

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, protecting 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 virtualization-aware client that reduces the endpoint footprint, protects sensitive data, and improves endpoint performance across the enterprise.

By providing an architecture that supports the easy application of additional protection as it's needed, OfficeScan broadens the flexibility of IT management, enabling the immediate deployment of data protection, mobile device and app management. With OfficeScan endpoint security you can add additional protection as you need it 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:** Protect your private data with this optional plug-in module by securing the two most common vectors for accidental and intentional data leaks: USB devices and email
- **Integrated Mobile Security:** Optional add-on provides mobile device management, anti-malware and app management to protect data across smartphones and tablets from a single management console

PROTECTION POINTS

- Data loss prevention
- Macintosh computers
- Mobile devices
- Physical endpoints
- Virtualized endpoints
- Windows PCs

THREAT PROTECTION

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

ADVANTAGES

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

OfficeScan endpoint security makes it possible to keep up with the growing number of attacks on any mobile device or endpoint 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 footprint 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

Enable Consumerization and BYOD without compromising security posture

Offered as a plug-in for OfficeScan, **Trend Micro™ Mobile Security** is an integrated mobile device, security and mobile app management solution that can be deployed and managed from your existing OfficeScan infrastructure to help you manage BYOD.

- Centralizes management capabilities, 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
- 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

CUSTOMIZE YOUR ENDPOINT PROTECTION

Expand your existing Trend Micro endpoint security with optional plug-in modules

Data Loss Prevention Plug-In Module

Protect your sensitive data with the Data Loss Prevention plug-in, 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 Plug-In 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

Security Optimized for Virtual Desktop Infrastructures

Extends consistent protection from your physical desktops to virtual desktops. You'll get security consolidated into a single, optimized in-guest agent for the highest security and portability at the virtual desktop.

- Serialized VDI security to prevent resource contention
- Protection that cleans, scans memory, and monitors behavior
- Base-image awareness to scan faster, save resources, and improve performance

Mobile Security Plug-In Module

Secure and manage corporate and employee-owned mobile devices.

- Supports policies for data access and protection by enforcing the use of passwords, encrypting data, and remotely removing data from lost or stolen devices
- Ensures the proper device configurations and adds protections to prevent malware and reduce the risk of compromised devices
- Saves time and money with centralized visibility and control of device management and security, along with the ability for end users to select consumer-grade devices at corporate discount prices

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

KEY BENEFITS

- Recognizes if an agent is on a physical or virtual endpoint for optimum targeting
- Offers integrated plug-in 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

| 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 SPI 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 | 1GB of RAM | 350MB of available disk space Web installation: Windows® Internet Explorer 7.0 or later |
| OfficeScan Client for: Windows® 8 - 32-bit | <ul style="list-style-type: none"> Microsoft® Virtual Server 2005 R2 with SPI 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 | 1 GB 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 SPI 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 | 1.5 GB minimum with at least 100MB exclusively for OfficeScan client 2GB recommended | 350MB minimum |
| OfficeScan Client for: Windows® 7 | <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 | 2GB 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® 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 |
| OfficeScan Client for: Windows® Embedded POSReady 2009 | <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 |
| 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 |



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