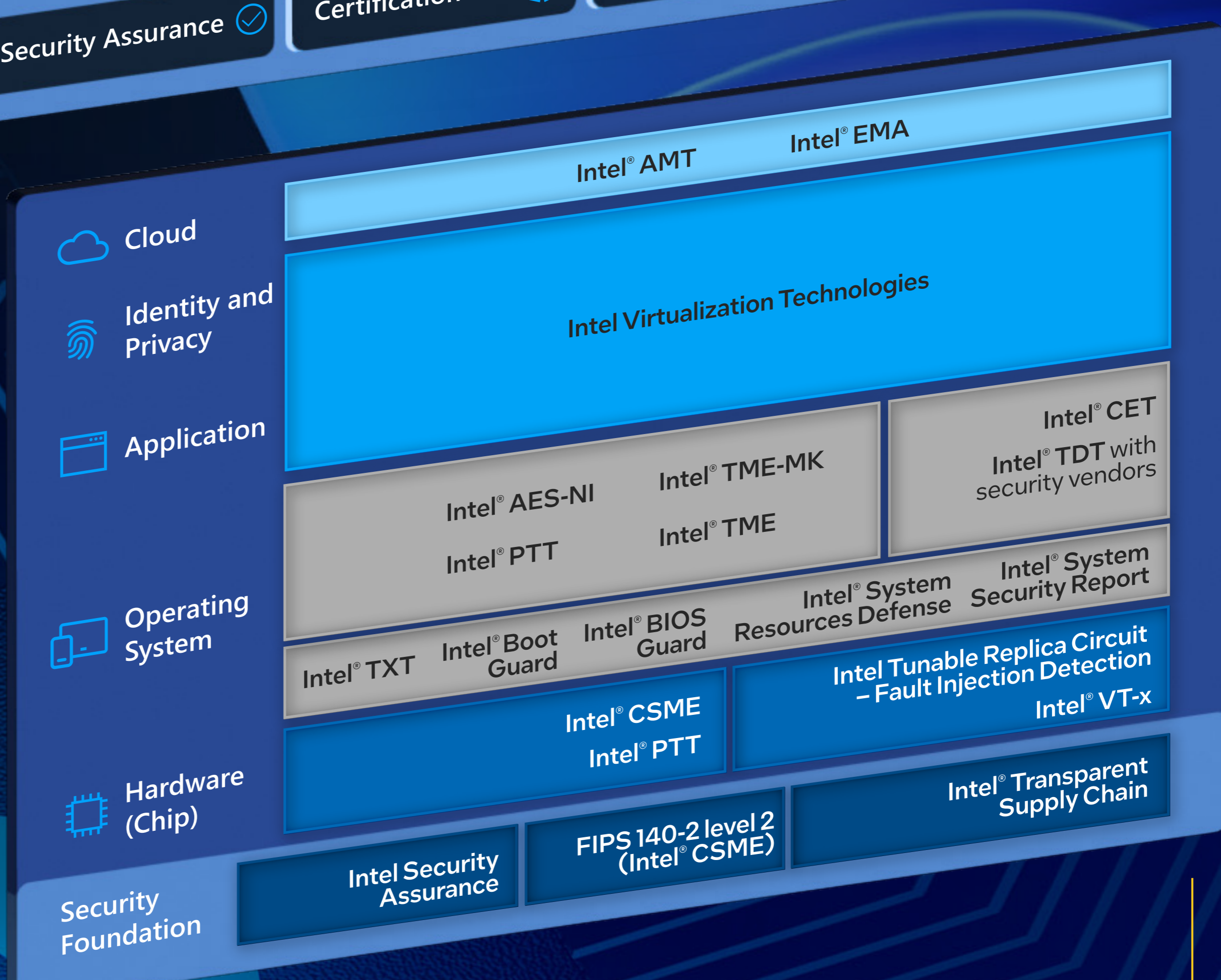![Intel logo]

Endpoint Security Starts with Intel

The benchmark for business client security

A long-standing co-engineering commitment drives Windows 11 performance, manageability and security capabilities, enabled by layers of Intel hardware protections, from chip to cloud.

intel vPRO

Microsoft Windows 11 security from chip to cloud[1]

Cloud	Cloud Services
Identity and Privacy	Secured Identity
	Privacy Controls
Application	Application Security
	Encryption and Data Protection · 101010 010101 101010
	Network Security
	Virus and Threat Protection
Operating System	System Security
Hardware (Chip)	Hardware Root-of-trust
	Silicon Assisted Security
Security Foundation	Security Assurance · Certification · Secure Supply Chain

Intel hardware helps enable Windows 11 security

Cloud	Intel® AMT Intel® EMA
Identity and Privacy	Intel Virtualization Technologies
Application	Intel® AES-NI · Intel® TME-MK · Intel® PTT · Intel® TME · Intel® CET · Intel® TDT with security vendors
Operating System	Intel® TXT · Intel® Boot Guard · Intel® BIOS Guard · Intel® System Resources Defense · Intel® System Security Report
Hardware (Chip)	Intel® CSME · Intel® PTT · Intel Tunable Replica Circuit – Fault Injection Detection · Intel® VT-x · Intel® Transparent Supply Chain
Security Foundation	Intel Security Assurance · FIPS 140-2 level 2 (Intel® CSME)

Hardware and software work better together

Cloud
Intel's remote out-of-band services include PC management and recovery no matter where your employees are working - even when the OS is down.
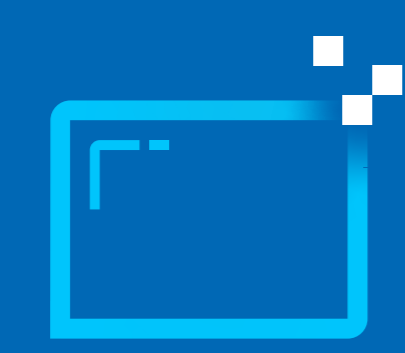
Identity & Privacy
Intel virtualization technologies support Windows Hello authentication to enhance security and enable the adoption of biometrics.

Application
Intel hardware-based isolation helps protect sensitive data and business-critical applications in virtual machines.

Operating System
Windows 11 uses multiple layers of Intel hardware-based capabilities for more secure and trusted boot as well as to help enable detection of advanced threats like ransomware, cryptojacking and software supply-chain attacks.
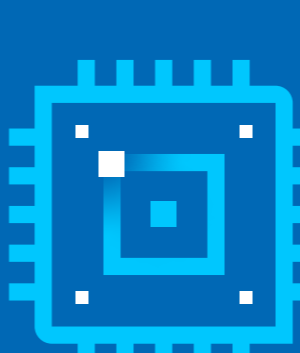
Hardware
Intel security hardware helps safeguard the Windows authentication stack, single sign-on tokens, and BitLocker volume encryption keys while detecting and helping mitigate security processor fault-injection attacks.

Security Foundation
Intel Security Assurance programs guide the application of security practices across hardware, firmware and software.

Windows 11 security protections are part of a comprehensive strategy based on hardware layers of security, from chip to cloud.

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