



Applicability of MbedTLS vulnerabilities on STM32Cube packages

Overview

This security bulletin pertains to the applicability of MbedTLS vulnerabilities on STM32Cube packages.

Description

The open source MbedTLS software component is redistributed inside some of the STM32Cube packages, for example STM32Cube Expansion packages (X-CUBE, I-CUBE) and function packs (STSW, FPs). This means that the vulnerabilities reported by TrustedFirmware.org available at <https://mbed-tls.readthedocs.io/en/latest/security-advisories/> are applicable to the STM32Cube packages supporting MbedTLS.

To know if an STM32Cube package is impacted, check if MbedTLS software component is redistributed in your package. If so, check the version of MbedTLS to understand which vulnerabilities are applicable to your STM32Cube package.

Software component relative path	File to read to get MbedTLS version used in the package
./Middlewares/Third_Party/mbedtls	st_readme.txt
./Middlewares/Third_Party/mbedtls-crypto	st_readme.txt

To fix the vulnerability, reconfigure the affected package with a corrected version of the MbedTLS component, obtained from the MbedTLS web site.

Note: *To be considered by TrustedFirmware.org for early notification as a Trusted Stakeholder, you can follow the procedure described at the following link: https://trusted-firmware-docs.readthedocs.io/en/latest/security_center/incident_handling_process.html#ts-registration-label.*

Contact information

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Revision history

Table 1. Document revision history

Date	Version	Changes
12-Dec-2024	1	Initial version.
20-Mar-2025	2	Corrected clerical error.

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