Intel® Media Server Studio 2017 R3 – Essentials Edition for Windows* Server Release Notes

Overview

The **Intel® Media Server Studio – Essentials Edition for Windows* Server** provides software development tools and libraries needed to develop enterprise grade media solutions on Intel® Server Products. The studio is designed for optimizing datacenter and embedded media applications for Windows* server operating systems to utilize Intel® Iris™, Intel® Iris Pro and Intel® HD Graphics hardware acceleration capabilities. The suite includes:

- *Intel® Media Server Studio 2017 – Graphics driver*

- *Intel® Media Server Studio 2017 – Software Development Kit* (hereinafter referred to as "SDK") is designed for optimizing datacenter and embedded media applications for Linux server operating systems to utilize Intel Iris™ and Intel® HD Graphics hardware acceleration capabilities.

- *Intel® Media Server Studio 2017 – Samples*

  show how to use different SDK features.

- *Intel® Media Server Studio 2017 – Intel® SDK for OpenCL™ Applications 2016 R3 for Windows**

  assists with creating, building, debugging, and analyzing OpenCL applications.

What's New

The Intel® Media Server Studio 2017 – Essentials Edition for Windows* Server includes the following components:

- Intel® Media Server Studio 2017 – Graphics Driver, versions: 15.40.4549 for Intel® Xeon® E3-1200 v4 and 5th Generation Intel® Core™, 15.45.4639 for Intel® Xeon® E3-1500 v5 and 6th Generation Intel® Core™

- Intel® Media Server Studio 2017 – SDK, version 7.0.0000.487

- Intel® Media Server Studio 2017 – Intel® SDK for OpenCL™ Applications 2016 R3 for Windows* 6.3.0.1904

For information on what is new in each component, please read the individual component release notes:

- the Intel® Media Server Studio 2017 – SDK Release Notes
  `<studio-install-dir>\Documentation for Essentials Edition\media_server_studio_sdk_release_notes.pdf`
- the Intel® Media Server Studio 2017 – SDK for OpenCL™ Applications Release Notes

  https://software.intel.com/en-us/articles/opencl-code-builder-release-notes

System Requirements

Hardware

Media Server Studio supports the following platforms with the integrated graphics:

- Intel® Xeon® E3-1200 v4 Family with C226 chipset
- Intel® Xeon® E3-1200 and E3-1500 v5 Family with C236 chipset
- 5th Generation Intel® Core™
- 6th Generation Intel® Core™

Additionally, for Intel® Xeon® E5 v4 and v5 processors, support of software-only (CPU) HEVC decode and encode, select video pre-processing (CSC, scaling, DI), and virtualization (KVM*, Xen*) is available.

Note: Individual components could have specific requirements, please read the

corresponding release notes.

Software

Please see the individual component release notes to know about supported operating systems and required software list.

Installation

Installation of Intel® Media Server Studio 2017 – Essentials Edition for Windows* Server requires full administrative rights.

Please run the installer MediaServerStudioEssentials2017R3.exe.

Installer will guide installation process, please follow it.

NOTE: if you select Intel® Media Server Studio 2017 – Graphics Driver to be installed then after Media Server Studio 2017 installation is completed you should reboot your system. This is necessary for correct operation of the Graphics Driver.

On Windows* 7 operating systems installation can return an error during driver installation, however after system reboot it will function correctly.

On Windows* 10 operating systems installation can return an error during driver installation or installer exit before installation confirmation. In this case package reinstall is required.

Installation Folders

Intel® Media Server Studio 2017 – Essentials Edition for Windows* Server installs under "`C:\Program Files\Intel\Intel(R) Media Server Studio 2017 R3\`" – this is referenced as <studio-install-dir> in the remainder of this document.

`<studio-install-dir>\ Documentation for Essentials Edition`	Intel® Media Server Studio 2017 – Essentials Edition for Windows* Server documentation: this file, Intel Media Server Studio – SDK Release Notes, EULA, EULA's accompanying files.
`<studio-install-dir>\Software Development Kit`	Intel® Media Server Studio 2017 – SDK.
`<studio-install-dir>\Graphics Driver`	Intel® Media Server Studio 2017 – Graphics Driver contains redistributable package `Intel_Server_Graphics_Driver_15_40.zip`, `Intel_Server_Graphics_Driver_15_45.zip`.
`C:\Program Files (x86)\Intel\OpenCL SDK`	Intel® SDK for OpenCL Applications 2016 R3 for Windows*

Known Limitations

For information on known limitations in each component, please read the individual component release notes.

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