



CipherTrust Transparent Encryption

Patch Release Notes for Linux Agents

- **Release: 7.0.0.81**
- **Date: December 18, 2020**

Resolved Issues

- **AGT-31116: Systems without AES XTS support should not allow CTE-Efficient Storage or IDT-Capable GuardPoints**

CTE-Efficient Storage and IDT-Capable GuardPoints require 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 or IDT-Capable 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.

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

To verify whether the system supports the AES-NI AVX instruction set, you can use the `voradmin secfs crypto` command that was added in this release. For example:

```
# voradmin secfs crypto
AES XTS is supported
Encryption key protection is supported
```

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