



Release Notes - Linux*

Intel® QuickAssist Technology Hardware Version 2.1

Addendum

May 2024

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1 Description of Release

This addendum document describes additions/deviations from the QAT2.0 Release Notes available at <https://intel.github.io/quickassist>.

1.1 Features

Features are called out in <https://intel.github.io/quickassist/RN/Linux/2.X/description.html#features>,

1.2 Supported Operating Systems and Platforms

The software in this release has been validated with the following configurations:

OS	Kernel Version
RHEL 9.2	6.6.0-srf.bkc.6.6.21.4.20.x86_64

1.2.1 Package Version

The following table shows the OS-specific package versions for each platform supported in this release.

Chipset or SoC	Package Version
Top-Level Package	QAT20.L1.2.30-00020

1.2.2 SHA256 Checksum Information

The following table provides SHA256 checksum information.

Package	SHA256 Checksum
QAT20.L.1.2.30-00020	e54adff862ff895d53e1a56d47a9db718faf45cde12d5fc04a30dle80-81e10df

1.3 Known Issues

Important: These issues are in addition to the issues documented at: <https://intel.github.io/quickassist>

1.3.1 QAT20-26988 [Chaining] compression/encryption failure status is not returned when chained operation fails

Title	[Chaining] compression/encryption failure status is not returned when chained operation fails.
Reference	QAT20-26988
Description	If error occurs in either compression or encryption during a chained operation, the chaining service returns error, but does not include details on the compression/encryption failure.
Implication	Error details for compression/encryption operations of chained operation are not returned.
Resolution	No workaround currently available.
Affected OS	Linux
Driver/Module	QAT IA - Chaining

1.3.2 QAT20-31286 [VIRT] Installation of driver in guest OS reports incorrect error message

Title	[VIRT] Installation of driver in guest OS reports incorrect error message
Reference	QAT20-31286
Description	When the QAT driver is installed in guest OS with QAT VF passed in, there will be <code>qat_vqat module not installed</code> error printed.
Implication	User will see an error when installing, but there is no implication to functionality.
Resolution	Future Fix.
Affected OS	Linux
Driver/Module	QAT IA - General

1.3.3 QAT20-30379 [MCC] Multi-Process Test Failures in Certain Configurations

Title	[MCC] Multi-Process Test Failures in Certain Configurations
Reference	QAT20-30379
Description	Multi-process tests for Data Compression (DC) and Chaining functionalities are experiencing failures on specific configurations. The issue appears to be related to a function within GCC version 11.3.1.
Implication	This issue affects the proper functioning of multi-process DC/Chaining tests on RHEL 9.2, potentially impacting the system's performance.
Resolution	Future Fix.
Affected OS	Linux
Driver/Module	QAT IA - General

1.3.4 QAT20-25341 [RL] Service Level Agreements (SLAs) may not be met with multiple services enabled on a Physical Function (PF)

Title	[RL] Service Level Agreements (SLAs) may not be met with multiple services enabled on a Physical Function (PF)
Reference	QAT20-25341
Description	With more than one service on a PF, Service Level Agreement (SLA) allocations may not be met.
Implication	The issue could affect the performance of the system when using the combination of services in a specific configuration.
Resolution	Future Fix.
Affected OS	Linux
Driver/Module	QAT IA - General

2 Revision History

Document Version	Description	Date
005	PV2 Release	June 2024
004	PV1 Release	April 2024
003	PC Release	March 2024
002	Beta Release	December 2023
001	Initial Release	September 2023