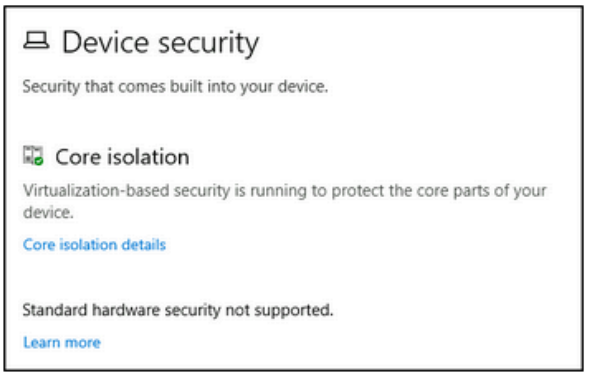
5 - Device Security

Task 7 Device security

Even though you'll probably never change any of these settings, for completion's sake, it will be covered briefly.



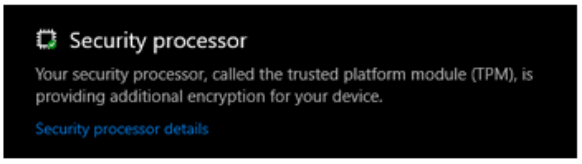
Core isolation

- **Memory Integrity** - Prevents attacks from inserting malicious code into high-security processes.

Warning: Unless you are **100%** confident in what you are doing, it is recommended that you leave the default settings.

The below images are from another machine to show another security feature that should be available in a personal Windows 10 device.

Security processor



Below are the **Security processor details**.

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Security processor details

Information about the trusted platform module (TPM).

Specifications

Manufacturer	Intel (INTC)
Manufacturer version	303.12.0.0
Specification version	2.0
PPI specification version	1.2
TPM specification sub-version	1.16 (9/21/2016)
PC client spec version	1.00

Status

Attestation	Ready
Storage	Ready

Security processor troubleshooting

Learn more

What is the **Trusted Platform Module** (**TPM**)?

Per Microsoft, "*Trusted Platform Module (TPM) technology is designed to provide hardware-based, security-related functions. A TPM chip is a secure crypto-processor that is designed to carry out cryptographic operations. The chip includes multiple physical security mechanisms to make it tamper-resistant, and malicious software is unable to tamper with the security functions of the TPM*".