



INTEL[®] VIRTUAL RAID ON CPU (INTEL[®] VROC) NAME CHANGE FOR 6.0

NSG Storage Software Team

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Explanation

Intel® Virtual RAID on CPU 6.0 (Intel® VROC 6.0) is launching in Q1 2019 with Intel® Xeon Scalable Processors Gen. 2 and the Purley-Refresh Platform.

This release includes consolidation of the Intel® Rapid Storage Technology enterprise (Intel® RSTe) and Intel® VROC product names:

- Only the **Intel® VROC** name will remain and include all functionality
 - The Intel® RSTe name will no longer be used
- The actual support and functionality on a given platform will not change
- Functionality will depend on the HW/chipset/CPU in a given platform

New Naming Convention

Intel® VROC6.0 will consist of 3 functional sub-products within the same software download. The HW will determine which subset is enabled:

- **Intel® VROC (VMD NVMe* RAID):** For platforms with CPU(s) that have Intel® Volume Management Device (Intel® VMD) architecture
- **Intel® VROC (SATA RAID):** For platforms with chipset that include this functionality
- **Intel® VROC (NonVMD NVMe* RAID):** For platforms with CPU(s) that do not have Intel VMD architecture and therefore, Intel® VROC (VMD NVMe* RAID) is not possible

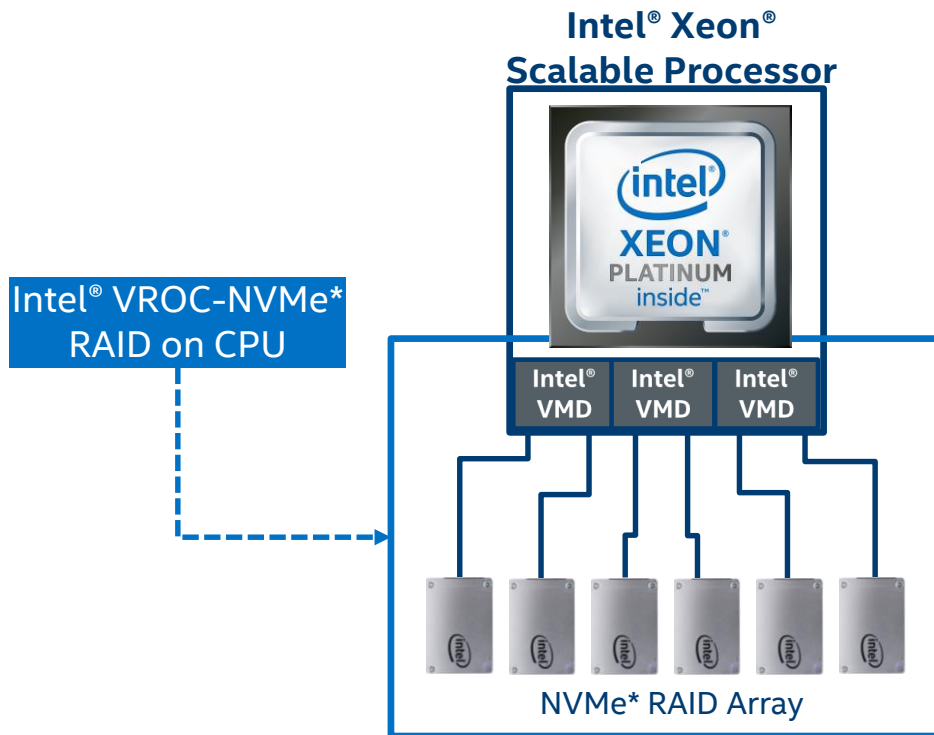
The Intel® VROC SW installer will automatically detect HW (CPU/chipset) present on a system and enable the applicable sub-products

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Intel® VROC (VMD NVMe* RAID)

RAID for NVMe* SSDs connected to Intel® VMD PCIe* lanes

- Original Intel® VROC product set
- License: HW Key required
- CPUs: Processors with Intel® VMD – Intel® Xeon® Scalable Processors
- Example Platforms: Purley, Purley Refresh, Whitley

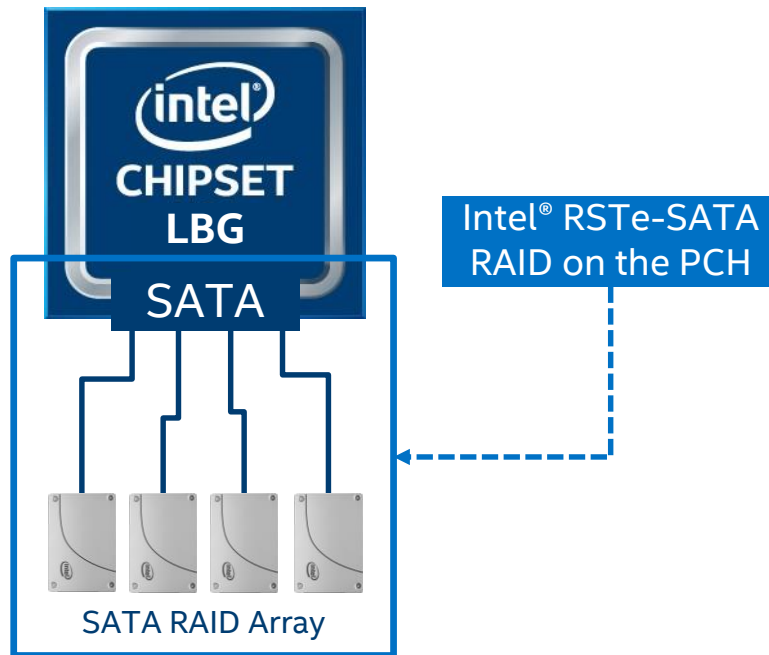


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Intel® VROC (SATA RAID)

RAID for SATA SSDs or HDDs
connected to the PCH

- Original Intel® RSTe SATA product set
- License: Included in chipset
- Chipsets: Select chipsets such as the C620 series
- Platforms: Grantley, Mehlow, Purley, and others (see each platform for specific supported technologies)



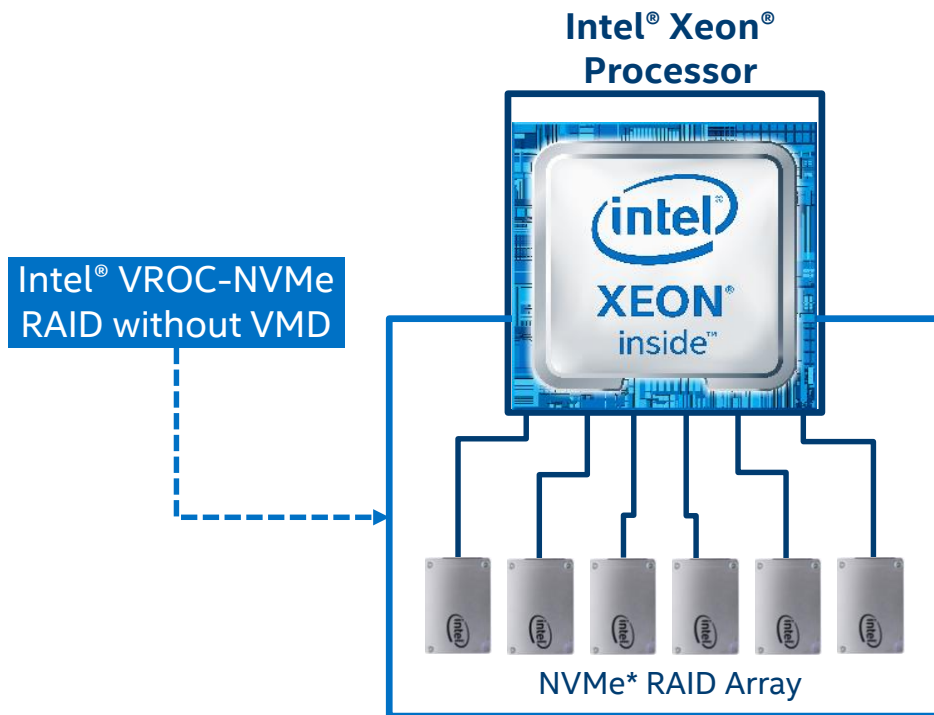
Intel® VROC (NonVMD NVMe* RAID)

RAID for NVMe* SSDs connected to a CPU that does **NOT** have Intel® VMD

- Original Intel® RSTe NVMe* RAID product set
- License: Included in chipset
- E.g. CPUs: Older Intel® Xeon® processors
- E.g. Platforms: Grantley, Mehlow, Tatlow

Note- Platforms with Intel VMD present but not enabled at the platform/OEM level, will not have access to this feature set

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Supported Features by Intel® VROC sub-product

Sub-Product	NVMe* SSD RAID	SATA RAID	Bootable RAID	Hot-Plug/ Surprise Removal	LED Management	3 rd Party Drive Support
Intel® VROC (VMD NVMe RAID)	X		X	X	X	X
Intel® VROC (SATA RAID)		X	X			X
Intel® VROC (non-VMD NVMe RAID)	X					

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