

Security Bulletin

SUMMARY

CVE: Local Privilege Escalation Vulnerability in Thermo Scientific™ Xcalibur™ and Foundation software

PUBLISHED DATE:

January 22, 2025

CVE NUMBER:

CVE-2024-55957

CVSS 3.1 SCORE:

8.1

SEVERITY:

High

DESCRIPTION

Thermo Fisher Scientific has released a security update for the Thermo Scientific Xcalibur and Foundation software (see Table 1, next page). This update resolves a local privilege escalation vulnerability due to improper access control permissions on Microsoft™ Windows™ systems.

SOLUTION

Thermo Fisher Scientific has released the following security updates to address this vulnerability (see Table 2, next page).

In addition to applying the security update, customers must contact Technical Support to perform additional remediation steps, either onsite or remotely, to mitigate the risk with this vulnerability. Please use the link [here](#) to contact Technical Support in your region.

Additionally, Thermo Fisher Scientific intends to release future versions of Foundation and Xcalibur software. This document will be updated with the updated software links upon release.

For any questions related to the vulnerability, please contact product.security@thermofisher.com.

ACKNOWLEDGEMENTS

Thermo Fisher Scientific would like to thank Tier Zero Security for their identification of the vulnerability covered in this security bulletin.

EXTERNAL REFERENCES

<https://www.cve.org/CVERecord?id=CVE-2024-55957>

Table 1. Affected software

Product	Related affected products
Thermo Scientific Foundation software	<p>All software installations that require Foundation software version 3.1 SP9 and earlier. This includes the following Thermo Scientific software products:</p> <ul style="list-style-type: none"> • Xcalibur Software • TraceFinder™ Software • Chromeleon™ Chromatography Data System (CDS) Software using Thermo Scientific Mass Spectrometers • Orbitrap™ Astral™ Series Instrument Control Software • Orbitrap Tribrid™ Series Instrument Control Software • Orbitrap Exploris™ Series Instrument Control Software • Exactive™ Series Instrument Control Software • Stellar™ Series Instrument Control Software • TSQ™ Series Instrument Control Software

Table 2. Security updates to address this vulnerability

Product	Fixed version	Platform	Availability
Thermo Scientific Foundation software	3.1 SP10	Windows	Download Link*
Thermo Scientific Xcalibur software	4.7 SP1	Windows	Download Link*

* To access and download the software using the link provided, you must log in to a [Demo Software account](#) on the Thermo Scientific Life Sciences Mass Spectrometry Software Download and Licensing Portal.