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Subject: [security bulletin] HPSBUX03388 SSRT102180 rev.1 - HP-UX running OpenSSL, Remote Disclosure of Information
From: [security-alert\(.\)hp!com](#)
Date: [2015-08-05 18:16:19](#)
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Note: the current version of the following document is available here:
https://h20564.www2.hp.com/portal/site/hpsc/public/kb/docDisplay?docId=emr_na-c04760669

SUPPORT COMMUNICATION - SECURITY BULLETIN

Document ID: c04760669
Version: 1

HPSBUX03388 SSRT102180 rev.1 - HP-UX running OpenSSL, Remote Disclosure of Information

NOTICE: The information in this Security Bulletin should be acted upon as soon as possible.

Release Date: 2015-08-05
Last Updated: 2015-08-05

Potential Security Impact: Remote disclosure of information

Source: Hewlett-Packard Company, HP Software Security Response Team

VULNERABILITY SUMMARY

A potential security vulnerability has been identified with HP-UX running OpenSSL with SSL/TLS enabled.

This is the TLS vulnerability using US export-grade 512-bit keys in Diffie-Hellman key exchange known as Logjam which could be exploited remotely resulting in disclosure of information.

References:

- CVE-2015-4000: DHE man-in-the-middle protection (Logjam).
 - CVE-2015-1788: Malformed ECParameters causes infinite loop.
 - CVE-2015-1789: Exploitable out-of-bounds read in X509_cmp_time.
 - CVE-2015-1790: PKCS7 crash with missing EnvelopedContent
 - CVE-2015-1791: Race condition handling NewSessionTicket
 - CVE-2015-1792: CMS verify infinite loop with unknown hash function
 - CVE-2015-1793: Alternative Chain Certificate Forgery.
- SSRT102180

SUPPORTED SOFTWARE VERSIONS*: ONLY impacted versions are listed.
HP-UX B.11.31 running OpenSSL 1.0.1m or earlier.

BACKGROUND

CVSS 2.0 Base Metrics

Reference	Base Vector	Base Score
CVE-2015-4000	(AV:N/AC:M/Au:N/C:N/I:P/A:N)	4.3
CVE-2015-1788	(AV:N/AC:M/Au:N/C:N/I:N/A:P)	4.3
CVE-2015-1789	(AV:N/AC:M/Au:N/C:N/I:N/A:P)	4.3
CVE-2015-1790	(AV:N/AC:L/Au:N/C:N/I:N/A:P)	5.0
CVE-2015-1791	(AV:N/AC:M/Au:N/C:P/I:P/A:P)	6.8
CVE-2015-1792	(AV:N/AC:L/Au:N/C:N/I:N/A:P)	5.0
CVE-2015-1793	(AV:N/AC:L/Au:N/C:P/I:P/A:N)	6.4

Information on CVSS is documented in HP Customer Notice: HPSN-2008-002

RESOLUTION

HP has provided an updated version of OpenSSL to resolve this vulnerability.

A new B.11.31 depot for OpenSSL_A.01.00.01p is available here:

<https://h20392.www2.hp.com/portal/swdepot/displayProductInfo.do?productNumber=OPENSSL11I>

MANUAL ACTIONS: Yes - Update

PRODUCT SPECIFIC INFORMATION

HP-UX Software Assistant: HP-UX Software Assistant is an enhanced application that replaces HP-UX Security Patch Check. It analyzes all Security Bulletins issued by HP and lists recommended actions that may apply to a specific HP-UX system. It can also download patches and create a depot automatically. For more information see: <https://www.hp.com/go/swa>
The following text is for use by the HP-UX Software Assistant.

AFFECTED VERSIONS

HP-UX B.11.31

=====

openssl.OPENSSL-CER

openssl.OPENSSL-CONF

openssl.OPENSSL-DOC

openssl.OPENSSL-INC

openssl.OPENSSL-LIB

openssl.OPENSSL-MAN

openssl.OPENSSL-MIS

openssl.OPENSSL-PRNG

openssl.OPENSSL-PVT

openssl.OPENSSL-RUN

openssl.OPENSSL-SRC

action: install revision A.01.00.01p or subsequent

END AFFECTED VERSIONS

HISTORY

Version:1 (rev.1) - 5 August 2015 Initial release

Third Party Security Patches: Third party security patches that are to be installed on systems running HP software products should be applied in accordance with the customer's patch management policy.

Support: For issues about implementing the recommendations of this Security Bulletin, contact normal HP Services support channel. For other issues about the content of this Security Bulletin, send e-mail to security-alert@hp.com.

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Software Product Category: The Software Product Category is represented in the title by the two characters following HPSB.

3C = 3COM

3P = 3rd Party Software

GN = HP General Software

HF = HP Hardware and Firmware

MP = MPE/iX

MU = Multi-Platform Software

NS = NonStop Servers

OV = OpenVMS

PI = Printing and Imaging

PV = ProCurve

ST = Storage Software

TU = Tru64 UNIX

UX = HP-UX

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Version: GnuPG v1.4.11 (GNU/Linux)

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