



INTEL-SA-00242

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2019.2 IPU – INTEL[®] GRAPHICS DRIVER FOR WINDOWS* AND LINUX ADVISORY



Intel ID:	Report a Vulnerability	Product Support	
Advisory Category:	Software		
Impact of vulnerability:	Escalation of Privilege, Denial of Service, Information Disclosure		
Severity rating:	HIGH		
Original release:	11/12/2019		
Last revised:	11/12/2019		

Summary:

Potential security vulnerabilities in Intel® Graphics Driver for Windows* and Linux may allow denial of service. Intel is releasing software updates to mitigate these potential vulnerabilities.

Vulnerability Details:

CVEID: CVE-2019-11112

Description: Memory corruption in Kernel Mode Driver in Intel(R) Graphics Driver before 26.20.100.6813 (DCH) or 26.20.100.6812 may allow an authenticated user to potentially enable escalation of privilege via local access.

CVSS Base Score: 8.8 High

CVSS Vector: CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:C/C:H/I:H/A:H

CVEID: CVE-2019-0155

Description: Insufficient access control in a subsystem for Intel (R) processor graphics in 6th, 7th, 8th and 9th Generation Intel(R) Core(TM) Processor Families; Intel(R) Pentium(R) Processor J, N, Silver and Gold Series; Intel(R) Celeron(R) Processor J, N, G3900 and G4900 Series; Intel(R) Atom(R) Processor A and E3900 Series; Intel(R) Xeon(R) Processor E3-1500 v5 and v6, E-2100 and E-2200 Processor Families; Intel(R) Graphics Driver for Windows before 26.20.100.6813 (DCH) or

26.20.100.6812 and before 21.20.x.5077 (aka 15.45.5077), i915 Linux Driver for Intel(R) Graphics before versions 5.4-rc7, 5.3.11, 4.19.84, 4.14.154, 4.9.201, 4.4.201 may allow an authenticated user to potentially enable escalation of privilege via local access.

CVSS Base Score: 8.8 High Report a Vulnerability Product Support

CVSS Vector: CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:C/C:H/I:H/A:H

CVEID: CVE-2019-11111

Description: Pointer corruption in the Unified Shader Compiler in Intel(R) Graphics Drivers before 10.18.14.5074 (aka 15.36.x.5074) may allow an authenticated user to potentially enable escalation of privilege via local access.

CVSS Base Score: 7.3 High

CVSS Vector: CVSS:3.0/AV:L/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:H

CVEID: CVE-2019-14574

Description: Out of bounds read in a subsystem for Intel(R) Graphics Driver versions before 26.20.100.7209 may allow an authenticated user to potentially enable denial of service via local access.

CVSS Base Score: 6.5 Medium

CVSS Vector: CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:C/C:N/I:N/A:H



CVEID: CVE-2019-14590

Description: Improper access control in the API for the Intel(R) Graphics Driver versions before 26.20.100.7209 may allow an authenticated user to potentially enable information disclosure via local access.

CVSS Base Score: 6.5 Medium

CVSS Vector: CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:C/C:H/I:N/A:N

CVEID: CVE-2019-14591

Description: Improper input validation in the API for Intel(R) Graphics Driver versions before 26.20.100.7209 may allow an authenticated user to potentially enable denial of service via local access.  

CVSS Base Score: 6.5 Medium [Report a Vulnerability](#) [Product Support](#)

CVSS Vector: CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:C/C:N/I:N/A:H

CVEID: CVE-2019-11089

Description: Insufficient input validation in Kernel Mode module for Intel(R) Graphics Driver before version 25.20.100.6519 may allow an authenticated user to potentially enable denial of service via local access.

CVSS Base Score: 5.9 Medium

CVSS Vector: CVSS:3.0/AV:L/AC:L/PR:L/UI:R/S:C/C:N/I:N/A:H

CVEID: CVE-2019-11113

Description: Buffer overflow in Kernel Mode module for Intel(R) Graphics Driver before version 25.20.100.6618 (DCH) or 21.20.x.5077 (aka15.45.5077) may allow a privileged user to potentially enable information disclosure via local access.

CVSS Base Score: 4.0 Medium

CVSS Vector: CVSS:3.0/AV:L/AC:L/PR:H/UI:R/S:U/C:L/I:L/A:L

Affected Products:



6th, 7th, 8th, and 9th Gen Intel® Core™ processor family & 6th Gen Intel® Core™ processor family systems running Windows* 7 or Windows* 8.1 with Intel® Graphics Driver for Windows* before 26.20.100.6813 (DCH) or 26.20.100.6812 and before 21.20.x.5077 (aka15.45.5077).

4th Generation Intel® Core™/ Pentium®/ Xeon® (E3 v3 only) Processors systems running Windows* 7 or Windows* 8.1 with Intel® Graphics Driver for Windows* before versions 10.18.14.5074 (aka 15.36.x.5074).

Recommendations:

Intel recommends updating the Intel® Graphics Driver for Windows* and i915 Linux Driver to the latest version.

Windows* Driver updates are available for download at this location: <https://downloadcenter.intel.com/product/80939/Graphics-Drivers>

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For i915 Linux Driver updates, please visit [Reporting a Vulnerability - Product Support](#) or contact your Linux OS Vendor.



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Intel, and nearly the entire technology industry, follows a disclosure practice called Coordinated Disclosure, under which a cybersecurity vulnerability is generally publicly disclosed only after mitigations are available.

Revision History

Revision	Date	Description
1.0	11/12/2019	Initial Release
1.1	11/12/2019	Added Linux for CVE-2019-0155

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- › Detailed description of the vulnerability
- › Information on known exploits

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