

# Release Notes

**DRIVER VERSION:** Intel® Graphics Driver PV 15.40.38.4963 32bit & 64bit

**DATE:** May 4, 2018

## SUMMARY:

This release resolves an issue and contains security updates. Please see below for additional details on fixed issues.

## ISSUES RESOLVED

Reference No.	Description	Affected OS(s)	Affected Project(s)
<b>Bug ID:</b> 1406598524	System stutter observed using Intel graphics driver with combination of third party graphics driver	Windows® 10	4th Gen Intel® Core™ Processor family
<b>Root Cause/Resolution:</b> Optimized the code in order to avoid the delay. Meaning logically arranged the return calls one after the other based on return values of all these calls to avoid delay			
<b>SA ID:</b> SA-00109	Fix for the following potential vulnerability: Bounds check vulnerability in User Mode Driver in Intel Graphics Drivers that allow unprivileged user to cause a denial of service via local access. <a href="https://security-center.intel.com/advisory.aspx?intelid=INTEL-SA-00109&amp;languageid=en-fr">https://security-center.intel.com/advisory.aspx?intelid=INTEL-SA-00109&amp;languageid=en-fr</a>		
<b>SA ID:</b> SA-00095	Fix for the following potential vulnerability: Type Confusion in HECI Service in Intel® Graphics Driver allows unprivileged user to elevate privileges via local access. Additional details will be shared separately <a href="https://security-center.intel.com/advisory.aspx?intelid=INTEL-SA-00095&amp;languageid=en-fr">https://security-center.intel.com/advisory.aspx?intelid=INTEL-SA-00095&amp;languageid=en-fr</a>		
<b>SA ID:</b> SA-00089	Fix for the following potential vulnerability: Pointer dereference in subsystem in Intel(R) Graphics Driver allows unprivileged user to elevate privileges via local access. Additional details will be shared separately <a href="https://security-center.intel.com/advisory.aspx?intelid=INTEL-SA-00089&amp;languageid=en-fr">https://security-center.intel.com/advisory.aspx?intelid=INTEL-SA-00089&amp;languageid=en-fr</a>		
<b>SA ID:</b> SA-00080	Fix for the following potential vulnerability: Intel Graphics Privilege Escalation <a href="https://security-center.intel.com/advisory.aspx?intelid=INTEL-SA-00080&amp;languageid=en-fr">https://security-center.intel.com/advisory.aspx?intelid=INTEL-SA-00080&amp;languageid=en-fr</a>		

## SUPPORTED PRODUCTS:

### HARDWARE

All platforms with the following configurations are supported:

Intel® Graphics <sup>1</sup>	DirectX <sup>2</sup>	OpenGL*	OpenCL*	<a href="#">Intel® Quick Sync Video</a>	<a href="#">Intel® Wireless Display</a>
<b>5th Generation Intel® Core™ Processors with HD Graphics 5500</b>	12	4.4	2.0	Yes	Yes
<b>5th Generation Intel® Core™ Processors with HD Graphics 6000</b>	12	4.4	2.0	Yes	Yes
<b>5th Generation Intel® Core™ Processors with Iris™ Graphics 6100</b>	12	4.4	2.0	Yes	Yes
<b>5th Generation Intel® Core™ Processors with Iris™ Pro Graphics 6200</b>	12	4.4	2.0	Yes	Yes
<b>Intel® Core™ M with Intel® HD Graphics 5300</b>	12	4.4	2.0	Yes	Yes
<b>4th Generation Intel® Core™ Processors with Intel® Iris™ Pro Graphics 5200</b>	12	4.3	1.2	Yes	Yes
<b>4th Generation Intel® Core™ Processors with Intel® Iris™ Graphics 5100</b>	12	4.3	1.2	Yes	Yes
<b>4th Generation Intel® Core™ Processors with Intel® HD Graphics 5000/4600/4400/4200</b>	12	4.3	1.2	Yes	Yes
<b>Intel® Pentium® and Celeron® Processors with Intel® HD Graphics based on 4<sup>th</sup> and 5<sup>th</sup> Generation Intel® Core™</b>	12	4.3	1.2	Yes	Yes
<b>Pentium®, Celeron®, and Atom™ processors based on Braswell and CherryTrail.</b>	12	4.3	2.0	Yes	Yes

### SOFTWARE

On 5<sup>th</sup> Generation Intel Core processors and related Pentium/Celeron:

- Microsoft Windows 10® 64-bit only
- Microsoft Windows 8.1\* 64-bit, 32-bit
- Microsoft Windows 7\* 64-bit, 32-bit

On 4<sup>th</sup> Generation Intel Core processors and related Pentium/Celeron:

- Microsoft Windows 10® 64-bit, 32-bit\*  
\*32-bit support is limited to particular SKU's.

On Braswell/CherryTrail family processors:

- Microsoft Windows 10® 64-bit
- Microsoft Windows 8.1\* 64-bit
- Microsoft Windows 7\* 64-bit

Note:

1. If you are uncertain of which Intel processor is in your computer, Intel recommends using the [Intel Processor Identification Utility](#) or [Intel® Driver & Support Assistant](#) to identify your Intel processor.
2. In the Intel® Iris™ and HD Graphics Control Panel (under Options > Options menu > Information Center), the 'Installed DirectX\* version' refers to the operating system's DirectX version. The Information Center's 'Supported DirectX\* Version' refers to the Intel Graphics Driver's supported DirectX version. The DirectX 12 API is supported but some optional features may not be available. Applications using the DirectX 12 API should query for feature support before using specific hardware features. Please note that

DirectX12 is only supported on Windows 10 and DirectX11.3 support is also available on supported Microsoft\* operating systems.

## More on Intel® Core™ processors

For more information on the Intel® Core™ processor family, Intel® Xeon® processor E3 family, and 6<sup>th</sup> Generation Intel Core processors, please visit:

<http://www.intel.com/content/www/us/en/processors/core/core-processor-family.html>

<http://www.intel.com/content/www/us/en/processors/xeon/xeon-processor-e3-family.html>

<http://www.intel.com/graphics>

<http://www.intel.com/content/www/us/en/processors/core/6th-gen-core-family-mobile-brief.html>

We continuously strive to improve the quality of our products to better serve our users and appreciate [feedback](#) on any issues you discover and suggestions for future driver releases. If you have an issue to submit, ***please follow the guidance found here*** [Default level information for reporting Graphics issues](#).

\*Other names and brands may be claimed as the property of others.