‘eScan™

Anti-Virus & Content Security

Endpoint Security
Whitepaper

What is Endpoint Security?

Endpoint security is a critical topic for a number of business organizations. Moreover the aspect that it covers can address a number of key points for different organizations.

However before getting into the depths of Endpoint Security, let's first break it down component wise.

What is Endpoint?

An Endpoint can be defined as a computer system or device that acts as a network client and serves as a workstation or personal computing device. Endpoints are often mobile and intermittently connected. Best examples would be laptops, desktops, and personal computing devices such as PDAs, Smartphones and Tablets. An application server can also be considered as an endpoint as long as it functions as a network host.

What is Security?

There is no single definition that will explain the term Security. However we can relate to it in our own way and method. However in a business environment, security means defining and controlling access to networks and systems, analyzing the purpose, condition and task permitted by the access. Security in a network includes Security from threat to property, safety and privacy. That apart, it also includes management and mitigation of risks due to exposure to these threats.

Summary

The huge influx of consumer owned smartphones and tablets are becoming a major security challenge for most organizations. IT departments are facing major issues securing data on these devices which they have very little or no control over. The benefits which are brought in by mobile devices are plenty but there are also concerns that need to be addressed.

The overall volume of malware attacks and compromised websites will grow at a steady pace which will evidently make both governments and organizations place more importance on cyber-security. We are witnessing more than a steady growth in the distribution of malicious

software and malicious links which translates to a 40% increase in malicious activity as compared to last year. Intermediate threats also showed the ineffectiveness of deploying weak passwords. Moreover OS and application patching also comes in as a challenge as far as IT security is concerned. What we have witnessed is an increase in infection from hacked legitimate websites and drive-by-downloads – this further fortifies the need to patch vulnerable applications, browsers and operating systems. And with newer platforms and devices being introduced there is a growing need to upgrade our existing security tools.

eScan Endpoint Security enables organizations to take a more holistic and effective approach to protecting their endpoints—laptops, desktops, and servers. It comes clubbed with the most essential security technologies to proactively deliver the highest level of Security against known and unknown threats, including viruses, worms, Trojan horses, spyware, adware, rootkits, and zero-day attacks. This offering combines industry-leading antivirus, antispyware, and firewall with advanced proactive security technologies in a single deployable agent that can be administered from a central management console. Also, administrators can easily disable or enable any of these technologies based on their particular needs. Through its seamless and multilayered Security solution, eScan Endpoint Security delivers:

Advanced Threat Protection: Built from the ground up, eScan Endpoint Security is designed to provide Security against known and unknown threats from both inside and outside the organization. eScan Endpoint Security is built to analyze application behavior and network communications that help restrict usage of high risk devices and execution of applications.

Simplified approach to Endpoint Security: The inclusion of a single point agent makes eScan Endpoint Security easy to install, maintain and update – allowing organizations save valuable time and money. Its automated updates provides Security from all types of threats and gives administrators comprehensive endpoint visibility with its state of the art Management Console, which includes graphical reporting, centralized logging and malware outbreak alert.

One product, multiple technologies
With the ever growing threats to the IT infrastructure, administrators understand the need towards implementing Endpoint Security. However, this more often than not translates into making sure that each endpoint has a security option installed to provide all-round protection. Individual deployment of security products not only ends up to be a time consuming process but it also translates to increased overhead cost and IT complexity.

To help simplify the deployment method and to effectively manage multiple solutions, eScan comes with an all-round Security system that can be administered from a single management console. eScan's Endpoint Security solution eliminates administrative overheads and costs associated with multiple security solutions. In addition it provides utmost flexibility and scalability to administrators. For instance, they have the freedom to enable or disable additional technology modules as and when needed. This makes it easy for organizations to implement and configure the solutions they need that will help address their requirements.

Single Point of Control

eScan Endpoint Security integrates antivirus, antispyware, firewall, device & application control, and state-of-the-art host intrusion prevention system into a single agent that empowers organizations to customize the level of Endpoint Security. eScan Endpoint Security requires less memory and consumes fewer resources, while giving the user an increased level of security. The culmination of various technologies into a single endpoint security agent enables operational efficiencies such as a single communication method across all of its security technologies. Service configuration and exclusions can be performed globally either via an internal single point console or the management server. Furthermore, automated security updates to the agent provide hassle-free Security from the latest threats. eScan Endpoint Security provides a single, simplified user interface on the client. Administrators can customize the interface, allowing them to decide which technologies can run and which configuration options will not be available to the end user. This further gives administrators flexibility and control to administrators that fit the organizations unique requirements. In addition, the features and options can easily be turned on or off at any given point by the administrator.

Integrated Management Console

The ability to manage and control all services provided by eScan Management Console, enables administrators to take a defined approach to eScan's built-in endpoint security management system. With the integrated management console, administrators can create and manage policies, assign them to agents, view logs and run reports for each managed endpoint. In addition to this, it enables operational efficiencies that help in maintaining software updates, policy updates, reporting and maintenance of multiple licenses. Administrators get the freedom to fine tune tasks while simplifying and unifying upper management efforts - this further helps reduce the total cost of ownership. Moreover, eScan's Management Console structure is such that it allows different administrators to be granted different levels of access based on their role and responsibilities. It also supports Microsoft's Active Directory which further helps administrators to authenticate and authorize users and computers within a Windows network domain. This multilayered approach offers world-class

Security across all endpoints that significantly lowers risks without added resource overhead. In addition, with eScan built-in asset management administrators can manage all of the IT assets using a single console thus giving them the ability to conduct in-house security audits as and when required.

Lower cost of ownership
By offering a multitude of integrated security options, eScan Endpoint Security lowers the overall cost of ownership thus allowing organizations reduce administrative overhead and the costs associated with managing multiple endpoints.

Highest level of security
eScan Endpoint Security seamlessly combines best-in-breed Security mechanisms into a single agent to deliver the highest level of comprehensive endpoint security:
- Anti-Virus/antispyware
- Network threat Security
- Proactive threat Security

In addition, eScan Endpoint Security is network access control ready. With this, organizations can ensure endpoints abide by corporate security policies before gaining network access. The deployment of eScan Endpoint Security eliminates the need to have multiple network access control software across all endpoints within an organization.

Closing Points
Organizations can no longer rely solely on traditional security solutions to effectively combat today's sophisticated, stealthy and targeted attacks. Organizations need to effectively implement a defined security protocol capable of proactively protecting against zero-day threats. They need to take a defined approach that effectively secures the organization from threats at all levels.

Our Offices

USA:
MicroWorld Technologies Inc.
31700 W 13 Mile Rd, Ste 98
Farmington Hills, MI 48334,
USA.

Tel: +1 248 855 2020/2021
Fax: +1 248 855 2024.
TOLL FREE: 1-877-EZ-VIRUS
(USA Only)

E-mail: sales@escanav.com
Web site: www.escanav.com

India:
MicroWorld Software Services Pvt.
Ltd.
Plot No.80, Road No.15, MIDC,
Marol, Andheri (E),
Mumbai- 400 093, India.

Tel: +91 22 2826 5701
Fax: +91 22 2830 4750

E-mail: sales@escanav.com
Web site: www.escanav.com

Germany:
MicroWorld Technologies GmbH
Drosselweg 1,
76327 Pfinztal,
Germany.

Tel: +49 72 40 94 49 0920
Fax: +49 72 40 94 49 0992

E-mail: sales@escanav.de
Web site: www.escanav.de

Malaysia:
MicroWorld Technologies Sdn
Bhd.
(722338-A)
E-8-6, Megan Avenue 1,
189, Jalan Tun Razak,
50400 Kuala Lumpur, Malaysia.

Tel: +603 2333 8909 / 8910
Fax: +603 2333 8911

E-mail: sales@escanav.com
Web site: www.escanav.com

South Africa:
MicroWorld Technologies South
Africa (Pty) Ltd.
376 Oak Avenue, Block C
(Entrance at 372 Oak Avenue),
Ferndale, Randburg, Gauteng,
South Africa.

Tel: Local 08610 eScan (37226)
International: +27 11 781 4235
Fax: +086 502 0482

E-mail: sales@escan.co.za
Web site: www.escan.co.za

Mexico:
eScan Mexico
Manzana 3, SuperManzana 505,
Lote 13, Fraccionamiento Pehaltun,
C.P. 77533, Cancun, Quintana Roo,
Mexico.

Tel: +52 998 9893157

E-mail: ventas-la@escanav.com
Web site: www.escanav.com.mx