



CipherTrust Transparent Encryption

Patch Release Notes for Windows Agents

- **Release: 7.0.0.76**
- **Date: December 14, 2020**

Enhancements

- Enhanced support for MPIO-configured devices. These devices can now be guarded with an Efficient Storage GuardPoint.
- Fixed a scalability issue where `voradmin esg` commands did not list all available devices in environments with a large number of devices.
- Made general improvements to the CTE Agent and fixed some stability issues.

Resolved Issues

- **AGT-29939 [CS1008825]: Deduplication not working with CTE-Efficient Storage**

CTE-Efficient Storage requires the XTS encryption mode. XTS encryption requires that the AES-NI AVX instruction set be supported by the processor on the host system. CTE supports XTS encryption mode with Sandy Bridge and above, as these processors support the AVX instruction set.

Previously, if the user applied a CTE-Efficient Storage GuardPoint on a system that did *not* have the AES-NI AVX instruction set available, the CTE Agent would silently default to the CBC encryption mode. This led to a mismatch in encryption modes because the policy specified XTS and the system was using CBC. Due to this mismatch, deduplication was not working on the CTE-Efficient Storage GuardPoint.

Starting in this release, the CTE Agent now prevents you from applying a CTE-Efficient Storage GuardPoint on a system that does not have the AES-NI AVX instruction set available.

If you are using CTE-Efficient Storage GuardPoints, we highly recommend that you decrypt all data *before* you upgrade to this release of the CTE Agent. After the data has been decrypted and the CTE Agent has been upgraded, you can re-create the GuardPoints from scratch using the copy method or the `dataxform` utility.

- **AGT-30518 [CS1015245]: Dell PowerPath failed to mount after upgrading to CTE**

When the system reboots, the CTE Agent tries to read the CTE header from the device to determine if the device is protected using a CTE policy.

The CTE Agent was trying to read the device before MPIO was configured. Because MPIO was not ready, that read from the device failed and the CTE Agent disallowed access to the devices.

In this release of the CTE Agent, the CTE Agent now waits for MPIO configuration to finish before it tries to read the data from the device.

- **AGT-30356 [CS1002187]: SQL backups failing intermittently "SQL Server cannot process this media family."**

In some cases, the CTE Agent was performing the wrong data alignment when a direct write request came from the application.

This issue has been fixed in this release of the CTE Agent.

- **AGT-30599: System crashes every 5 minutes after running `voradmin` command**

In some cases, the CTE Agent was accessing a NULL memory buffer when clear key was used.

This issue has been fixed in this release of the CTE Agent.

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