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

Exploitation:  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](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**

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