



Securing the Cloud

Trapezoid selects the Intel® Xeon® processor E7 v2 family to increase the analytics performance and density of its cloud security solution



“Incorporating the Intel® Xeon® processor E7 v2 family into our cloud security solution enables us to support more virtual machines—and more customers—on each server. We can accelerate deployment, facilitate rapid scalability, and keep costs low.”

— Robert Rounsavall,
Co-founder and President,
Trapezoid

Company

Trapezoid offers innovative security solutions that help verify trusted connections between a wide range of systems and the cloud computing environments they access. The company’s Trust Visibility Engine* is a software-as-a-service (SaaS) solution that helps increase visibility into hardware systems, conduct analytics and compliance reporting, track virtual machines, and facilitate remediation of security problems.

Challenge

To provide an integrated software and hardware solution, Trapezoid needs a processor architecture that can deliver the performance to handle increasing data and analytical workload volumes; the memory capacity to support a scalable, multi-tenant environment; and the density to maximize computing capacity in a small physical footprint. The company also requires a processing architecture with integrated security capabilities to help optimize data security.

Solution

After running pilot tests to evaluate new Intel® processors, Trapezoid selected the Intel® Xeon® processor E7 v2 family as the foundation for its cloud security solution. As with the previous platform, the Trapezoid solution capitalizes on Intel® Trusted Execution Technology (Intel® TXT) to verify the identity and integrity of server hardware and software components and to track the location of workloads across the cloud environment.

Benefits

Pilot testing showed that the Intel Xeon processor E7 v2 family can deliver strong analytics performance and maintain high standards for security and reliability. At the same time, the new processors help create a high-density infrastructure. “Incorporating the Intel Xeon processor E7 v2 family into our cloud security solution enables us to support more virtual machines—and more customers—on each server,” says Robert Rounsavall, co-founder and president of Trapezoid. “We can accelerate deployment, facilitate rapid scalability, and keep costs low.”

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No computer system can provide absolute security under all conditions. Intel® Trusted Execution Technology (Intel® TXT) requires a computer with Intel® Virtualization Technology, an Intel TXT-enabled processor, chipset, BIOS, Authenticated Code Modules, and an Intel TXT-compatible measured launched environment (MLE). Intel TXT also requires the system to contain a TPM v1.s. For more information, visit www.intel.com/technology/security

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