



Hardened Security for Intel® Processors

Protection through a hardened
full-stack security solution.



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Lockheed Martin Hardened Security has been optimized with Intel® Xeon® Scalable Processors as a virtualized platform that offers a full security run-time solution, which isolates and protects customer domains. We offer a full range of security controls that provide improved availability through more deterministic quality of service, greater data confidentiality through hardware accelerated memory encryption with a secure integrity chain of trust for the runtime environment.

This deployment helps protect your most valued workloads and data from edge to cloud and enables businesses to:

- Separate sensitive data from untrusted workloads.
- Provide domain protection against data leakage, modification, and privilege escalation.
- Quickly deploy hardened security on a performance-optimized infrastructure.

CAPABILITIES

- Partitioning and isolation of shared resources including cache, cores, memory and devices in the virtualized environment.
- Cryptographic ID support of attestation and encrypted communication, including in-line memory encryption.
- Isolation techniques to create more runtime security domains within a trusted virtualization environment.

Capabilities Continued

- Hardware-enforced firewalling to separate sensitive data from untrusted workloads and provide more deterministic workload performance for multi-core Intel processors.
- Resistance to unauthorized modifications with advanced security controls to manage virtual machines within a trusted virtualization environment.
- Hardware encrypted memory protection.
- Co-engineered and delivered as an Intel Select Solution.

BENEFITS

- Advanced enterprise security
- Predictive workload determinism
- Boot protections
- Runtime security
- Enhanced quality of service
- Reduced total cost of ownership
- Advanced enterprise security
- Faster deployment and security of virtualized workloads

CONTACT INFORMATION

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