

*Helping to reduce risk by providing comprehensive visibility into potential exposures*



## **IBM Vulnerability Management Service**

### **Addressing today's dynamic vulnerability landscape**

Today's businesses rely on increasingly complex networking environments to expand commerce and accessibility to customers, partners and suppliers. This new business environment offers improved productivity, greater operational efficiencies and increased cost savings. However, the intense pace of upgrades and patches creates new vulnerabilities daily, increasing the risk of a security breach. IBM Vulnerability Management Service, offered by IBM Internet Security Systems (IBM ISS), is a comprehensive program designed to help organizations implement the tools, methodologies and best practices required to address today's dynamic vulnerability landscape. Vulnerability Management Service

is part of the revolutionary protection on demand services platform from IBM ISS, which helps organizations of all sizes proactively respond to Internet threats while integrating security with key business processes.

This turnkey solution focuses on vulnerability discovery, prioritization, remediation, dynamic protection, verification and customizable reporting. By combining internal and external managed scanning services with integrated workflow and case management capabilities, the IBM Vulnerability Management Service provides organizations with comprehensive visibility into each area of potential exposure within a distributed network

environment. Each component forms an integral part of the vulnerability management framework, helping not only to reduce risk but also to enhance—and quantify—an organization's overall security posture.

### **Benefits**

- *Helps to lower total cost of ownership while potentially improving security posture*
- *Assists in meeting industry-specific certification and regulatory compliance guidelines such as those specified in the Sarbanes-Oxley, HIPAA and Gramm-Leach-Bliley legislation, among others*
- *Reduces exposure to worms and other high-risk vulnerabilities*
- *Assists in increasing productivity and operational efficiencies and in reducing business/systems downtime*

- *Uses dynamic virtual patching to help minimize risk of vulnerability exploitation*
- *Helps to improve the productivity of those responsible for vulnerability remediation*
- *Allows for ease of setup and improved business operations by providing out-of-the box integration with ticketing systems*
- *Integrates with other IBM managed services to enhance service functionality*
- *Comprises a significant part of the protection on demand services platform*

#### **Features**

- *Provides on demand vulnerability management for small, medium and large enterprises*
- *Provides internal and external scanning as well as flexible asset grouping and prioritization*
- *Provides customizable views and dynamic access to vulnerability data*
- *Allows for the tracking of individual assets, device criticality and assignment of owners*
- *Provides 24x7 access to scan results and scheduling via the IBM Virtual-Security Operations Center (Virtual-SOC) portal*
- *Provides 24x7 access to IBM security professionals*

- *Delivers instant access to IBM ISS X-Force® security intelligence and research*
- *Out-of-the box integration with ticketing systems allows for ease of setup and improved business operations*
- *Provides a comprehensive toolset for policy-based workflow management and remediation tracking*
- *Delivers accurate and detailed customizable vulnerability reporting, including enterprise multiscan, group-based, default and compliance reporting in multiple formats*
- *Provides a results-oriented view into service performance and security posture, either in a stand-alone presentation or combined with data from multiple IBM Managed Security Services*

#### **Virtual-Security Operations Center (Virtual-SOC)**

The IBM ISS Virtual-SOC is the engine that enables ISS Managed Security Services and the delivery of protection on demand services. The Virtual-SOC combines the capabilities of five global security operations centers (SOCs), advanced analysis and correlation, artificial intelligence, industry-leading security expertise and a high-impact Web-based management portal in a single unified system. The Virtual-SOC has been designed to reduce the complexity and burden of manual data analysis and to improve the accuracy of security event identification, and incident escalation and remediation.

#### **Combined service offerings**

For the best possible managed security program, IBM Internet Security Systems recommends combining the Vulnerability Management Service with:

- *IBM Managed Protection Services for networks, servers and desktops*
- *IBM Managed Intrusion Detection and Intrusion Prevention Services*

#### **Why IBM Internet Security Systems?**

A preemptive security approach requires marketplace-leading research, a keen eye for attack trends and techniques, and a streamlined and affordable platform for delivering advanced security solutions that are knowledge-based. IBM Internet Security Systems commands the extensive knowledge, innovative research methods and complex technologies required to achieve preemptive security. Our experienced and certified consultants, architects, project managers and subject matter experts are prepared to provide your organization with a comprehensive platform of preemptive security solutions designed to protect your entire IT infrastructure, from the network gateway to the desktop.

## Devices scanned

IBM AIX®	Fedora Core	NEC EWS-UX/V	SCO Open Server
BeOS	FreeBSD	NEC UP-UX/V	Slackware Linux
BSD generic	HP Apollo Domain/OS	NEC UX/4800	Solaris
Caldera OpenLinux	HP-UX	NetBSD	SunOS
Caldera UnixWare	IBM AS/400®	NeXTSTEP	SuSE Linux
Cisco IOS	Immunix	Novell NetWare	Trustix Secure Linux
Compaq True64	IRIX	OpenBSD	Turbolinux
Conectiva Linux	Linux® based OS	OpenVMS	Ultronix
Convex OS	Mac OS	OS/2	UNICOS
Debian Linux	Mandrake Linux	OS-9	UnitedLinux
DG/UX	Microsoft® Windows®	QNX	VxWork
EnGarde Secure Linux	(all versions)	RedHat Linux	

## Tests performed

Brute-force password-guessing	Firewalls	Protocol spoofing	Windows password checks
Backdoors	FTP	Router switch	Windows password policy
Browser CGI-Bin	Information gathering	RPC	Windows patches
Daemons	Instant messaging	Shares	Windows policy issues
DCOM	LDAP	SNMP	Windows registry
Denial-of-service	NetBIOS	Web scan	Windows services
DNS	Network sniffers	Windows critical issues	Windows users
E-mail	NFS system requirements	Windows groups	X-Windows
	NIS	Windows networking	

## Vulnerability Management Service features

Features	External Scanning	Internal Scanning
Ideal for	Identifying vulnerabilities within the network perimeter	Identifying vulnerabilities across the entire enterprise
Organization size	Any	Any
Number of available scans	Based on number of IPs and frequency	Unlimited scans of a specified set of IPs
Hardware platform required	No	Yes
Available policies	16	16
Scans external IPs	Yes	Yes
Scans internal IPs	No	Yes
Scans scheduled via the Web	Yes	Yes
Ranking of discovered assets	Yes	Yes
Assignment of administrators to discovered assets	Yes	Yes
Assign vulnerabilities for remediation	Yes	Yes
Dynamic virtual patching	Yes	Yes
Full vulnerability remediation workflow	Yes	Yes
Historical trending of vulnerability data	Yes	Yes
Industry and vertical comparisons	Yes	Yes
IBM X-Force Threat Analysis Service	Yes	Yes
Verification of resolved vulnerabilities	Yes	Yes
Trouble-ticket integration	Optional add-on	Optional add-on
Multiple report audiences	Yes	Yes
Integration with other IBM Managed Security Services and Managed Protection Services	Yes	Yes
Assists with regulatory compliance	Yes	Yes
Service level agreements	Yes*	Yes*

\*Specific service level agreements apply for both internal and external scanning.

**For more information**

To learn more about IBM Internet Security Systems Vulnerability Management Security Service, contact your IBM Internet Security Systems representative to schedule a consultation. Call 1 800 776-2362, send an e-mail to [consulting@iss.net](mailto:consulting@iss.net), or visit:

**[ibm.com/services/us/iss](http://ibm.com/services/us/iss)**

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