Lexmark Security Advisory:

Revision:1.0Last update:17 January 2025Public 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

CS963CSTLS.230.341 and previousCSTLS.230.342 and laterCX833CXTLS.230.341 and previousCXTLS.230.342 and laterMS531, MS631MSNN.230.341 and previousMSTSN.230.342 and laterMS532, M3350MSTSN.230.341 and previousMSTSN.230.342 and laterMS532, MX632, XM3350MSTSN.230.341 and previousMSTSN.230.342 and laterCS531, C2335CSNGV.230.341 and previousCSNGV.230.342 and laterCS532, CX635, XC2335CSTGV.230.341 and previousCSTGV.230.342 and laterCS532, CX635, XC2335CXTGV.230.341 and previousCXTGV.230.342 and laterCX930, CX931, CX942,CXTPC.230.341 and previousCXTPC.230.342 and laterCS943, CX944CXTPC.230.341 and previousCXTPC.230.342 and laterCS943CSTFC.230.341 and previousCXTPC.230.342 and laterMX432MXTCT.230.341 and previousMXTCT.230.342 and laterMX432MXTCT.230.341 and previousMXTCT.230.342 and laterXM3142MXTCT.230.341 and previousMXTCT.230.342 and laterCX730, CX735, CX737CXTMM.230.341 and previousCXTMM.230.342 and laterCX342, C4352CSTMM.230.341 and previousCXTMM.230.342 and laterCS331, MS431, MS439MSLBD.230.341 and previousCSTMM.230.342 and laterC3326MSLSG.230.341 and previousCSTMM.230.342 and laterMS2326MXLSD.230.341 and previousMXLBD.230.342 and laterM331, MS431, MS439MSLBD.230.341 and previousMSLBD.230.342 and laterM3326MSLSD.230.341 and previousMSLBD.230.342 and laterM33	XC9635, XC9645, XC9655	CXTLS.230.341 and previous	CXTLS.230.342 and later
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	MS825		
	B2865	MSNGW.230.341 and previous	MSNGW.230.342 and later
MS822, MS826 MSTGW.230.341 and previous MSTGW.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,	LW90.SB4.P215 and previous	LW90.SB4.P216 and later
MX511, MX517	-	
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,	LW90.DN2.P215 and previous	LW90.DN2.P216 and later
MS811, MS812dn, MS817,		
MS818		
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,	LW90.TU.P215 and previous	LW90.TU.P216 and later
MX718, MX810, MX811,		
MX812		
XM5163, XM5170, XM5263,	LW90.TU.P215 and previous	LW90.TU.P216 and later
XM5270, XM7155, XM7163,		
XM7170, XM7263, XM7270 MS911	LW00 SA D215 and provides	LW00 SA D216 and later
	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,	LW80.PRL.P257 and previous	LW80.PRL.P258 and later
MS410		L W/00 DDL D250 11 /
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 <u>http://support.lexmark.com</u> 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

Revision	Date	Reason
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