



Trend Micro InterScan Web Security and Citrix NetScaler SDX Platform Overview





Trend Micro and Citrix have a long history of partnership based upon integration between InterScan Web Security and Citrix® NetScaler® application delivery solutions. The next generation of SDX platform provides the foundation for further integration. Today, Citrix NetScaler SDX appliances enable consolidating multiple NetScaler instances onto a single purposebuilt appliance. Working together, Trend Micro and Citrix will jointly deliver InterScan Web Security on the next generation NetScaler SDX platform. This enables Trend Micro and Citrix to jointly deliver consolidated, best-in-class L4-7 networking services on an open, unified platform.

Citrix NetScaler Next Generation SDX Overview

The next generation of the NetScaler SDX platform provides an open platform that makes the whole network app-driven. Unlike monolithic approaches that compromise functional depth for functional breadth by adding piecemeal extensions to existing products NetScaler SDX consolidates best-in-class application delivery services onto an open, unified platform.

The next generation of SDX platform unifies best-in-class L4-7 network services into an application control layer, and can integrate this application control with both existing transport networks and emerging SDN technologies. This application control layer can make emerging L2-3 SDN architectures completely app-driven by using app-centric definitions and policies to simplify network design while making the whole network more intelligent.

The next-generation of SDX provides:

- **Control** by creating a unified application control layer composed from best-in-class L4-L7 network services.
- **Simplified** administration by using a prescriptive, app-driven approach for defining networking policy and topology and automating network configuration.
- **Consolidation** of network services while preserving best-in-class network functionality.
- **Intelligence** by ingraining application intelligence and comprehensive control into both existing L2-3 infrastructures and emerging SDN architectures.

The dynamic nature of cloud services requires a level of app-awareness, control and flexibility and that go beyond the capabilities of today's data center networks. Together, by integrating Trend Micro InterScan Web Security (IWS) and NetScaler SDX, Trend Micro and Citrix are delivering this app-awareness, control and flexibility to today's networks and tomorrow's SDNs in an open and unified manner.



Trend Micro InterScan Web Security Solution Overview

Faced with today's advanced Internet threats and the growing use of cloud-based consumer applications in the workplace, application visibility is essential to understanding network risks. InterScan Web Security combines the following capabilities in one tightly integrated solution to protect your network applications, data and users:

- **Leading Anti-malware:** Inspects inbound and outbound traffic for malware, botnets, phone home attempts, and more. Closes the HTTPS security loophole by decrypting and inspecting encrypted content selectively to balance content security with user privacy needs.
- **Real-time Web Reputation:** Leverages the Trend Micro™ Smart Protection Network™ web reputation technology blocks access to web sites with malicious activity to protect against new threats and suspicious activity in real time.
- **Flexible URL Filtering:** Utilizes real-time URL categorization and reputation to identify inappropriate or malicious sites, with six different actions to best reflect your productivity and security policies. Also, supports object-level blocking within dynamic web pages, such as Web 2.0 mashups, as well as preventing access to drive-by download, and phishing-related websites.
- **Deep Application Control:** Monitors and reports on more than 800 Internet protocols and applications, including instant messaging, peer-to-peer, social networking applications, and streaming media. Allows users to access cloud-based applications, while enforcing acceptable user policies to mitigate risks and conserve resources.
- **Integrated Data Loss Prevention:** Identifies sensitive data flowing through network egress points to identify risky business processes, as well as ensure and demonstrate compliance with corporate policies and regulatory requirements. Pre-defined templates simplify policy creation.

Further, by consolidating traditionally disparate network security functions into a single, integrated gateway security solution that comes in a cost-effective virtual form factor, InterScan Web Security dramatically reduces IT effort and cost.

Customer Value

Adding the best-in-class network security services of Trend Micro InterScan Web Security to NetScaler SDX Fabric enables organizations to:

- Consistently enforce network security policies across applications to improve protection and maintain compliance.
- Consolidate network transport and security functions for even easier management.
- Easily scale capacity up and down without changes to hardware for maximum cost efficiency.



Integration Strategy and Use-Cases

Trend Micro has worked closely with Citrix to ensure that its InterScan Web Security fits seamlessly within the NetScaler SDX Fabric. Specifically, IWS is validated to run directly on NetScaler SDX platform. This integration enables NetScaler SDX Fabric to scale virtual instances up and down, adds multi-tenancy to InterScan Web Security, and brings anti-malware, web reputation, data loss prevention and URL filtering security services to the NetScaler SDX Fabric.

Use Case 1: Web Application Security. Complement Citrix NetScaler Web Application Firewall with Trend Micro Anti-malware and Data Loss Prevention to prevent the exploit of vulnerabilities, installation of malicious code and ultimately the exfiltration of sensitive information within critical web-based applications.

Use Case 2: Network Consolidation. Complement Citrix NetScaler with Trend Micro Anti-malware, URL filtering and DLP to replace five traditionally separate network components into one for less hardware, management and cost.

Use Case 3: Web-based document submission. Complement Citrix NetScaler with Trend Micro Anti-malware to ensure the receipt of web-based files from unknown end users safely and expeditiously.



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About Trend Micro

Trend Micro Incorporated (TYO: 4704; TSE: 4704), a global cloud security leader, creates a world safe for exchanging digital information with its Internet content security and threat management solutions for businesses and consumers. A pioneer in server security with over 20 years' experience, we deliver top-ranked client, server and cloud-based security that fits customers' and partners' needs, stops new threats faster, and protects data in physical, virtualized and cloud environments. Powered by the industry-leading Trend Micro Smart Protection Network cloud computing security infrastructure, Trend Micro's products and services stop threats where they emerge – from the Internet. They are supported by 1,000+ threat intelligence experts around the globe.

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