CVE-2018-5407

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Summary

CVE	CVE-2018-5407
State	PUBLIC
Assigner	cert@cert.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2018-11-15 21:29:00 UTC
Updated	2023-11-07 02:58:00 UTC
Description	Simultaneous Multi-threading (SMT) in processors can enable local users to exploit software vulnerable to timing attacks via

Risk And Classification

Problem Types: CWE-203

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.10	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.10	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Application	Nodejs	Node.js	All	All	All	All
Application	Nodejs	Node.js	All	All	All	All
Application	Openssl	Openssl	All	All	All	All
Application	Openssl	Openssl	All	All	All	All
Application	Oracle	Api Gateway	11.1.2.4.0	All	All	All

Application	Oracle	Api Gateway	11.1.2.4.0	All	All	All
Application	Oracle	Application Server	0.9.8	All	All	All
Application	Oracle	Application Server	1.0.0	All	All	All
Application	Oracle	Application Server	1.0.1	All	All	All
Application	Oracle	Application Server	0.9.8	All	All	All
Application	Oracle	Application Server	1.0.0	All	All	All
Application	Oracle	Application Server	1.0.1	All	All	All
Application	Oracle	Enterprise Manager Base Platform	12.1.0.5.0	All	All	All
Application	Oracle	Enterprise Manager Base Platform	13.2.0.0.0	All	All	All
Application	Oracle	Enterprise Manager Base Platform	13.3.0.0.0	All	All	All
Application	Oracle	Enterprise Manager Base Platform	12.1.0.5.0	All	All	All
Application	Oracle	Enterprise Manager Base Platform	13.2.0.0.0	All	All	All
Application	Oracle	Enterprise Manager Base Platform	13.3.0.0.0	All	All	All
Application	Oracle	Enterprise Manager Ops Center	12.3.3	All	All	All
Application	Oracle	Enterprise Manager Ops Center	12.3.3	All	All	All
Application	Oracle	Mysql Enterprise Backup	All	All	All	All
Application	Oracle	Mysql Enterprise Backup	All	All	All	All
Application	Oracle	Peoplesoft Enterprise Peopletools	8.55	All	All	All
Application	Oracle	Peoplesoft Enterprise Peopletools	8.56	All	All	All
Application	Oracle	Peoplesoft Enterprise Peopletools	8.57	All	All	All
Application	Oracle	Peoplesoft Enterprise Peopletools	8.55	All	All	All
Application	Oracle	Peoplesoft Enterprise Peopletools	8.56	All	All	All
Application	Oracle	Peoplesoft Enterprise Peopletools	8.57	All	All	All
Application	Oracle	Primavera P6 Enterprise Project Portfolio Management	15.1	All	All	All
Application	Oracle	Primavera P6 Enterprise Project Portfolio Management	15.2	All	All	All
Application	Oracle	Primavera P6 Enterprise Project Portfolio Management	16.1	All	All	All
Application	Oracle	Primavera P6 Enterprise Project Portfolio Management	16.2	All	All	All
Application	Oracle	Primavera P6 Enterprise Project Portfolio Management	18.8	All	All	All
Application	Oracle	Primavera P6 Enterprise Project Portfolio Management	8.4	All	All	All
Application	Oracle	Primavera P6 Enterprise Project Portfolio Management	15.1	All	All	All
Application	Oracle	Primavera P6 Enterprise Project Portfolio Management	15.2	All	All	All
Application	Oracle	Primavera P6 Enterprise Project Portfolio Management	16.1	All	All	All
Application	Oracle	Primavera P6 Enterprise Project Portfolio Management	16.2	All	All	All
Application	Oracle	Primavera P6 Enterprise Project Portfolio Management	18.8	All	All	All
Application	Oracle	Primavera P6 Enterprise Project Portfolio Management	8.4	All	All	All

Application	Oracle	Primavera P6 Enterprise Project Portfolio Management	All	All	All	All
Application	Oracle	Tuxedo	12.1.1.0.0	All	All	All
Application	Oracle	Tuxedo	12.1.1.0.0	All	All	All
Application	Oracle	Vm Virtualbox	All	All	All	All
Application	Oracle	Vm Virtualbox	All	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	7.0	All	All	All
Application	Tenable	Nessus	All	All	All	All
Application	Tenable	Nessus	All	All	All	All

References

Reference
Red Hat Customer Portal
support.f5.com/csp/article/K49711130
Red Hat Customer Portal
Red Hat Customer Portal
[R1] Nessus 7.1.4 Fixes Multiple Third-party Vulnerabilities - Security Advisory | Tenable®
[R1] Nessus 8.1.1 Fixes Multiple Third-party Vulnerabilities - Security Advisory | Tenable®
Debian -- Security Information -- DSA-4348-1 openssl
myF5
CVE-2018-5407 Simultaneous Multithreading Side-Channel Information Disclosure Vulnerability in NetApp Products | NetApp Product Security
November 2018 Security Releases | Node.js
OpenSSL: Multiple vulnerabilities (GLSA 201903-10) — Gentoo security
Red Hat Customer Portal

eprint.iacr.org/2018/1060.pdf
Oracle Critical Patch Update - January 2019
Intel (Skylake / Kaby Lake) - 'PortSmash' CPU SMT Side-Channel - Hardware local Exploit
Oracle Critical Patch Update - July 2019
[SECURITY] [DLA 1586-1] openssl security update
Red Hat Customer Portal
Red Hat Customer Portal
OpenSSL CVE-2018-5407 Side Channel Attack Information Disclosure Vulnerability
Red Hat Customer Portal
Debian -- Security Information -- DSA-4355-1 openssl1.0
Oracle Critical Patch Update Advisory - January 2020
USN-3840-1: OpenSSL vulnerabilities | Ubuntu security notices
Oracle Critical Patch Update Advisory - April 2020
GitHub - bbbrumley/portsmash
Red Hat Customer Portal
Red Hat Customer Portal
Oracle Critical Patch Update Advisory - April 2019
CVE Program record
NVD vulnerability detail

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

296075 Oracle Solaris 11.4 Support Repository Update (SRU) 21.69.0 Missing (CPUAPR2020)

296090 Oracle Solaris 11.4 Support Repository Update (SRU) 5.1.3 Missing (CPUJAN2019)

377283 Alibaba Cloud Linux Security Update for ovmf security and enhancement update (moderate) (ALINUX2-SA-2019:0106)

690613 Free Berkeley Software Distribution (FreeBSD) Security Update for Open Secure Sockets Layer (OpenSSL) (6f170cf2-e6b7-11e8-a9a8-b499baebfeaf)

CVE.report and Source URL Uptime Status status.cve.report