Lexmark Security Advisory:

Revision:	1.0
Last update:	27-January-2016
Public Release Date:	1-February-2016

Summary

Java serialization vulnerability

Markvision Enterprise contains a vulnerability that allows for unauthenticated remote execution of commands on the MVE server.

References

CVE:	CVE-2016-1487
Apache:	CVE-2015-5254
	VU#576313

Details

Markvision Enterprise is vulnerable to the deserialization bug reported in the Apache Commons Collections Library. This vulnerability allows for remote command execution from a specially crafted serialized java object with the privilege of the Markvision Enterprise application.

Impact

Successful exploitation of this vulnerability can lead to the disclosure of data stored in Markvision Enterprise, and the ability to execute code on the server hosting Markvision Enterprise.

Vulnerability Scoring Details

CVSS Base Score	9.0	
Impact Subscore:		9.5
Exploitability Subscore:		8.6

Exploitability:		Impact:	
Access Vector:	Network	Confidentiality:	Complete
Access Complexity:	Medium	Integrity:	Complete
Authentication:	None	Availability:	Partial

CVSS scores are calculated in accordance with CVSS version 2.0 (http://www.first.org/cvss/cvss-guide.html)

Workarounds

Lexmark recommends updating the application if you have a vulnerable version, but a workaround is available. Contact Lexmark Technical Support for instructions on the workaround.

Please visit http://www.lexmark.com/markvision or contact the Lexmark Technical Support Center at 1-800-539-6275 for additional information.

Software Versions and Fixes

The vulnerability described in this advisory has been fixed in Markvision Enterprise v2.3.0 and all future releases. All releases previous to v2.3.0 are vulnerable.

Obtaining Updated Software

To obtain Markvision Enterprise v2.3.0, please visit http://www.lexmark.com/markvision.

Exploitation and Public Announcements

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

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Revision History

Revision	**Date**	**Reason**
1.0	27-January-2015	Initial Public Release