional marketing manager. For reporting incidents and potential vulnerabilities in our devices, please refer to https://static.draeger.com/security to contact the Product Security team directly.

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11 Revision History

VERSION	DATE	COMMENTS
1.0	2021-03-02	Initial Advisory

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