Security Advisory

TLS-SSL - CVE-2017-3735

PUBLISHED: JULY 20, 2018 | LAST UPDATE: JULY 20, 2018

SUMMARY

In August 2017, openssl.org released a security advisory detailing several security issues. The following vulnerabilities that may affect the TLS/SSL data-plane of ACOS devices reported in that advisory are addressed in this document.

Item #	Vulnerability ID	Score Source	Score	Summary
1	CVE-2017-3735	CVSS 3.0	5.3 Med	openssl: Malformed X.509 IPAdressFamily could cause OOB read

AFFECTED RELEASES

The table below indicates releases of ACOS exposed to these vulnerabilities and ACOS releases that address them. ACOS release families not indicated below are unaffected by these vulnerabilities.

Customers using affected ACOS releases can overcome vulnerability exposures by updating to the indicated resolved release. If the table does not list a corresponding resolved or unaffected release, then no ACOS release update is currently available.

Releases Affected			Releases Resolved or Unaffected
4.1.2	–	4.1.2-P2	4.1.2-P3
4.1.1	–	4.1.1-P5	4.1.1-P6
4.1.0	–	4.1.0-P9	4.1.0-P10

WORKAROUNDS AND MITIGATIONS

None

SOFTWARE UPDATES

Software updates that address these vulnerabilities are or will be published at the following URL:

http://www.a10networks.com/support/axseries/software-downloads

VULNERABILITY DETAILS

The following table shares brief descriptions for the vulnerabilities addressed in this document.

Vulnerability ID	Description
CVE-2017-3735	If an X.509 certificate has a malformed IPAddressFamily extension, OpenSSL could do a one-byte buffer overread. The most likely result would be an erroneous display of the certificate in text format. As this is a low severity fix, no release is being made. The fix can be found in the source repository (1.0.2, 1.1.0, and master branches); see https://github.com/openssl/openssl/pull/4276. This bug has been present since 2006.

RELATED LINKS

Ref #	General Link
[1]	NIST NVD, CVE-2017-3735

ACKNOWLEDGEMENTS

None

MODIFICATION HISTORY

Revision	Date	Description
1.0	2018-07-20	Initial Publication

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