

Security Advisory 10112022-001

CVE-2022-1292

Initial Publication Date: October 11, 2022

Vulnerability Details:

CVE-2022-1292

- The `c_rehash` script does not properly sanitise shell metacharacters to prevent command injection. This script is distributed by some operating systems in a manner where it is automatically executed. On such operating systems, an attacker could execute arbitrary commands with the privileges of the script. Use of the `c_rehash` script is considered obsolete and should be replaced by the OpenSSL `rehash` command line tool. Fixed in OpenSSL 1.1.1o (Affected 1.1.1-1.1.1n).
- OpenSSL advisory: <https://www.openssl.org/news/secadv/20220503.txt>

CVSS Version 3.X Score: 9.8 Critical

Summary

This issue affects OpenSSL version 1.1.1n. It was addressed and fixed in OpenSSL 1.1.1o on May 3, 2022.

mPower™ operating systems do not use `c_rehash` script, `openssl-rehash` script is used

- CVE-2022-1292 does not impact mPower devices

mLinux operating systems use `c_rehash` script

- CVE-2022-1292 could impact mLinux devices (depending on the customer's application)
- Future mLinux versions will be updated to support OpenSSL version 1.1.1p
 - mLinux 6.1.X will be built using OpenSSL 1.1.1p
 - mLinux 6.0.1 is built using OpenSSL 1.1.1n
 - Previous mLinux versions used OpenSSL 1.1.1b

MultiTech DeviceHQ® - Cloud-based IoT Device Management

- CVE-2022-1292 does not impact MultiTech DeviceHQ
- MultiTech servers have been updated to address this issue

MultiTech LENS® - LoRaWAN® Optimized Embedded Network Server and Key Management Toolset

- CVE-2022-1292 does not impact MultiTech LENS
- MultiTech servers have been updated to address this issue

Customer Action Plan

1. MultiTech recommends that customers update to the operating systems listed in this advisory if c_rehash scripts and CVE-2022-1292 are a concern.
2. Subscribe to MultiTech Security Alerts and Notifications
<https://info.multitech.com/acton/form/27728/000e:d-0001/1/-/-/-/-/index.htm>

Devices and Operating Systems Impacted by CVE-2022-1292

The following table summarizes the devices and operating systems impacted by [CVE-2022-1292](#) and the operating system versions that will be updated to OpenSSL 1.1.1p.

	Device ⁽¹⁾ (Model)	Currently Shipping Operating Systems	Updated Operating Systems (OpenSSL 1.1.1p)
Gateway	Conduit® Programmable (MTCDT)	mLinux 6.0.1	mLinux 6.1.X
Base Station	Conduit® IP67 Base Station (MTCDTIP)	mLinux 6.0.1	mLinux 6.1.X
Access Point	Conduit® AP Access Point (MTCAP, MTCAP2)	mLinux 6.0.1	mLinux 6.1.X

(1) Only MultiTech devices expressly listed in this table are impacted by this advisory

Schedule

	Downloadable	Device Shipments **
mLinux 6.1.X	TBD *	TBD

(*) Image updates are downloadable at <http://www.multitech.net/developer/downloads/>

(**) Devices that ship from MultiTech will include the updated operating system



Additional Information

If you have any questions regarding this Security Advisory, please contact your MultiTech sales representative or visit the technical resources listed below:

World Headquarters – USA

+1 (763) 785-3500 | sales@multitech.com

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An open environment where you can ask development related questions and hear back from MultiTech engineering or a member of this community.

Knowledge Base

<http://www.multitech.com/kb.go>

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support.multitech.com

Create an account and submit a support case directly to our technical support team.

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www.multitech.com

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Revision History

Version	Author	Date	Change Description
-001	DT	10/11/2022	Published version