

# Business Solution Provider Protects Applications and Sensitive Customer Data with Trend Micro™ Deep Security

Workstream's Software as a Service (SaaS) approach to enterprise workforce management helps businesses cost-effectively manage workforce productivity, engagement, and satisfaction. The company's datacenters host its customers' highly sensitive corporate and employee information, and Workstream must protect this data while ensuring continuity of online services.

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*“Using VMware and Trend Micro together enables us to scale while keeping security and application availability at the forefront of our customer solutions.”*

— Steve Purello,  
Chief Executive Officer  
Workstream

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## KEY BENEFITS

- **Robust threat protection.** Vulnerabilities are blocked with intrusion detection and prevention, web application protection, application control, firewall, integrity monitoring and log inspection.
- **Flexibility and cost effectiveness.** On average, 30 virtual machines are configured on each physical server.
- **Simplified administration.** The virtualized model has consolidated multiple datacenters into one.
- **Scalability.** The computing environment can easily and cost-effectively grow in a modular way, without compromising security, as the customer base grows and applications are added.

## PROTECTING SAAS DATACENTERS

Workstream's customers rely on a web-portal interface to access custom applications that are hosted and managed by the Workstream datacenter teams. These business customers also trust Workstream to securely host their essential corporate information assets. Protection of this data and continuity of online SaaS solutions are key to the business value Workstream delivers to its customers.

As Workstream's business grew, the company was faced with maintaining multiple datacenters running multi-stage customer deployments, and a platform-independent services-oriented architecture (SOA). Workstream had implemented Trend Micro™ Deep Security to protect mission-critical servers as part of a comprehensive defense-in-depth security strategy. With increased virtualization, the company needed to extend this security posture to ensure they would be protected from new types of attacks and exploits specific to a fully virtualized environment. As a public company (OTCBB: WSTM) Workstream is also required to meet stringent regulations and standards such as SAS70 and Sarbanes-Oxley.

## CONSOLIDATING SERVERS

Workstream investigated alternatives for improving datacenter costs and made the decision to introduce a VMware™ Infrastructure 3 Enterprise, including ESX™ Server 3, VirtualCenter, VMotion, and HA. The virtualized platform allowed them to achieve significant cost savings by configuring 30 virtual machines per server, on average. The server consolidation also reduced the overall footprint of its datacenter.

“Our SaaS approach to enterprise workforce management saves money and time for our Fortune 100 customers,” said Steve Purello, the CEO for Workstream. “Turning to VMware ESX to consolidate our mission-critical servers into virtual environments increased our ability to maintain cost savings for our customers.”

By using Trend Micro Deep Security on its VMware virtual infrastructure, Workstream has also been able to maintain high levels of protection and availability for the commercial operating systems and custom-built applications hosted in the VMware ESX environment. Purello said, "With Trend Micro providing virtual machine security, we're confident in our ability to protect our customers' sensitive information."

Workstream must maintain a SAS70 Type II production environment. Operations access, authentication, and auditing are controlled through the use of Active Directory integration with VMware VirtualCenter and Deep Security Manager. VirtualCenter and Deep Security event mechanisms provide audit trails of actions on the virtual infrastructure and intrusion prevention system, as well as standardized reports to show access, activities and system configuration histories.

### MISSION-CRITICAL SERVER SECURITY

Workstream originally chose Deep Security to help ensure the 24x7 availability of mission-critical web applications, protect sensitive customer data, and speed delivery of best-of-breed products and services, while maintaining the highest security standards. As a provider of SaaS applications for Human Resource departments, Workstream is focused on protecting its customers' sensitive corporate and employee information used in the administration of functions such as recruitment, benefits, compensation and performance.

"Using VMware and Trend Micro together enables us to scale while keeping security, and application availability at the forefront of our customer solutions," said Purello.

With the recent acquisition of Third Brigade's business by Trend Micro, Deep Security has become part of Trend Micro™ Enterprise Security, a tightly integrated offering of content security products, services, and solutions that is powered by the Trend Micro™ Smart Protection Network™ infrastructure. Trend Micro Enterprise Security delivers immediate protection from emerging threats while greatly reducing the cost and complexity of security management.

### PREVENTING ATTACKS

Protecting custom-built applications from denial of service attacks and cybercriminals that might try to exploit a known or unknown vulnerability is complex and requires a special approach. Deep Security's host intrusion defense system is flexible and responsive: it predicts and blocks the ways in which an attacker might try to exploit system vulnerabilities. Working with Trend Micro, Workstream effectively protects customer information using proven, practical security approaches.

## CORPORATE PROFILE

**Workstream**  
**Maitland, Florida**

A public company with proven stability, Workstream is the premier provider of enterprise and mid-market talent management solutions and the only company to address the complete employee lifecycle. Workstream's ASP solution delivery model makes it easy for companies to deploy new functionality to their TalentCenter, providing demonstrable value and rapid return on investment. Easy to use and readily accessible, Workstream TalentCenter, and now Workstream Professional, provide a cost-effective, open alternative to the multiple, non-integrated, cumbersome systems required to deliver similar functionality. The company's solutions are offered on a monthly subscription basis, under a cost-effective Software as a Service (SaaS) model.

- **Industry/Vertical** Human capital management
- [www.workstreaminc.com](http://www.workstreaminc.com)

## TREND MICRO PRODUCTS

- **Trend Micro Deep Security**  
<http://us.trendmicro.com/us/solutions/enterprise/security-solutions/virtualization/deep-security/index.html>
- **Trend Micro Enterprise Security**  
<http://www.trendmicro/go/enterprise>
- **Trend Micro Smart Protection Network**  
<http://www.smartprotectionnetwork.com>



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