

Lexmark Security Advisory:

Revision: 1.0
Last update: 17 January 2025
Public Release Date: 30 January 2025

Summary

A heap-based memory vulnerability has been identified in the Postscript interpreter in various Lexmark devices.

References

CVE: CVE-2024-11345

ZDI: ZDI-CAN-25621

CWE: CWE-466

Details

A heap-based memory vulnerability has been identified in the Postscript interpreter in various Lexmark devices. The vulnerability can be leveraged by an attacker to execute arbitrary code as an unprivileged user.

CVSSv3 Base Score 7.3 (AV:N/AC:L/PR:N/UI:N/S:U/C:L/I:L/A:L)
Impact Subscore: 3.4
Exploitability Subscore: 3.9

CVSSv3 scores are calculated in accordance with CVSS version 3.1 (<https://nvd.nist.gov/vuln-metrics/cvss/v3-calculator>)

Impact

Successful exploitation of this vulnerability can lead to an attacker being able to remotely execute arbitrary code on a device as an unprivileged user.

Affected Products

To determine a devices firmware level, select the “Settings”->“Reports”->”Menu Setting Page” menu item from the operator panel. If the firmware level listed under “Device Information” matches any level under “Affected Releases”, then upgrade to a “Fixed Release”.

Lexmark Models	Affected Releases	Fixed Releases
CX950, CX951	none	CXTLS.240.077 and later
XC9525, XC9535	none	CXTLS.240.077 and later
MX953	none	MXTLS.240.077 and later
CX961, CX962, CX963	CXTLS.230.341 and previous	CXTLS.230.342 and later

XC9635, XC9645, XC9655	CXTLS.230.341 and previous	CXTLS.230.342 and later
CS963	CSTLS.230.341 and previous	CSTLS.230.342 and later
CX833	CXTLS.230.341 and previous	CXTLS.230.342 and later
XC8355	CXTLS.230.341 and previous	CXTLS.230.342 and later
MS531, MS631	MSNSN.230.341 and previous	MSNSN.230.342 and later
MS632, M3350	MSTSN.230.341 and previous	MSTSN.230.342 and later
MX532, MX632, XM3350	MXTSN.230.341 and previous	MXTSN.230.342 and later
CS531, C2335	CSNGV.230.341 and previous	CSNGV.230.342 and later
CS632	CSTGV.230.341 and previous	CSTGV.230.342 and later
CX532, CX635, XC2335	CXTGV.230.341 and previous	CXTGV.230.342 and later
CX930, CX931, CX942, CX943, CX944	CXTPC.230.341 and previous	CXTPC.230.342 and later
XC9325, XC9335, XC9445, XC9455, XC9465	CXTPC.230.341 and previous	CXTPC.230.342 and later
CS943	CSTPC.230.341 and previous	CSTPC.230.342 and later
MX432	MXTCT.230.341 and previous	MXTCT.230.342 and later
XM3142	MXTCT.230.341 and previous	MXTCT.230.342 and later
MX931	MXTPM.230.341 and previous	MXTPM.230.342 and later
CX730, CX735, CX737	CXTMM.230.341 and previous	CXTMM.230.342 and later
XC4342, XC4352	CXTMM.230.341 and previous	CXTMM.230.342 and later
CS730, CS735, CS737	CSTMM.230.341 and previous	CSTMM.230.342 and later
C4342, C4352	CSTMM.230.341 and previous	CSTMM.230.342 and later
B2236	MSLSG.230.341 and previous	MSLSG.230.342 and later
MB2236	MXLSG.230.341 and previous	MXLSG.230.342 and later
MS331, MS431, MS439	MSLBD.230.341 and previous	MSLBD.230.342 and later
M1342	MSLBD.230.341 and previous	MSLBD.230.342 and later
B3442, B3340	MSLBD.230.341 and previous	MSLBD.230.342 and later
XM1342	MXLBD.230.341 and previous	MXLBD.230.342 and later
MX331, MX431	MXLBD.230.341 and previous	MXLBD.230.342 and later
MB3442	MXLBD.230.341 and previous	MXLBD.230.342 and later
MS321, MS421, MS521, MS621	MSNGM.230.341 and previous	MSNGM.230.342 and later
M1242, M1246	MSNGM.230.341 and previous	MSNGM.230.342 and later
B2338, B2442, B2546, B2650	MSNGM.230.341 and previous	MSNGM.230.342 and later
MS622	MSTGM.230.341 and previous	MSTGM.230.342 and later
M3250	MSTGM.230.341 and previous	MSTGM.230.342 and later
MX321	MXNGM.230.341 and previous	MXNGM.230.342 and later
MB2338	MXNGM.230.341 and previous	MXNGM.230.342 and later
MX421, MX521, MX522, MX622	MXTGM.230.341 and previous	MXTGM.230.342 and later
XM1242, XM1246, XM3250	MXTGM.230.341 and previous	MXTGM.230.342 and later
MB2442, MB2546, MB2650	MXTGM.230.341 and previous	MXTGM.230.342 and later
MS725, MS821, MS823, MS825	MSNGW.230.341 and previous	MSNGW.230.342 and later
B2865	MSNGW.230.341 and previous	MSNGW.230.342 and later
MS822, MS826	MSTGW.230.341 and previous	MSTGW.230.342 and later

M5255, M5270	MSTGW.230.341 and previous	MSTGW.230.342 and later
MX721, MX722, MX725, MX822, MX826	MXTGW.230.341 and previous	MXTGW.230.342 and later
XM5365, XM5370, XM7355, XM7370	MXTGW.230.341 and previous	MXTGW.230.342 and later
MB2770	MXTGW.230.341 and previous	MXTGW.230.342 and later
C3426	CSLBN.230.341 and previous	CSLBN.230.342 and later
CS431, CS439	CSLBN.230.341 and previous	CSLBN.230.342 and later
CS331	CSLBL.230.341 and previous	CSLBL.230.342 and later
C3224, C3326	CSLBL.230.341 and previous	CSLBL.230.342 and later
C2326	CSLBN.230.341 and previous	CSLBN.230.342 and later
MC3426	CXLBN.230.341 and previous	CXLBN.230.342 and later
CX431	CXLBN.230.341 and previous	CXLBN.230.342 and later
XC2326	CXLBN.230.341 and previous	CXLBN.230.342 and later
MC3426	CXLBN.230.341 and previous	CXLBN.230.342 and later
MC3224, MC3326	CXLBL.230.341 and previous	CXLBL.230.342 and later
CX331	CXLBL.230.341 and previous	CXLBL.230.342 and later
CS622	CSTZJ.230.341 and previous	CSTZJ.230.342 and later
C2240	CSTZJ.230.341 and previous	CSTZJ.230.342 and later
CS421, CS521	CSNZJ.230.341 and previous	CSNZJ.230.342 and later
C2325, C2425, C2535	CSNZJ.230.341 and previous	CSNZJ.230.342 and later
CX522, CX622, CX625	CXTZJ.230.341 and previous	CXTZJ.230.342 and later
XC2235, XC4240	CXTZJ.230.341 and previous	CXTZJ.230.342 and later
MC2535, MC2640	CXTZJ.230.341 and previous	CXTZJ.230.342 and later
CX421	CXNZJ.230.341 and previous	CXNZJ.230.342 and later
MC2325, MC2425	CXNZJ.230.341 and previous	CXNZJ.230.342 and later
CX820, CX825, CX827, CX860	CXTPP.230.341 and previous	CXTPP.230.342 and later
XC6152, XC6153, XC8155, XC8160, XC8163	CXTPP.230.341 and previous	CXTPP.230.342 and later
CS820, CS827	CSTPP.230.341 and previous	CSTPP.230.342 and later
C6160	CSTPP.230.341 and previous	CSTPP.230.342 and later
CS720, CS725, CS727, CS728	CSTAT.230.341 and previous	CSTAT.230.342 and later
C4150	CSTAT.230.341 and previous	CSTAT.230.342 and later
CX725, CX727	CXTAT.230.341 and previous	CXTAT.230.342 and later
XC4140, XC4143, XC4150, XC4153	CXTAT.230.341 and previous	CXTAT.230.342 and later
CS921, CS923, CS927	CSTMH.230.341 and previous	CSTMH.230.342 and later
C9235	CSTMH.230.341 and previous	CSTMH.230.342 and later
CX920, CX921, CX922, CX923, CX924	CXTMH.230.341 and previous	CXTMH.230.342 and later
XC9225, XC9235, XC9245, XC9255, XC9265	CXTMH.230.341 and previous	CXTMH.230.342 and later
MS315, MS415, MS417	LW90.TL2.P215 and previous	LW90.TL2.P216 and later
MS510, MS517, MS610dn, MS617	LW90.PR2.P215 and previous	LW90.PR2.P216 and later

M1140+, M1145, M3150dn	LW90.PR2.P215 and previous	LW90.PR2.P216 and later
MS610de, M3150de	LW90.PR4.P215 and previous	LW90.PR4.P216 and later
MX410, MX417, MX510, MX511, MX517	LW90.SB4.P215 and previous	LW90.SB4.P216 and later
XM1140, XM1145	LW90.SB4.P215 and previous	LW90.SB4.P216 and later
MX610, MX611, MX617	LW90.SB7.P215 and previous	LW90.SB7.P216 and later
XM3150	LW90.SB7.P215 and previous	LW90.SB7.P216 and later
MS710, MS711, MS810dn, MS811, MS812dn, MS817, MS818	LW90.DN2.P215 and previous	LW90.DN2.P216 and later
M5163dn	LW90.DN2.P215 and previous	LW90.DN2.P216 and later
MS810de	LW90.DN4.P215 and previous	LW90.DN4.P216 and later
M5155, M5163de	LW90.DN4.P215 and previous	LW90.DN4.P216 and later
MS812de	LW90.DN7.P215 and previous	LW90.DN7.P216 and later
M5170	LW90.DN7.P215 and previous	LW90.DN7.P216 and later
MX710, MX711, MX717, MX718, MX810, MX811, MX812	LW90.TU.P215 and previous	LW90.TU.P216 and later
XM5163, XM5170, XM5263, XM5270, XM7155, XM7163, XM7170, XM7263, XM7270	LW90.TU.P215 and previous	LW90.TU.P216 and later
MS911	LW90.SA.P215 and previous	LW90.SA.P216 and later
MX910, MX911, MX912	LW90.MG.P215 and previous	LW90.MG.P216 and later
XM9145, XM9155, XM9165	LW90.MG.P215 and previous	LW90.MG.P216 and later
CX510, CX517	LW90.GM7.P215 and previous	LW90.GM7.P216 and later
XC2132	LW90.GM7.P215 and previous	LW90.GM7.P216 and later
XC2130	LW90.GM4.P215 and previous	LW90.GM4.P216 and later
CS510, CS517	LW90.VY4.P215 and previous	LW90.VY4.P216 and later
C2132	LW90.VY4.P215 and previous	LW90.VY4.P216 and later
CX410, CX417	LW90.GM4.P215 and previous	LW90.GM4.P216 and later
MS310, MS312, MS317, MS410	LW80.PRL.P257 and previous	LW80.PRL.P258 and later
M1140	LW80.PRL.P257 and previous	LW80.PRL.P258 and later
MX310, MX317	LW80.SB2.P257 and previous	LW80.SB2.P258 and later
XM1135	LW80.SB2.P257 and previous	LW80.SB2.P258 and later
CS310, CS317	LW80.VYL.P257 and previous	LW80.VYL.P258 and later
CS410, CS417	LW80.VY2.P257 and previous	LW80.VY2.P258 and later
CX310, CX317	LW80.GM2.P257 and previous	LW80.GM2.P258 and later

Obtaining Updated Software

To obtain firmware that resolves this issue or if you have special code, please contact Lexmark's Technical Support Center at <http://support.lexmark.com> to find your local support center.

Workarounds

Lexmark recommends a firmware update if your device has affected firmware.

Exploitation and Public Announcements

Lexmark is not aware of any malicious use against Lexmark products of the vulnerability described in this advisory.

Lexmark would like to thank the following people working with Trend Micro's Zero Day Initiative (ZDI) for bringing this issue to our attention:

PHP Hooligans / Midnight Blue

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Revision History

<u>Revision</u>	<u>Date</u>	<u>Reason</u>
0.1	18 November 2024	Initial Draft
0.2	17 January 2025	Updated firmware versions and publish date
1.0	30 January 2025	Public release version