

Trend Micro™ OFFICESCAN™

Endpoint protection for physical and virtual desktops

In the “bring-your-own-device” (BYOD) environment, protecting your endpoints against ever-evolving threats has become a costly juggling act for IT managers. With mobile devices and cloud computing, protection your data from loss or theft is top of mind. Add to that the performance issues associated with trying to apply traditional security to virtual desktop infrastructures and it’s clear, IT needs a flexible endpoint security platform that will adapt to changing needs with a light and lean architecture geared for performance.

Trend Micro™ OfficeScan™ endpoint security delivers real-time protection against the latest threats, in a light and lean client optimized for physical and virtual endpoint deployments. OfficeScan enhances your endpoint protection with cloud-based global threat intelligence, integrated data loss prevention (DLP), and a virtualization-aware client that reduces the endpoint footprint, protects sensitive data, and improves endpoint performance across the enterprise.

By providing a modular architecture, OfficeScan allows you to add additional protection as it’s needed. Security modules for data protection, Mac, or virtual patching can be immediately deployed—without having to roll out additional management or client infrastructure.

- **Superior malware protection:** Protects endpoints, on or off the corporate network, against viruses, Trojans, worms, spyware, and new variants as they emerge
- **Easy to deploy and manage:** Centralizes management capabilities, for heightened visibility and greater control
- **Security optimized for virtual desktop infrastructures (VDI):** Isolate control of desktop environments, streamline management, and consolidate and extend the life of existing hardware
- **Virtual patching against zero-day threats:** Shield vulnerabilities before they can be exploited, saving the cost of emergency patching
- **Extensible architecture:** Leverage flexible architecture to add security services as needed, and, apply future updates, without having to redeploy the entire solution
- **Integrated data loss prevention (DLP):** Protect your private data with this optional DLP module that secures the two most common vectors for accidental and intentional data leaks: USB devices and email
- **Centralized Visibility and Control:** When deployed with Trend Micro Control Manager, multiple OfficeScan servers can be managed through a single console; other Trend Micro products such as mobile and gateway security can also be integrated with OfficeScan through Control Manager
- **Mobile Security Integration (via Control Manager):** Centralize security management and policy deployment across all endpoints, using Control Manager to integrate Trend Micro Mobile Security and OfficeScan; Mobile Security includes mobile device threat protection, mobile app management, mobile device management (MDM), and data protection

Protection Points

- Physical endpoints
- Virtualized endpoints
- Windows PCs
- Macintosh computers
- Sensitive data

Threat Protection

- Anti-rootkit
- Antispyware
- Antivirus
- Firewall
- Data loss prevention
- Host intrusion prevention
- Vulnerability shielding
- Web threat protection

ADVANTAGES

Secure data on physical and virtual desktops from a central management platform

OfficeScan endpoint security defends against the growing number of attacks on endpoints, including virtual desktops, while delivering full visibility from a single console that integrates with your existing endpoint infrastructure.

- Reduces the burden of client updates, decreases agent footprints, and minimizes performance impact
- Queries up-to-the-second data on the safety of a file or web page before it's accessed
- Secures endpoints, on or off the corporate network, as new threats emerge
- Shields against vulnerabilities from zero-day threats via virtual patching
- Improves web performance and privacy by synchronizing with a local server
- Detects and removes active and hidden rootkits
- Safeguards endpoint mail boxes by scanning POP3 email and Outlook folders for threats
- Identifies and blocks botnet and targeted attack Command and Control (C&C) communications using global and local threat intelligence

Enable consumerization and BYOD without compromising security

When deployed with OfficeScan, Trend Micro™ Mobile Security extends your endpoint protection to smartphones and tablets—enabling centralized management, policy deployment, and visibility of all endpoint security through Trend Micro Control Manager. As a 4-in-1 solution, Trend Micro Mobile Security integrates mobile device antimalware, mobile app management, mobile device management (MDM), and data protection to help you manage BYOD.

- Centralizes management via Trend Micro Control Manager, for heightened visibility and greater control
- Protects sensitive data on smartphones and tablets by enforcing use of passwords and encryption, enforcing app restrictions, and remotely locking and wiping lost or stolen devices
- Reduces helpdesk and IT costs by simplifying device provisioning and management
- Reduces data loss by providing visibility and control of mobile apps, enabling you to determine which apps employees can use
- Identifies risky mobile apps by utilizing the cloud-based Trend Micro Mobile Application Reputation Service, enabling IT to set policies restricting app use
- Integrates with Active Directory to synchronize endpoint data and report on policy compliance
- Empowers IT to restrict the use of USB drives, CD/DVD writers, and other removable media
- Offers granular device control, including the ability to create specific rules based on make and serial number of the device
- Educates employees on corporate data usage policies through alerts, blocking and reporting

Key Benefits

- Recognizes if an agent is on a physical or virtual endpoint for optimum targeting
- Offers a flexible, modular architecture, quick updates, and instant deployments when needed
- Prevents network, CPU, and storage conflicts by serializing scan and updates per virtual server
- Provides virtual patching capabilities for quicker, more secure fixes
- Reduces scan times of virtual desktops by white-listing images and previously scanned content
- Light and lean cloud-client architecture increases performance to boost productivity

OfficeScan is available as a product, or as a component of these enterprise security suites:

- [Enterprise Security Suite](#)
- [Enterprise Security for Endpoints and Mail Servers](#)
- [Enterprise Security for Endpoints](#)

CUSTOMIZE YOUR ENDPOINT PROTECTION

Expand your existing Trend Micro endpoint security with optional security modules

Data Loss Prevention Module

Protect your sensitive data with the Data Loss Prevention (DLP) module, for maximum visibility and control.

- Protects private data—on or off network
- Advanced device control capability protects against data leaks via USB drives and other media
- Covers the broadest range of devices, applications, and file types
- Detects data-stealing malware and mitigates risky behavior
- Aids compliance with greater visibility and enforcement

Security for Mac Module

Provide a layer of protection for Apple Mac clients on your network by preventing them from accessing malicious sites and distributing malware—even if the malware is not targeted at Mac OS X.

- Reduces exposure to web-based threats, including fast-spreading Mac-targeting malware such as Flashback
- Adheres to Mac OS X look and feel for positive user experience
- Saves time and effort with centralized management across endpoints, including Macs

Intrusion Defense Firewall Module

Supplement OfficeScan client-level security with network-level Host Intrusion Prevention System (HIPS) for virtual patching.

- Virtually patch vulnerabilities in operating systems and client applications to block threats until patches are deployed
- Windows 8 support planned for Q1 2013

PRODUCT & OPERATING SYSTEM	VIRTUALIZATION SUPPORT	CPU	MEMORY	DISK SPACE
OfficeScan Server for: Microsoft® Windows® Server 2008, 2008 R2, 2003, 2003 R2; Microsoft Windows Storage Server 2008, 2008 R2, 2003, 2003 R2; Windows Compute Cluster Server 2003; Windows HPC Server 2008	<ul style="list-style-type: none"> • Microsoft Virtual Server 2005 • R2 with SP1 Microsoft Windows Server 2008 R2, 2008 with Hyper-V • VMware™ vSphere 4 • VMware™ ESXi Server 4 • VMware Server 2 VMware • Workstation and Workstation ACE Edition 7 	1.86GHz Intel™ Core™2 Duo processor or equivalent	2GB of RAM	3.5GB of available disk space
OfficeScan Client for: Windows® Server 2008, 2008 R2; Windows Storage Server 2008, 2008 R2; Windows HPC Server 2008	<ul style="list-style-type: none"> • Microsoft® Virtual Server 2005 R2 • Microsoft Windows Server 2008, 2008 • R2 Hyper-V Microsoft Hyper-V Server 2008 • R2 VMware™ ESX/ESXi Server 3.5, 4.0, 4.1, 5.0 • VMware Server 1.0.3, 2 • VMware Workstation and Workstation ACE Edition 7.0, 7.1 • VMware vCenter 4.0, 4.1 • VMware View 4.5 • Citrix XenApp 4.5, 5.0, 6.0 • Citrix XenServer 5.5, 5.6 • Citrix XenDesktop 5.0 	2GHz Intel™ Pentium™ processor or equivalent for 32 bit	2GB of RAM	3.5GB of available disk space
OfficeScan Client for: Windows® 8–32-bit	<ul style="list-style-type: none"> • Microsoft® Virtual Server 2005 R2 with SP1 • VMware™ ESX/ESXi Server 3.5, 4.0, 4.1, 5.0, 5.1 • VMware Server 1.0.3, 2 • VMware Workstation and Workstation ACE Edition 7.0, 7.1, 8.0, 9.0 • VMware vCenter 4.0, 4.1, 5.0, 5.1 • VMware View 4.5, 5.0, 5.1 • Citrix XenApp 4.5, 5.0, 6.0, 6.5 • Citrix XenServer 5.5, 5.6, 6.0 • Citrix XenDesktop 5.0, 5.5 	1GHz Intel™ Pentium™ processor or equivalent 2GHz recommended	1GB minimum with at least 100MB exclusively for OfficeScan client. 2GB recommended	350MB minimum
OfficeScan Client for: Windows® 8–64-bit	<ul style="list-style-type: none"> • Microsoft® Virtual Server 2005 R2 with SP1 • Microsoft Windows Server 2008 64-bit Hyper-V • Microsoft Windows 2008 R2 64-bit Hyper-V • Microsoft Hyper-V Server 2008 R2 64-bit • VMware™ ESX/ESXi Server 3.5, 4.0, 4.1, 5.0, 5.1 • VMware Server 1.0.3, 2 • VMware Workstation and Workstation ACE Edition 7.0, 7.1, 8.0, 9.0 • VMware vCenter 4.0, 4.1, 5.0, 5.1 • VMware View 4.5, 5.0, 5.1 • Citrix XenApp 4.5, 5.0, 6.0, 6.5 • Citrix XenServer 5.5, 5.6, 6.0 • Citrix XenDesktop 5.0, 5.5 	2GHz Intel™ Pentium™ processor or equivalent	1.5GB minimum with at least 100MB exclusively for OfficeScan client. 2GB recommended	350MB minimum

PRODUCT & OPERATING SYSTEM	VIRTUALIZATION SUPPORT	CPU	MEMORY	DISK SPACE
OfficeScan Client for: Windows® 7	<ul style="list-style-type: none"> • Microsoft® Virtual Server 2005 R2 2GB of RAM • Microsoft Windows Server 2008, 2008 • R2 Hyper-V Microsoft Hyper-V Server 2008 • R2 VMware™ ESX/ESXi Server 3.5, 4.0, 4.1, 5.0 • VMware Server 1.0.3, 2 • VMware Workstation and Workstation ACE Edition 7.0, 7.1 • VMware vCenter 4.0, 4.1 • VMware View 4.5 • Citrix XenApp 4.5, 5.0, 6.0 • Citrix XenServer 5.5, 5.6 • Citrix XenDesktop 5.0 	1GHz Intel™ Pentium™ processor or equivalent	2GB of RAM	350MB of available disk space. Web installation: Windows® Internet Explorer 7.0 or later
OfficeScan Client for: Windows® Vista®	<ul style="list-style-type: none"> • Microsoft® Virtual Server 2005 R2 • Microsoft Windows Server 2008, 2008 • R2 Hyper-V Microsoft Hyper-V Server 2008 • R2 VMware™ ESX/ESXi Server 3.5, 4.0, 4.1, 5.0 • VMware Server 1.0.3, 2 • VMware Workstation and Workstation ACE Edition 7.0, 7.1 • VMware vCenter 4.0, 4.1 • VMware View 4.5 • Citrix XenApp 4.5, 5.0, 6.0 • Citrix XenServer 5.5, 5.6 • Citrix XenDesktop 5.0 	1GHz Intel™ Pentium™ processor or equivalent	1.5GB of RAM	350MB of available disk space. Web installation: Windows® Internet Explorer 7.0 or later
OfficeScan Client for: Windows® XP	<ul style="list-style-type: none"> • Microsoft® Virtual Server 2005 R2 • Microsoft Windows Server 2008, 2008 • R2 Hyper-V Microsoft Hyper-V Server 2008 • R2 VMware™ ESX/ESXi Server 3.5, 4.0, 4.1, 5.0 • VMware Server 1.0.3, 2 • VMware Workstation and Workstation ACE Edition 7.0, 7.1 • VMware vCenter 4.0, 4.1 • VMware View 4.5 • Citrix XenApp 4.5, 5.0, 6.0 • Citrix XenServer 5.5, 5.6 • Citrix XenDesktop 5.0 	300MHz Intel™ Pentium™ processor or equivalent	512MB of RAM	350MB of available disk space. Web installation: Windows® Internet Explorer 7.0 or later

PRODUCT & OPERATING SYSTEM	VIRTUALIZATION SUPPORT	CPU	MEMORY	DISK SPACE
OfficeScan Client for: Windows® Embedded POSReady 2009	<ul style="list-style-type: none"> • Microsoft® Virtual Server 2005 R2 512MB of RAM • Microsoft Windows Server 2008, 2008 • R2 Hyper-V Microsoft Hyper-V Server 2008 • R2 VMware™ ESX/ESXi Server 3.5, 4.0, 4.1, 5.0 • VMware Server 1.0.3, 2 • VMware Workstation and Workstation ACE Edition 7.0, 7.1 • VMware vCenter 4.0, 4.1 • VMware View 4.5 • Citrix XenApp 4.5, 5.0, 6.0 • Citrix XenServer 5.5, 5.6 • Citrix XenDesktop 5.0 	300MHz Intel™ Pentium™ processor or equivalent	512MB of RAM	350MB of available disk space. Web installation: Windows® Internet Explorer 7.0 or later
Web-based Management Console		300MHz Intel™ Pentium™ processor or equivalent	128MB of RAM	30MB of available disk space. Web installation: Windows® Internet Explorer 7.0 or later



Securing Your Journey to the Cloud

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