





IBM Internet Security Systems



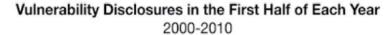
Agenda

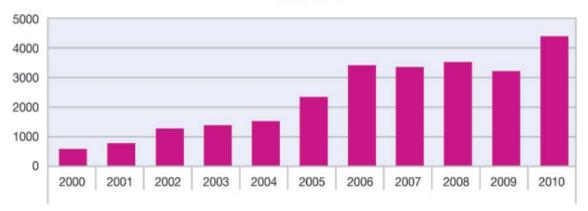
- **IBM ISS Product Portfolio**
- 2 IBM Security Network IPS + Initial Configuration Demo
- 3 IBM Security Server Protection Solutions (VSP + Host IPS)
- SiteProtector Training + Demonstration of the Products
- 5 **Access to Resources (Training + Docs + Support)**
- **Questions & Answers** 6



Vendors Reporting More Vulnerabilities Than Ever Before: Vulnerability Disclosures at an All-Time High

- Vulnerability disclosures up 36%.
 - Web applications continue to be the largest category of disclosure.
- Increase in vulnerability disclosures due to significant increases in public exploit releases and to efforts by several vendors to identify and mitigate security vulnerabilities.
- The most critical two vulnerabilities disclosed in the first half of 2010 were remote code execution vulnerabilities in Java Web Start and Microsoft Windows Help and Support Center
 - Both were publicly disclosed before patches were available from the respective vendors

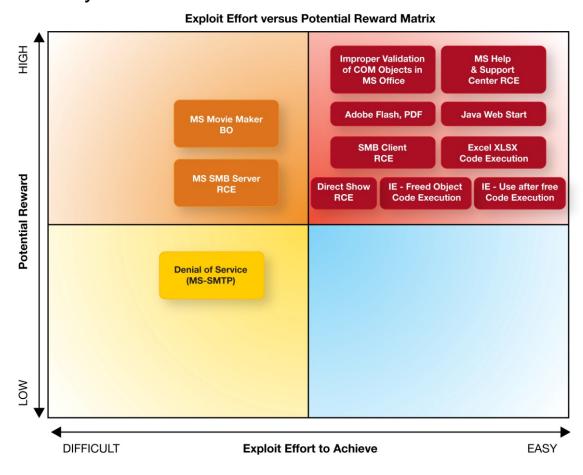






Exploit Effort vs. Potential Reward

- Economics continue to play heavily into the exploitation probability of a vulnerability
- Web Browser, Document Reader and Office document vulnerabilities are very profitable and easily executable



Source: IBM X-Force®



Patches Still Unavailable for Over Half of Vulnerabilities

Over half (55%) of all vulnerabilities disclosed in the 1st half of 2010 had no vendor-supplied patches to remedy the vulnerability. 71% of critical & high vulnerabilities have no patch.

of
five

Operating System	Percentage of Critical and High	Percentage of all OS Vulnerabilities
Microsoft	73%	27%
Apple	9%	29%
Linux	16%	31%
HP-UX	2%	1%
Sun Solaris	0%	4%
BSD	0%	4%
IBM AIX	0%	2%
Others	2%	4%

Table 9: Operating systems with the most critical and high vulnerability disclosures, 2010 H1.

Vendor	Percent of 2010 H1 Percent of Critical & High 20 Disclosures with No Patch	
All Vendors - 2010 H1 Average	55%	71%
Microsoft	23%	7%
Mozilla	17%	4%
Apple	12%	0%
IBM	9%	29%
Sun	8%	0%
Oracle	7%	22%
Cisco	6%	2%
Novell	5%	10%
HP	4%	5%
Linux	3%	0%
Adobe	3%	2%
Google	0%	0%

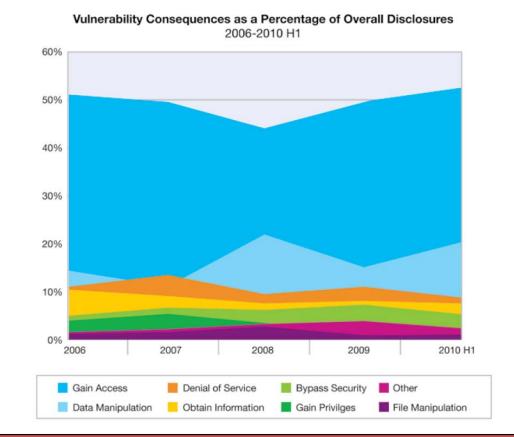


1st Half 2010 Attacker Motivation is to Gain Access and **Manipulate Data**

- "Gain access" remains the primary consequence of vulnerability exploitation.
 - Up to 52% in the 1st half of 2010 as compared to 50% in 2009.
- "Data Manipulation" on the rise.
 - Up to 21% in the 1st half of 2010
- "Bypass Security" and "Denial of Service" remain similar to previous years.

Questions to Ask:

- Are you confident that an attacker can not gain access to your system?
- Is your private data secure?



IBM Security Offerings:

- •IBM Tivoli Identity & Access Management Products & Services
- •IBM Security Network, Server and Endpoint Prevention products and services
- IBM Web Application Security Products & Services (Rational, IBM Security Network IPS, Data Power, MSS)
- IBM Data Security products and services (Guardium, Big Fix, MSS)



X-Force R&D - Unmatched Security Leadership

The mission of the IBM X-Force® research and development team is to:

- Research and evaluate threat and protection issues
- Deliver security protection for today's security problems
- Develop new technology for tomorrow's security challenges
- Educate the media and user communities



X-Force Research

10B analyzed Web pages & images

150M intrusion attempts daily

40M spam & phishing attacks

51K documented vulnerabilities

Millions of unique malware samples

Provides Specific Analysis of:

- Vulnerabilities & exploits
- Malicious/Unwanted websites
- Spam and phishing
- Malware
- Other emerging trends



IBM's Global Security Reach and Expertise



IBM has the unmatched global and local expertise to deliver complete solutions – and manage the cost and complexity of security





IBM Security Network Protection Proventia Gx IPS Proventia Mail Security Enterprise Network Scanner

IBM Security Server Protection Proventia Server Virtual Server Security

- Protect all assets on the network with Virtual Patch
- High performance network security with real-time attack, malicious code and hybrid threat blocking.
- Allows secure open transactions in a SOA environment which is an effective way to preserve network availability, reduce the burden on your IT resources and prevent security breaches.

- Virtual Patch at the host
- Privileged User Monitoring-- Provides historical data that enables companies to find the origin of a change, breach or string of behavior.
- Holistic Security for all virtual machines running on VMware ESX vSphere 4 platforms.



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Evolution of network security technology







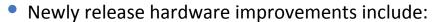
	Firewall	Intrusion Detection	Intrusion Prevention
Overview	Blocks or allows traffic based on source and destination characteristics (address/port)	Performs deep-packet inspection of traffic and triggers alerts when malicious activity is detected	Performs deep-packet inspection of traffic and blocks malicious activity
Physical Security Analogy	Lock	Alarm system	Armed guard
Shortcoming	Firewalls can be evaded	Doesn't prevent network breaches Requires human monitoring	Dependent on the quality of signatures, policies or content to accurately detect & block latest threats



IBM Security Network IPS Performance

Helping enterprises secure their networks

- Transparent, in-line network appliances block attacks while allowing legitimate traffic to flow unhindered
- Comprehensive line of models available:
 - Up to 8 Gbps inspected throughput capacity
 - Up to eight protected network segments



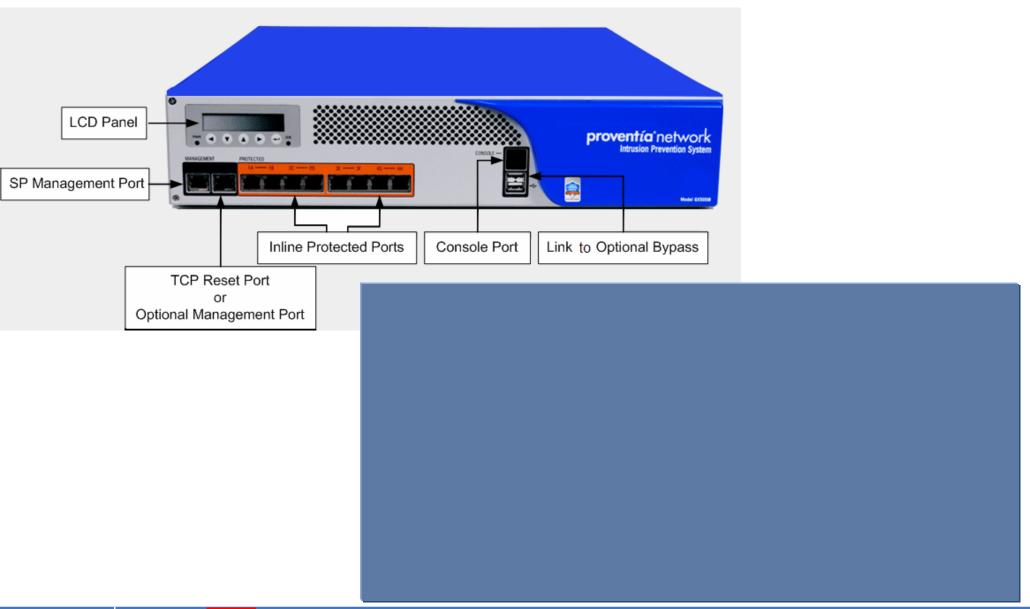
- Doubled the performance & added capacity to run security convergence services – data security, web application protection
- 64 bit processor
- Increased memory
- Improved motherboard for faster BUS speed



IBM Security Network IPS Throughput Metrics					
	Perimeter		Со	re	
Model	GX4004-V2	GX5008-V2	GX5108-V2	GX5208-V2	GX6116
Inspected Throughput	800 Mbps	1.5 Gbps	2.5 Gbps	4 Gbps	8 Gbps
Protected Segments	2	4	4	4	8



A Closer Look to IBM Security IPS





IBM Security Network Intrusion Prevention GX-V2 Hardware Refresh 2Q 2010

(Performance Enhanced)

- GX4004-V2
- GX5008-V2
- GX5108-V2
- GX5208-V2
- **GX7000 (Native 10GB+)**
 - *Multi-Core CPU's
 - ★Next Generation hardware design
 - *****Content Analysis performance headroom Performance Optimization
 - **★**Significant price/performance improvement
 - **★**64 Bit PAM









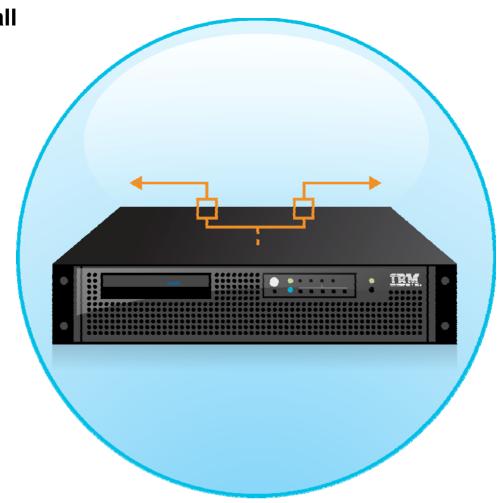
IBM Security Network IPS deployment





IBM Security Network IPS reliability

- Automatic bypass operation allows all traffic to pass in the event of:
 - Hardware failure
 - Power failure
 - Software crash
- Redundant components*
 - Hard drives
 - Power supplies
 - Cooling fans

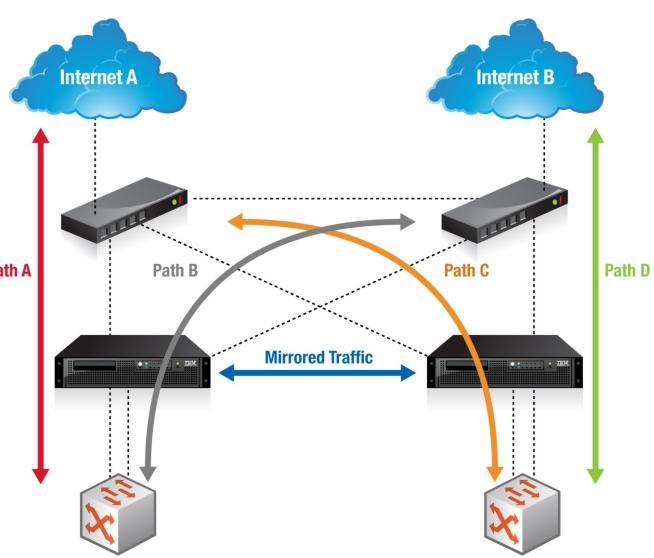




IBM Security Network IPS reliability continued

High Availability (HA)

- Support for multiple configurations
 - Active active
 - Active passive
- Full state maintenance on failover
- Geographic high availability option can use the management port to share quarantine blocking decisionspath A to ensure secure fail-over to a geographically remote standby IPS device.





Our Protocol Analysis Module is the engine behind our products

IBM Protocol Analysis Modular Technology

Intrusion prevention just got smarter with extensible protection backed by the power of X-Force













Virtual Patch

What It Does:

Shields vulnerabilities from exploitation independent of a software patch, and enables a responsible patch management process that can be adhered to without fear of a breach

Why Important:

At the end of 2009. 52% of all vulnerabilities disclosed during the year had no vendor-supplied patches available to remedy the vulnerability.

Client-Side Application Protection

What It Does:

Protects end users against attacks targeting applications used everyday such as Microsoft Office, Adobe PDF, Multimedia files and Web browsers.

Why Important:

At the end of 2009. vulnerabilities, which affect personal computers, represent the second-largest category of vulnerability disclosures and represent about a fifth of all vulnerability disclosures.

Web Application Protection

What It Does:

Protects web applications against sophisticated application-level attacks such as SQL Injection, XSS (Cross-site scripting), PHP fileincludes, CSRF (Crosssite request forgery).

Why Important:

Expands security capabilities to meet both compliance requirements and threat evolution.

Threat Detection & Prevention

What It Does:

Detects and prevents entire classes of threats as opposed to a specific exploit or vulnerability.

Why Important:

Eliminates need of constant signature updates. Protection includes the proprietary Shellcode Heuristics (SCH) technology, which has an unbeatable track record of protecting against zero day vulnerabilities.

Data Security

What It Does:

Monitors and identifies unencrypted personally identifiable information (PII) and other confidential information for data awareness. Also provides capability to explore data flow through the network to help determine if any potential risks exist.

Why Important:

Flexible and scalable customized data search criteria; serves as a complement to data security strategy.

Application Control

What It Does:

Manages control of unauthorized applications and risks within defined segments of the network, such as ActiveX fingerprinting. Peer To Peer, Instant Messaging, and tunneling.

Why Important: Enforces network application and service access based on corporate policy and governance.



Understanding IBM Security Network IPS

How it Works

Deep inspection of network traffic

Identifies & analyzes > 200 network and application layer protocols and data file formats

What it Prevents		
Worms	Spyware	
P2P	DoS/DDoS	
Cross-site Scripting	SQL Injection	
Buffer Overflow	Web Directory Traversal	

Protocol Analysis Module (PAM)		
Vulnerability Modeling & Algorithms	RFC Compliance	
Stateful Packet Inspection	TCP Reassembly & Flow Reassembly	
Protocol Anomaly Detection	Statistical Analysis	
Port Variability	Host Response	
Port Assignment	IPv6 Native Traffic Analysis	
Port Following	IPv6 Tunnel Analysis	
Protocol Tunneling	SIT Tunnel Analysis	
Application-Layer Pre- Processing	Port Probe Detection	
Shellcode Heuristics	Pattern Matching	
Context Field Analysis	Custom Signatures	
IBM Security Content Analyzer	Injection Logic Engine	



IBM Security[®] Content Analyzer



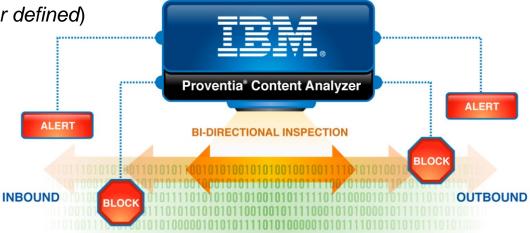


Deep content analysis helps prevent data loss:

- Monitors and identifies unencrypted personally identifiable information (PII) and other confidential data
- Enables data flow exploration to identify potential risks within the network
- Performs flexible and scalable customized data searches
- Enables compound data-set search string inspection

(e.g., name AND social security number AND User defined)

Complements data security strategy



UNENCRYPTED DATA



IBM Security® Content Analyzer (continued)

Delivers security effectiveness and data awareness. Proventia Content Analyzer inspects unencrypted data using up to 16 different signatures:

SIGNATURES
Credit Card Number
U.S. Name
Date
Dollar Amount
Email Address
Social Security Number
U.S. Phone Number
U.S. Postal Address
8 User-Defined

PROTOCOLS
*AOL IM
*Microsoft Messenger
*Yahoo Messenger
*IRC
HTTP
FTP
SMB
*SMTP
*IMAP
*POP3

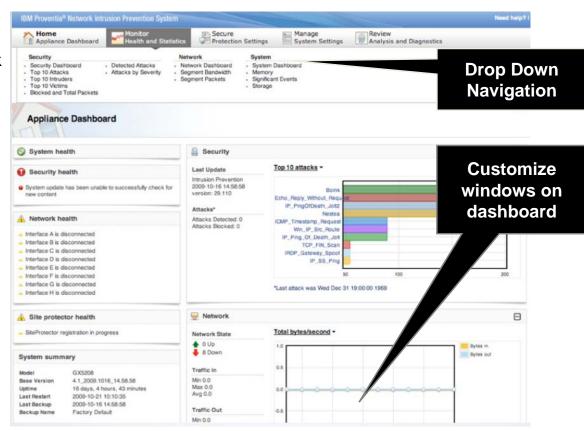
CONTENT
Microsoft Office Documents
PDF
Text
RTF
XML
HTML
GZIP
ZIP

^{*}Provides for inline inspection of attached files.



IBM Security Network IPS Management

- Browser-based local management interface (LMI)
 - Single view of health, protection and network statistics from a customizable dashboard
 - Simplified view of data security and web application protection policies from the LMI
 - Patch Management statistics and log evidence from the LMI
- Central management through IBM Security SiteProtector™ system
 - Simple, powerful configuration and control
 - Robust reporting, customized event viewing and event correlation
 - Comprehensive alerting and response options
 - Scheduled data retention to be used for compliance efforts
 - Highly scalable to accommodate hundreds of IBM Security Network IPS appliances





IBM Security Network Active Bypass (New Hardware)

Older



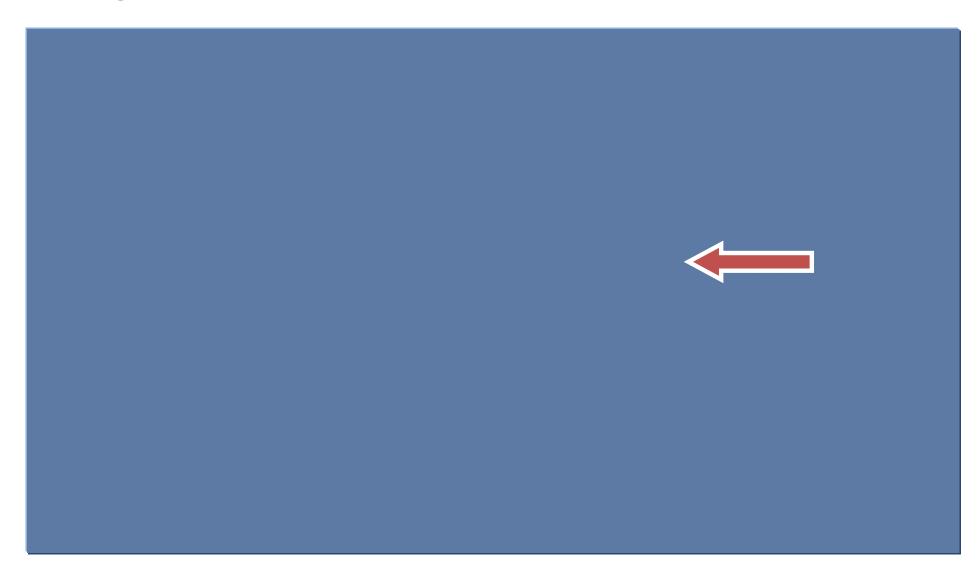
Newer



- Maximizes network availability by minimizing "time to failover"
- □ Enables uninterrupted access to applications by maintaining link state during bypass operations
- □ Powers high availability network IPS deployments
- □ Simplifies troubleshooting with SNMP trap support and e-mail support
- □ Supports up to four network segments in any combination of Copper, MM Fiber and SM fiber



Configurable User Interface





Bypass Deployment & Cabling – How to?

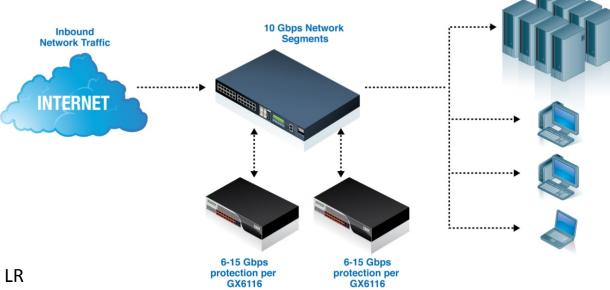




IBM Security Network Controller

- Provides 10 GbE connectivity for IBM Security Network IPS GX6116, GX5108 and GX5208
- Aggregates/segregates four 10 GbE ports to 24 1 GbE ports with configurable mapping
- Active bypass/switching prevents network disruption should the IPS appliance fail
- Passive bypass and power loss fail safe
- Supports multiple 10 GbE interfaces: SR and LR

10G network upgrades that leverage your existing investment in network protection



8 Gbps Protection per GX6116

12 Gbps real time total inspection throughput with 2 x GX6116



IBM Security Network IPS **Initial Configuration** Demo

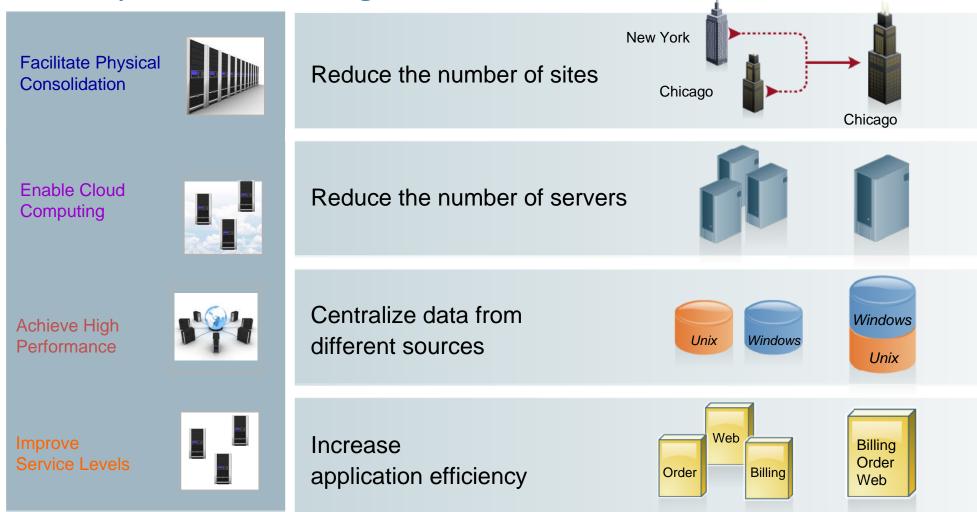


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Virtualization drives down total cost of ownership and helps drive efficiency within the IT organization

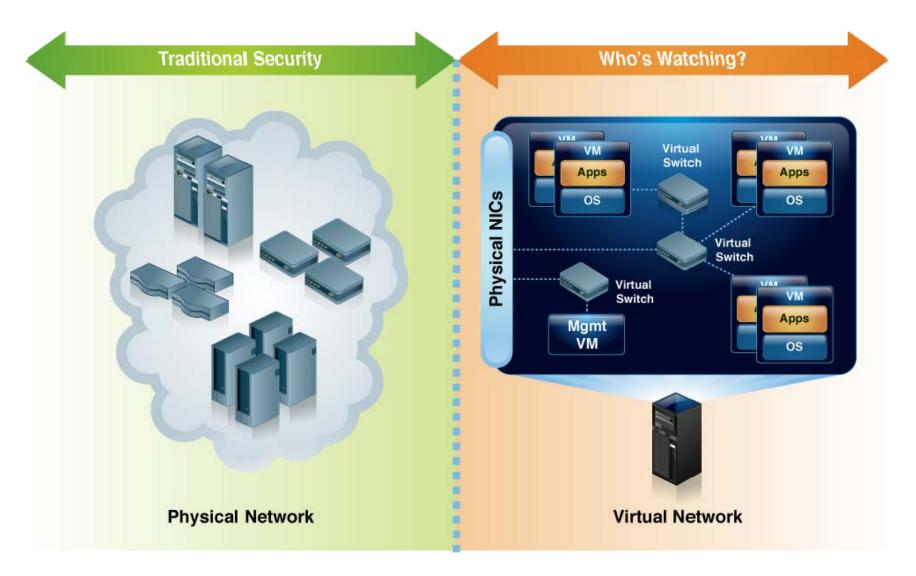


"Through 2010, IT infrastructure consolidation will remain the focus of IT infrastructure and operations cost reduction initiatives."

Source: Gartner, Inc.

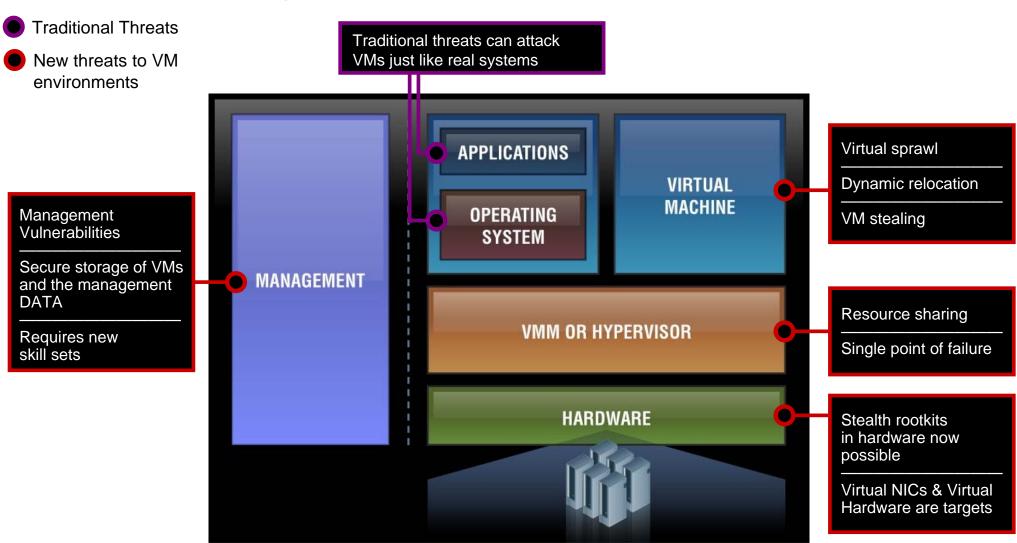


Server and Network Convergence





Security Challenges with Virtualization: New Risks



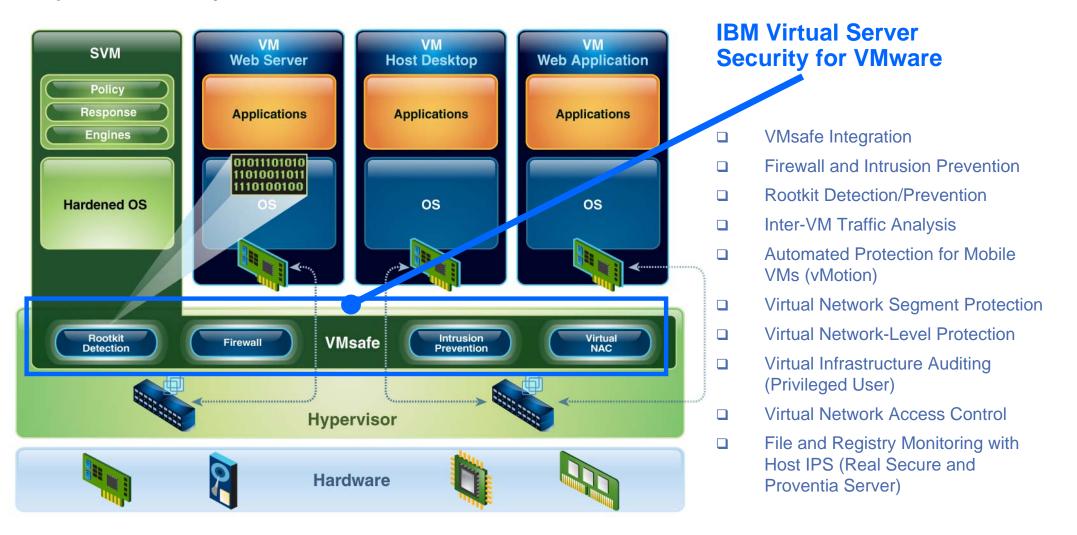
MORE COMPONENTS = MORE EXPOSURE



IBM Virtual Server Security for VMware

Integrated threat protection for VMware vSphere 4

Helps customers to be more secure, compliant and cost-effective by delivering integrated and optimized security for virtual data centers.





IBM Security Virtual Server Protection

- Provides integrated threat protection for VMware VSphere 4.
- Deployed as a Security Virtual Machine on the ESX hypervisor.
- Integrates with the hypervisor through VMsafe.
- Has the following features:
 - Firewall
 - Control inter-VM network traffic and shield your virtual infrastructure from the physical network.
 - Intrusion Prevention
 - IBM's Protocol Analysis Module powered by X-Force.
 - Virtual Network Access Control
 - Prevent virtual machine sprawl.
 - Rootkit Detection
 - Detect rootkit running inside virtual machines.
 - Virtual Infrastructure Auditing
 - Reports virtual machine events such as start/stop/create/remove to Siteprotector
 - Virtual Machine Discovery
 - Discovers virtual machine operating system and open ports.



Virtual Server Protection Benefits

- Non-intrusive
 - No reconfiguration of the virtual network is needed
 - When using the VMsafe Network API
 - No presence in the guest OS
 - Limitation on what can be analyzed
- Less management overhead
 - Virtual appliance form-factor
 - Only one Security Virtual Machine (SVM) required per physical server
 - 1 SVM can protect up to 200 virtual machines
 - Theoretical limit as it has not been tested with that many
- Automated
 - Privileged presence gives SVM holistic view of the virtual network
 - Protection automatically applied as VM comes online
- Protection for any guest OS
 - Exception: ARK module limited based on guest OS



Virtual Server Protection FAQ

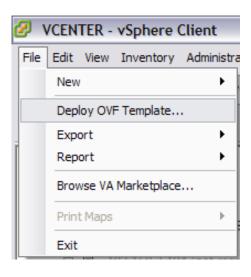
- Q1) How many of the (critical) software vulnerabilities could be fully mitigated through this Virtual Patching?
- IBM Security Virtual Server Security product uses same protection engine (PAM) that network IPS has, and currently, it has same security events (2741 security events)
- Q2) How much additional resources (processor power/memory) is needed?
- SVM needs at least 1 GB of RAM and more than 10 GB of available hard disk space. The SVM incurs a memory overhead for each virtual machine that it protects, but only a fixed amount of processor time. The amount of RAM allocated to the SVM must be appropriately scaled for the expected number of virtual hosts.
 - Q3) How much delay would that add to network packages?
- The VMware VMSafe API has two components, fast path and slow path, any VMsafe based products using slow-path slightly increase the virtual network latency, this is related to VMsafe slow-path performance issue. But this doesn't effect performance in virtual network. Alternatively Bypass Filters can be written to ignore the specific VM traffic by VMsafe.
 - Q4) Is it possible to turn off rest of the VSP's features (which may not needed) to free up resources? Yes, at anytime VSP can be shutdown or network monitoring option could be turned off completely or for a partucular VM.
- Q5) How is the product priced? (per VM or per real server?, is there possibility to buy sub-features separately - virtual patching alone?)
 - Licensing is based on CPU numbers (sockets, not cores) per ESX. Standart license include 2 x CPU, additional license should be purchased if ESX server has more than 2 CPUs.



IBM Security Virtual Server Security Installation & Integration with ESX

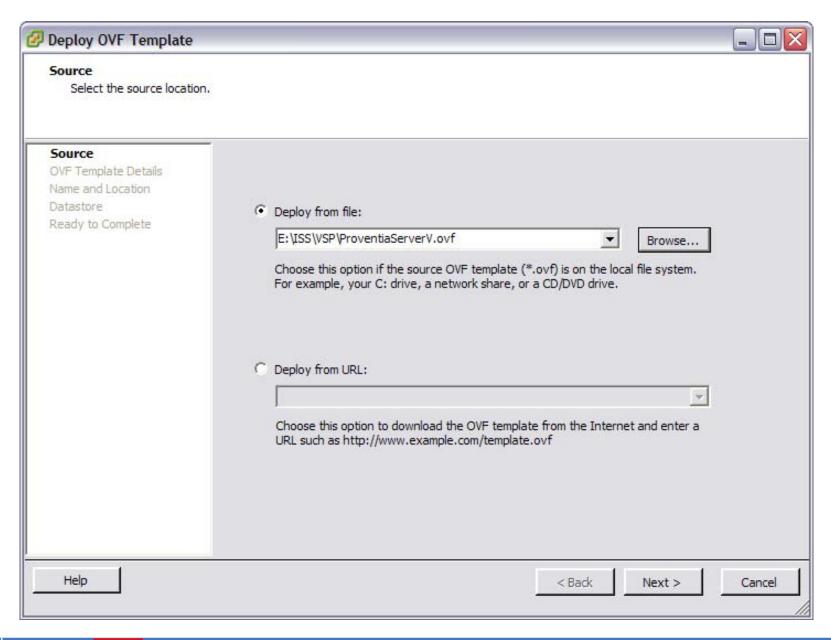


- VSP SVM is deployed to ESX via the VSphere client through means of an OVF file:
 - Open Virtualization Format: platform independent distribution format for virtual machines
 - Reduces configuration time
 - Compatible with automated image deployment solutions

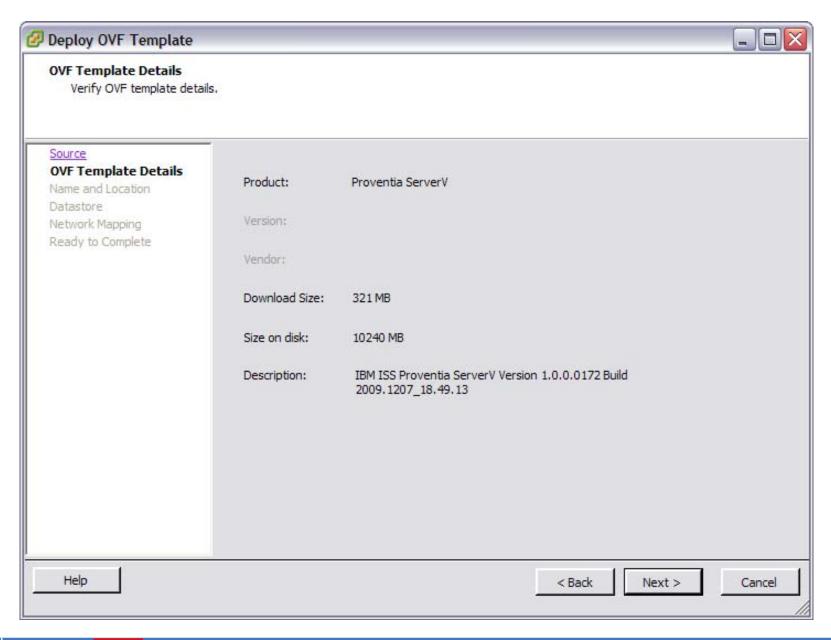


Name 🔺	Size	Type
12-17-09_VSS_for_VMware_GA_Announcement.doc	42 KB	Microsoft Word Document
20100504_roll_up_patch.sh	29,029 KB	SH File
20 100 504_roll_up_patch.zip	21,511 KB	WinRAR ZIP archive
☐ DB_SP_8_10.xpu	1,407 KB	XPU File
ProventiaServerV.ovf	6 KB	Open Virtualization Format Package
ProventiaServerV-disk1.vmdk	328,872 KB	VMware virtual disk file
■ readme.htm	8 KB	Firefox Document
readme.txt	3 KB	Text Document
Readme_SP_DBSP_8_10.htm	9 KB	Firefox Document
☑Virtual_Server_Security_for_VMware_System_Requirements.pdf	40 KB	Adobe Acrobat Document
₩ VSS_1.0.iso	330,354 KB	WinRAR archive
VSS_Administrator_Guide.pdf	491 KB	Adobe Acrobat Document
VSS_Installation_Guide.pdf	593 KB	Adobe Acrobat Document
VSS_Roll_Up.tar.gz	43,028 KB	WinRAR archive

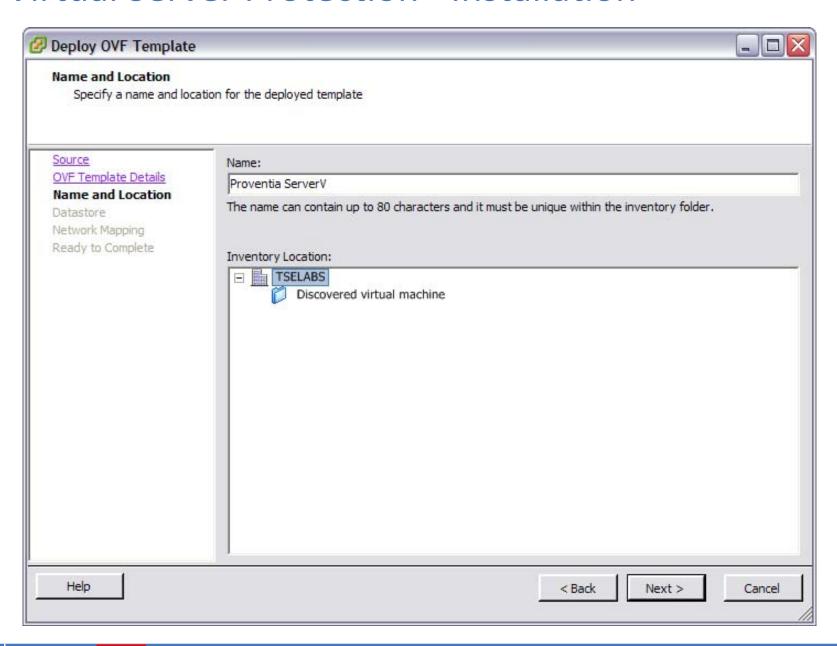




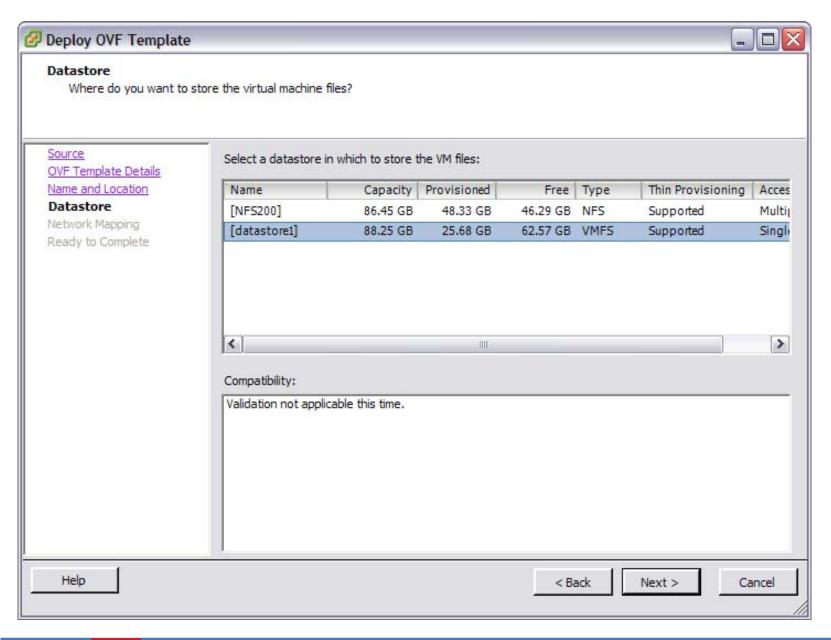




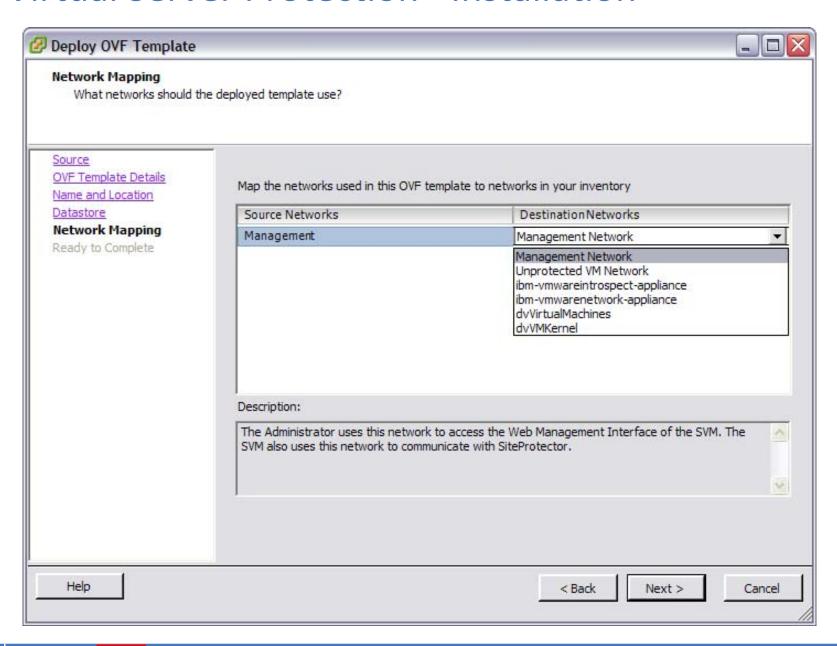




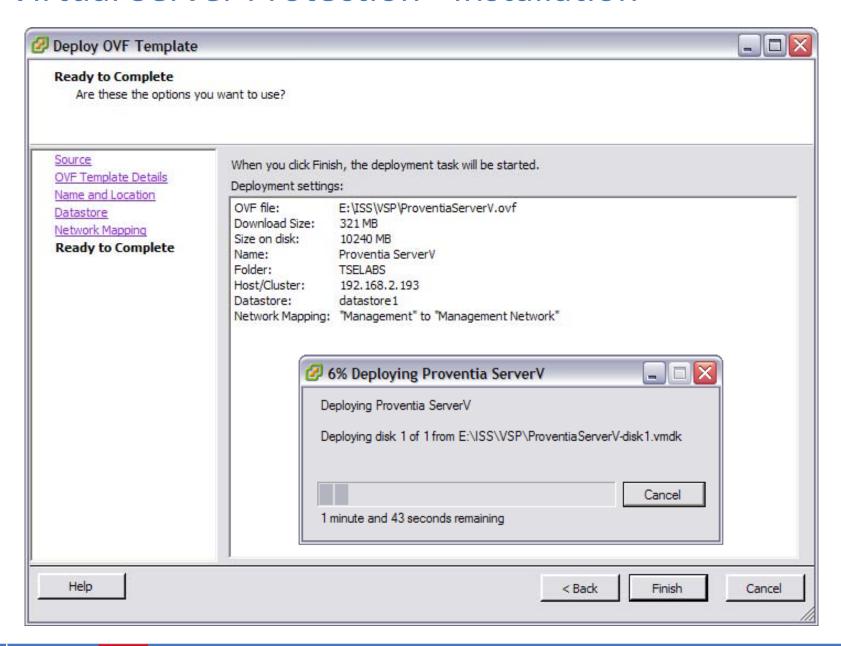














Once the VSP OVF package has been deployed, the following tasks need to be performed to integrate VSP with the ESX host:

- Configure management network interface and date/time.
- Configure the Virtual Machine Observer for communication with the ESX host.
- Set up the introspection switches for virtual machine network and memory inspection.
- Configure the accelerator for network inspection (optional).
- Configure Siteprotector management communication.

```
Your public key has been saved in /etc/ssh/ssh_host_dsa_key.pub.
The key fingerprint is:
ce:b0:64:b0:f9:fe:2b:59:47:2a:b8:b6:95:9d:03:45                               root@unconfigured
Generating /etc/ssh/ssh_host_rsa_key.
Generating public∕pri∨ate rsa key pair.
Your identification has been saved in /etc/ssh/ssh_host_rsa_key.
Your public kev has been saved in /etc/ssh/ssh host rsa kev.pub.
The key fingerprint is:
Starting SSH daemon
                                                                   done
Cleaning tag files...
Generating new issDaemon keys:
Performing Proventia V cleanSem command
Unloading iptables rules
                                                                   done
Starting issDaemon:
                                                                   done
Master Resource Control: runlevel 3 has been
                                                                   reached
IBM Internet Security Systems
Proventia Proventia Server for UMware
unconfigured login:
```



 Log in at the unconfigured login prompt with user admin and password admin. This will launch the initial configuration utility.





IBM Proventia_Server_for_UMware Setup

License Agreement

International Program License Agreement

Part 1 - General Terms

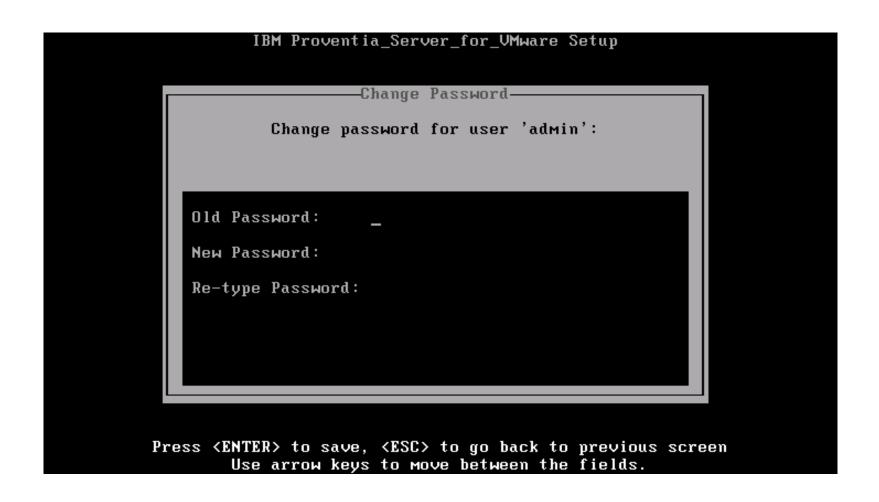
BY DOWNLOADING, INSTALLING, COPYING, ACCESSING, CLICKING ON AN "ACCEPT" BUTTON, OR OTHERWISE USING THE PROGRAM, LICENSEE AGREES TO THE TERMS OF THIS AGREEMENT. IF YOU ARE ACCEPTING THESE TERMS ON BEHALF OF LICENSEE, YOU REPRESENT AND WARRANT THAT YOU HAVE FULL AUTHORITY TO BIND LICENSEE TO THESE TERMS. IF YOU DO NOT AGREE TO THESE TERMS,

- DO NOT DOWNLOAD, INSTALL, COPY, ACCESS, CLICK ON AN "ACCEPT" BUTTON, OR USE THE PROGRAM; AND
- PROMPTLY RETURN THE UNUSED MEDIA, DOCUMENTATION, AND PROOF OF ENTITLEMENT TO THE PARTY FROM WHOM IT WAS OBTAINED FOR A REFUND OF THE

Press <ENTER> for next page, <P> for previous page Press <Y> to accept, <N> to decline the license agreement Press <V> to view non-IBM terms.



Change the password for the admin user.





Change the password for the root user.





Change the password for the web admin user.





Configure the management interface.

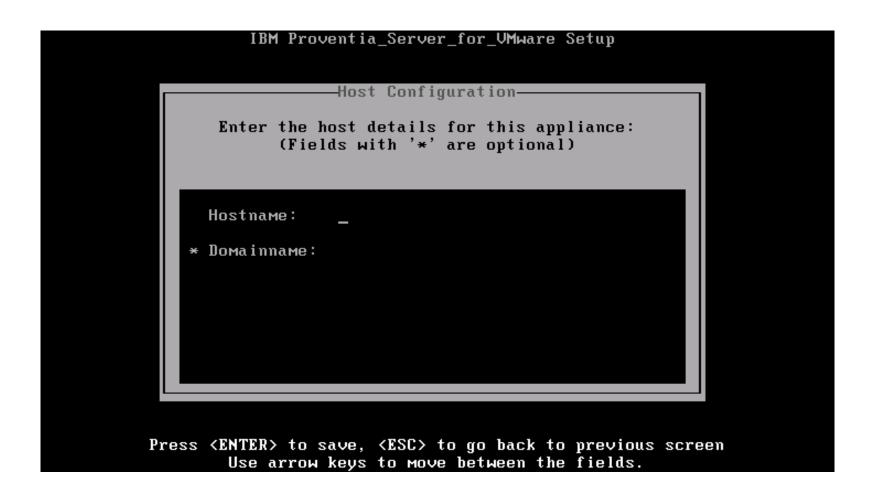






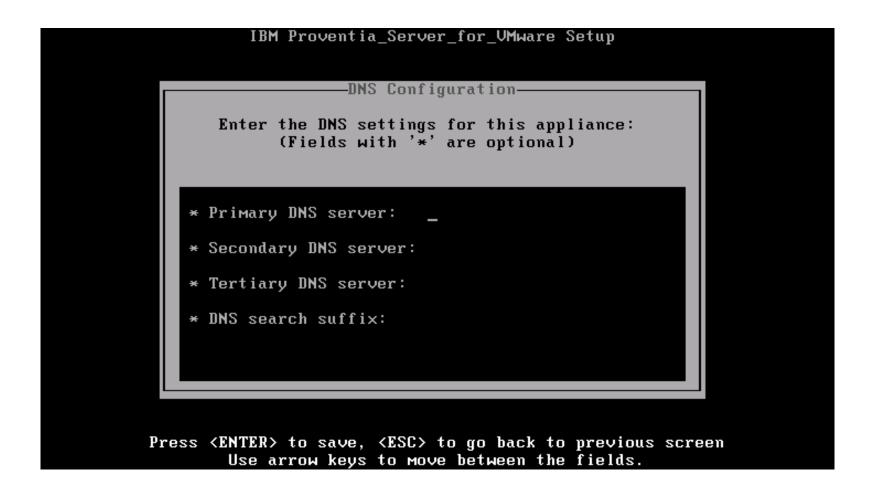


Enter a hostname for the VSP SVM.





Enter DNS configuration.



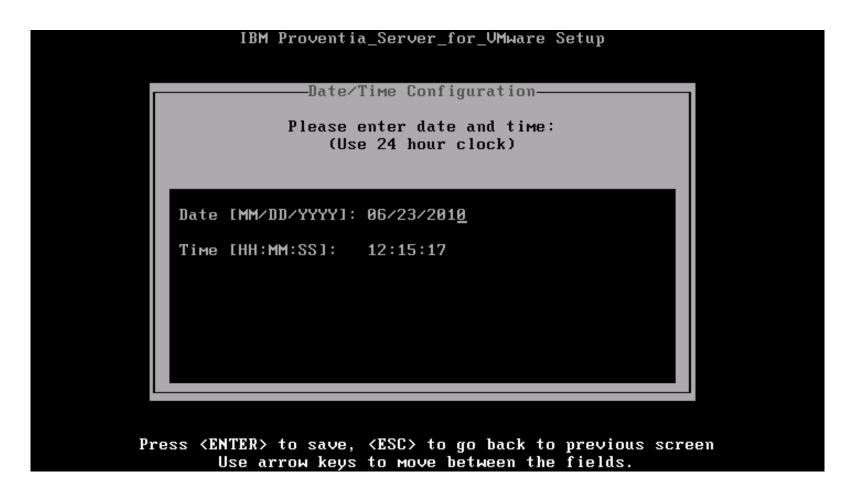


 Set the timezone for this VSP SVM. This needs to be correct for accurate communication with Siteprotector.



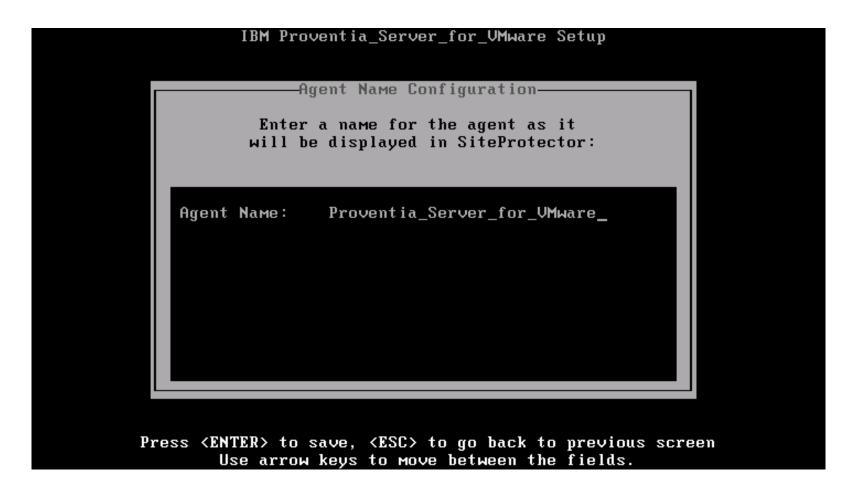


 Set the date and time for this VSP SVM. This needs to be correct for accurate communication with Siteprotector.



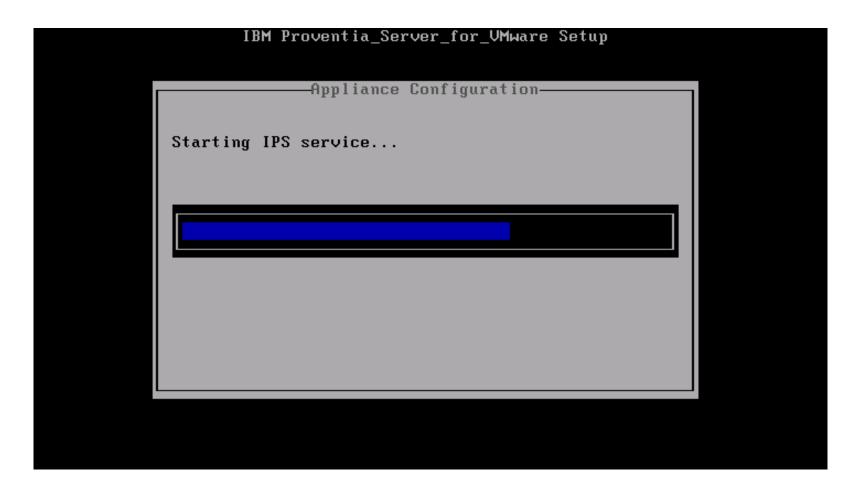


Set the agent name for this VSP SVM. This is the agent name that will identify this VSP SVM in Siteprotector.





 After the initial setup information has been entered, the appliance will be reconfigured and all necessary services will be started.



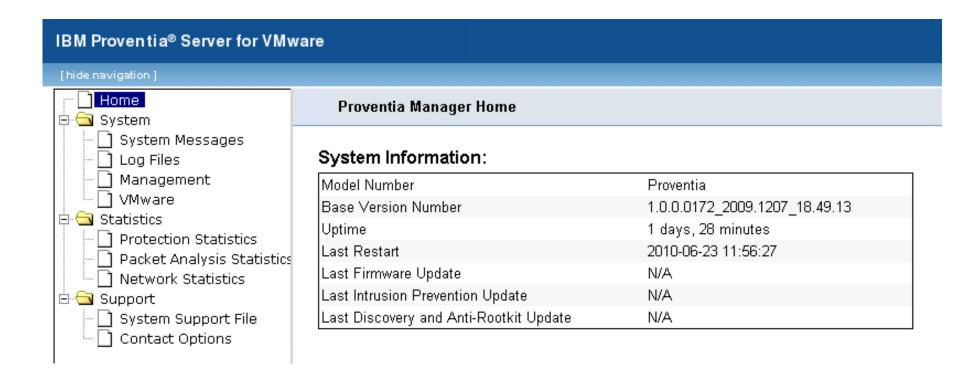






Virtual Server Protection – VMO Setup

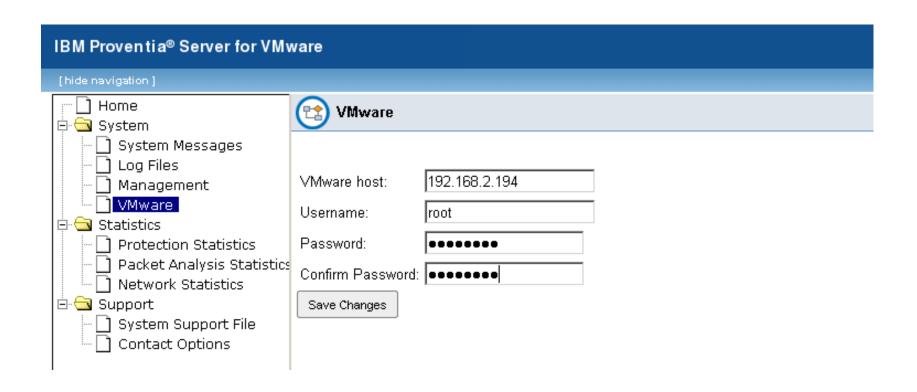
 The next step is to configure the Virtual Machine Observer. This is done through the Proventia Manager web interface. Open a browser and go to https://<VSP_SVM_IP>.





Virtual Server Protection – VMO Setup

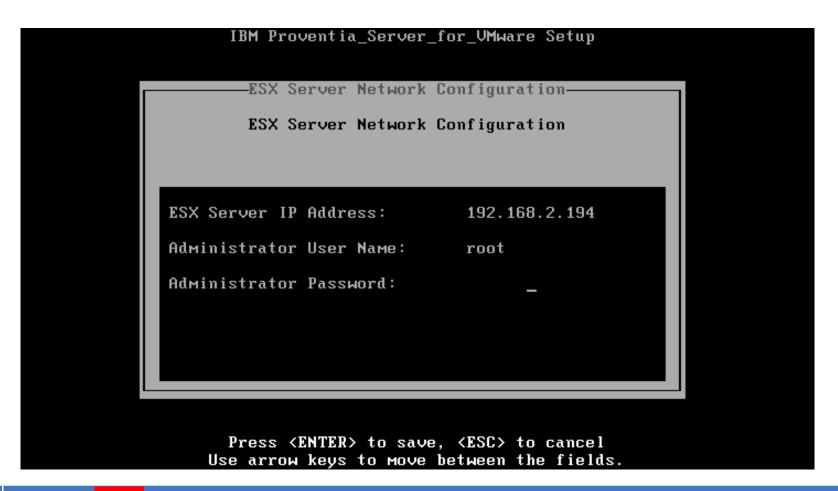
- Under System on the VMware page, fill in the IP address and root user credentials for the ESX host and click save changes.
- This will allow the VSP VMO module to connect to the Virtual Infrastructure API and perform monitoring and configuration tasks on the Guest VMs.





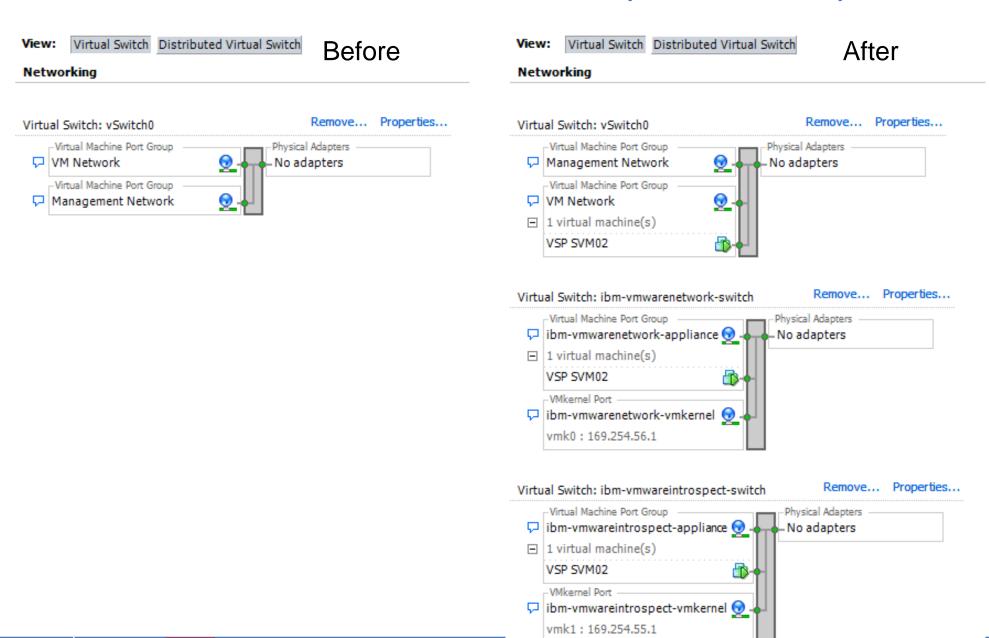
Virtual Server Protection – Introspection Setup

- For CPU/Mem and Network introspection to function, two introspection virtual switches need to be created and the ibm-iss-vmkmod module needs to be loaded in ESX.
- In the CLI configuration utility, under Network Configuration -> ESX Server Configuration, fill
 in the ESX host IP address and root user credentials:





Virtual Server Protection – Introspection Setup



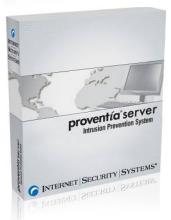


IBM Security Server Protection

RealSecure Server Sensor and Proventia Server

- □ Comprehensive, multi-layered protection in a single agent.
- Centrally managed with Proventia Management SiteProtector or MSS
- □ Provides the Virtual Patch® technology
- □ IBM has earned NSS Labs Certifications for HIPS and PCI Compliance
- □ IBM Server Protection agents can create a forensic trail of information by logging the Who, What, When and where of user activity
- □ Compliance Technologies include: File Integrity Monitoring (FIM), OS Auditing, Registry Integrity Monitoring, Anti-Virus Compliance, and Third **Party Log Monitoring**
- □ Broadest OS Coverage: Windows, Linux, AIX, Solaris, HP-UX



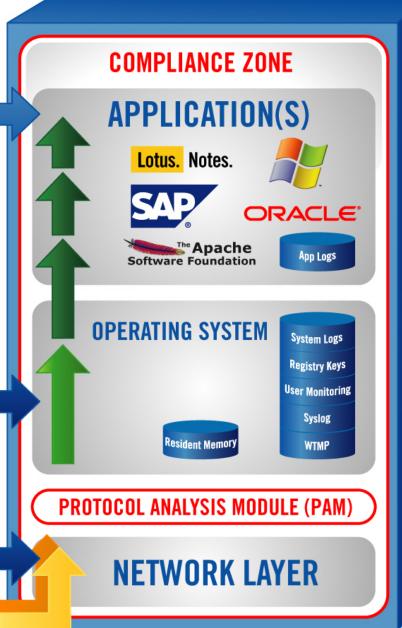


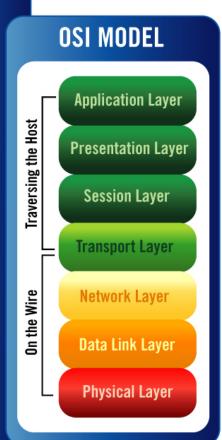




- (1) Log Monitoring
- (2) Anti-Virus Compliance
- (3) Application White/Black Lists
- (4) SSL Inspection

- (1) OS Audit Log Monitoring
- (2) Registry Monitoring
- (3) File Integrity Monitoring (FIM)
- (4) Buffer Overflow Protection (BOEP)
- (1) Integrated Firewall
- (2) Intrusion Prevention System (IPS)
- (3) Driver-Level Inspection Bypass
- (4) Interface Exclusion(s)





Ethernet



Agenda

- **IBM ISS Product Portfolio**
- 2 IBM Security Network IPS + Initial Configuration
- 3 IBM Security Server Protection Solutions (VSP + Host IPS)
- SiteProtector Training + Demonstration of the Products
- 5 **Access to Resources (Training + Docs + Support)**
- **Questions & Answers** 6



SiteProtector Components and Assets

- A SiteProtector deployment may include:
- □Deployment Manager
- □ Event Collector and Site Database
- ■Application Server (including Sensor Controller)
- ■Agent Manager
- X-Press Update Server
- ■Console and Web portal
- □IBM Proventia appliances
- □IBM Proventia and other software agents
- □IBM SecurityFusion™ Module



Deployment Manager

□Allows installation of all SiteProtector components and various ISS agents

from central computer on your network

- □Can perform two types of installations:
- "Express" on a single machine
- "Recommended" on multiple machines
- □Uses Apache HTTP Server version 2.0
- Installed during Deployment Manager installation







































IBM Security Site Protector and **Product Demos**



Agenda

- 1 IBM ISS Product Portfolio
- 2 IBM Security Network IPS + Initial Configuration
- 3 IBM Security Server Protection Solutions (VSP + Host IPS)
- 4 SiteProtector Training + Demonstration of the Products
- 5 Access to Resources (Training + Docs + Support)
- 6 Questions & Answers







Site Protector Licensing





Site Protector Product Codes and Descriptions

SPSW-BRNZ-P SiteProtector Bronze Software Package - management for Proventia Protection

SiteProtector Bronze Software Package - management for Proventia Protection -

SPSW-BRNZ-P-M Maintenance

SPSW-GOLD-P SiteProtector Gold Software Package - management for Proventia Protection

SiteProtector Gold Software Package - management for Proventia Protection -

SPSW-GOLD-P-M Maintenance

SPSW-SILV-P SiteProtector Silver Software Package - management for Proventia Protection

SiteProtector Silver Software Package - management for Proventia Protection -

SPSW-SILV-P-M Maintenance

SPSW-UP-BRNZ-SILV-P Upgrade SiteProtector Bronze to SiteProtector Silver

SPSW-UP-BRNZ-SILV-P-M Upgrade SiteProtector Bronze to SiteProtector Silver - Maintenance

SPSW-UP-SILV-GOLD-P Upgrade SiteProtector Silver to SiteProtector Gold

SPSW-UP-SILV-GOLD-P-M Upgrade SiteProtector Silver to SiteProtector Gold - Maintenance



Network IPS Product Codes and Descriptions

GX4004C-V2-1-P (ROHS) Proventia GX4004C-V2 Intrusion Prevention Appliance

GX4004C-V2-1-P-M (ROHS) Proventia GX4004C-V2 Intrusion Prevention Appliance - Maintenance

GX4004C-V2-L-P (ROHS) Proventia GX4004C-V2 Intrusion Prevention Appliance - License

GX4004C-V2-SPARE (ROHS) Proventia GX4004C-V2 Intrusion Prevention Appliance - Spare

GX4004C-V2-SPARE-M (ROHS) Proventia GX4004C-V2 Intrusion Prevention Appliance - Spare Maintenance

GX5008C-V2-1-P (ROHS) Proventia GX5008C-V2 Intrusion Prevention Appliance

GX5008C-V2-1-P-M (ROHS) Proventia GX5008C-V2 Intrusion Prevention Appliance - Maintenance

GX5008C-V2-SPARE (ROHS) Proventia GX5008C-V2 Intrusion Prevention Appliance - Spare

GX5008C-V2-SPARE-M (ROHS) Proventia GX5008C-V2 Intrusion Prevention Appliance - Spare Maintenance

GX5008C-V2-HA-P (ROHS) Proventia GX5008C-V2 Intrusion Prevention Appliance - High Availability

GX5008C-V2-HA-P-M (ROHS) Proventia GX5008C-V2 Intrusion Prevention Appliance - High Availability Maintenance

GX5008C-V2-L-P (ROHS) Proventia GX5008C-V2 Intrusion Prevention Appliance - License

GX5008SFP-V2-1-P (ROHS) Proventia GX5008SFP-V2 Intrusion Prevention Appliance

GX5008SFP-V2-1-P-M (ROHS) Proventia GX5008SFP-V2 Intrusion Prevention Appliance - Maintenance



Server Security Licensing and Product Codes

IBM Proventia Server & Real Secure Server Sensor

Proventia Server for Windows License - 001 - 024 Instances Software Maintenance - Proventia Server

Proventia Server for LINUX License - 001 - 024 Instances Software Maintenance - Proventia Server

RealSecure Server Sensor for Windows 2003 License - 001 - 024 Instances Software Maintenance - RealSecure Server

RealSecure Server Sensor for Solaris / HPUX / AIX License - 001 - 024 Instances Software Maintenance - RealSecure Server

IBM Virtual Server Security for VMware

(SVPV-BASE-1-P) License for 2 Processors (SVPV-BASE-1-P-M) Maint for 2 Processors

(SVPV-ADD-1-P) License for Addl 2 Processors (SVPV-ADD-1-P-M) Maint for Addl 2 Processors



Active Bypass Codes and Descriptions

ABYP -> Active Bypass

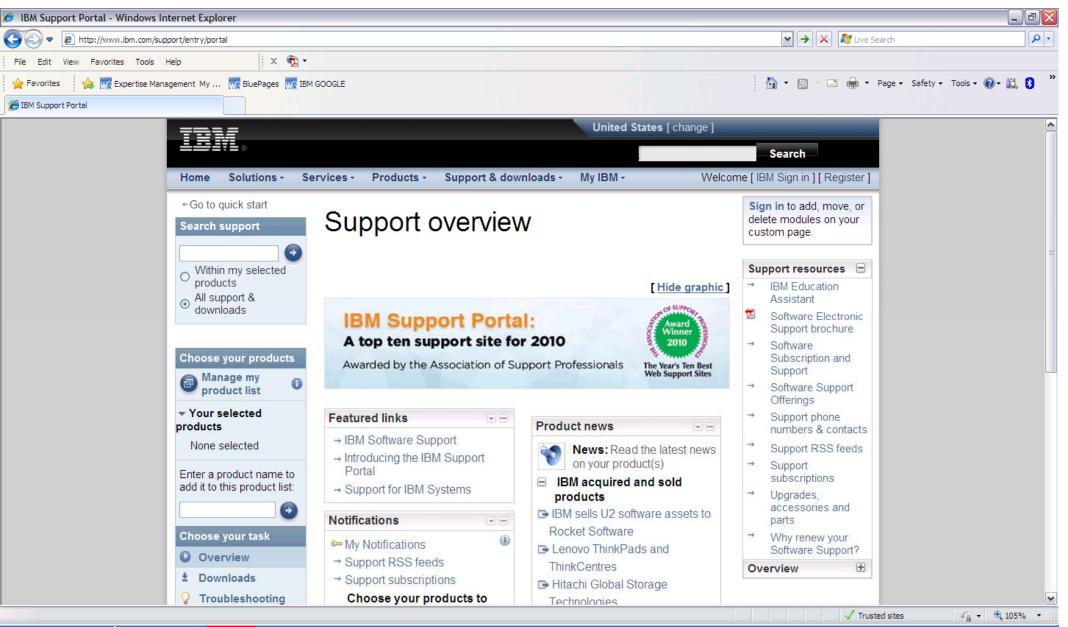
T -> Copper Interface

S -> Short Fiber (Multi mode)

L -> Long Fiber (Single mode)

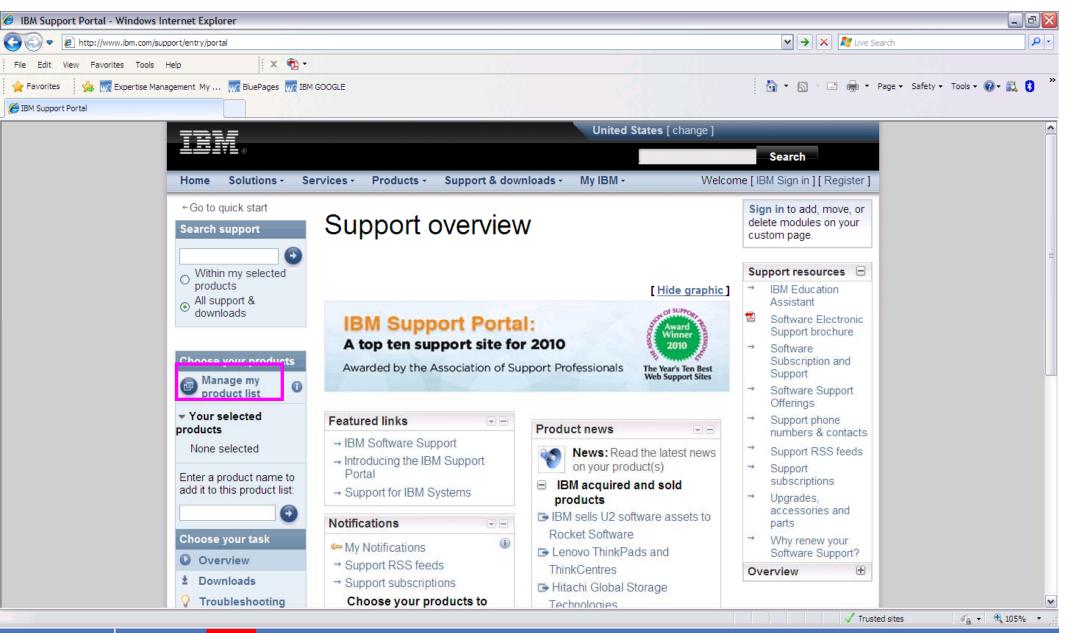


www.ibm.com/support/entry/portal



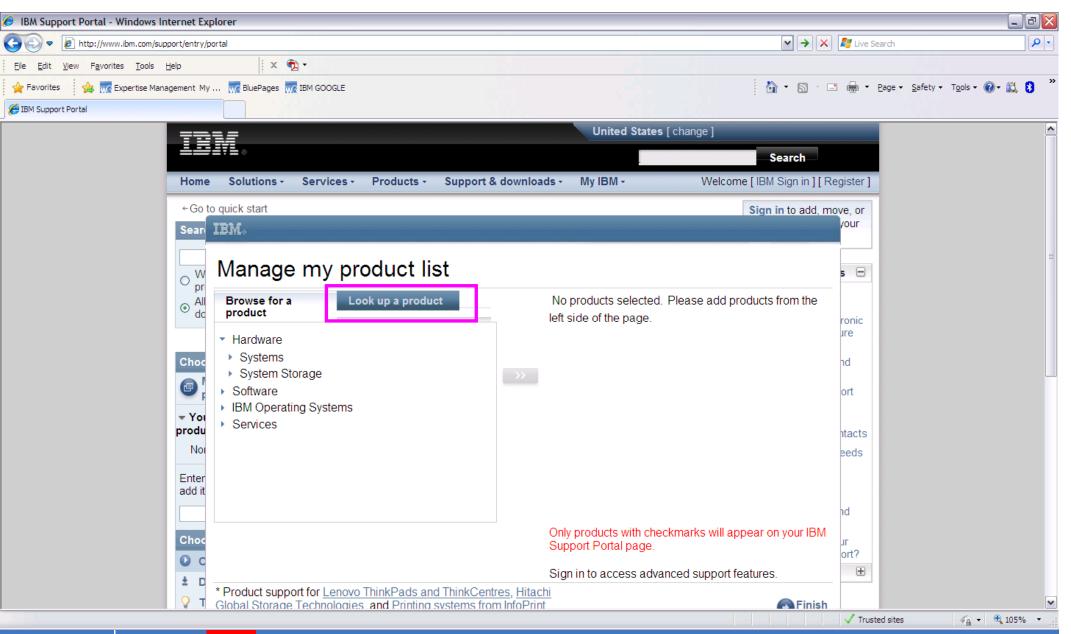


Click – Manage my product list



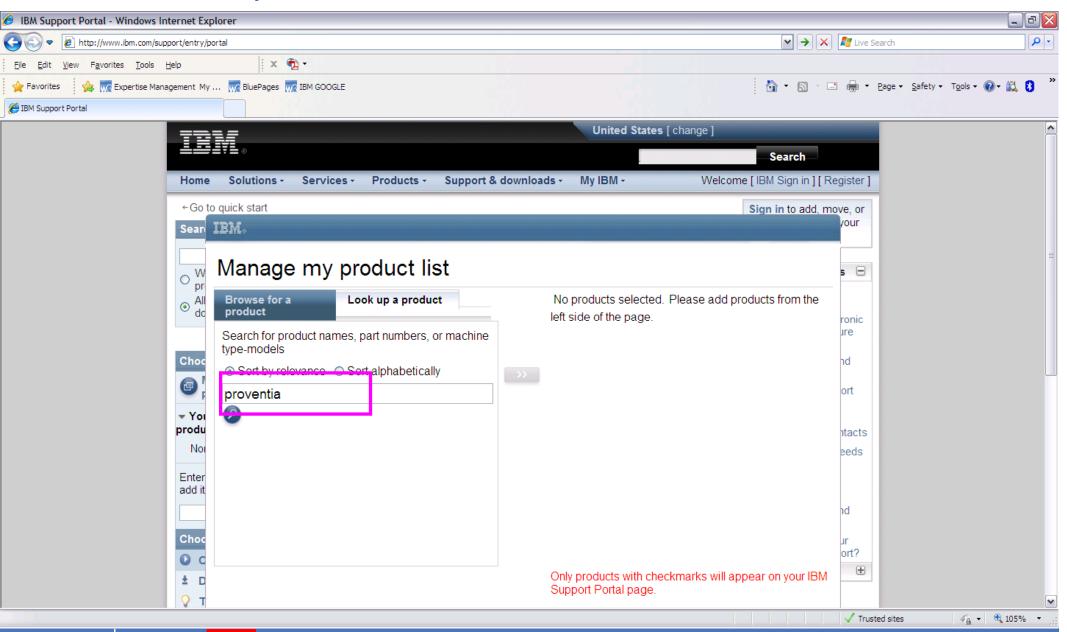


Click – Look up a product



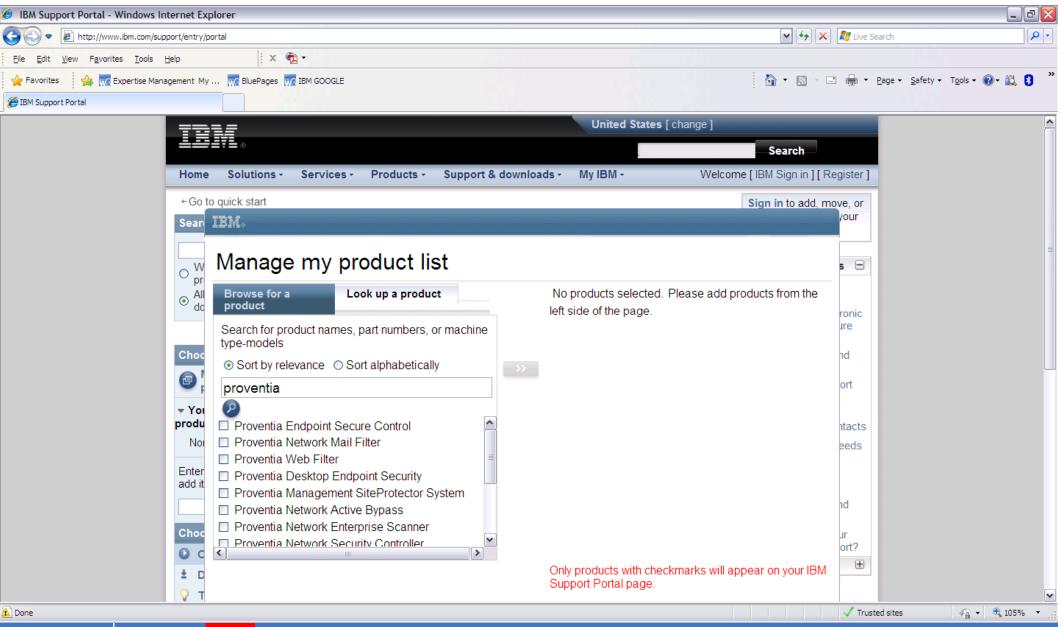


Search for proventia



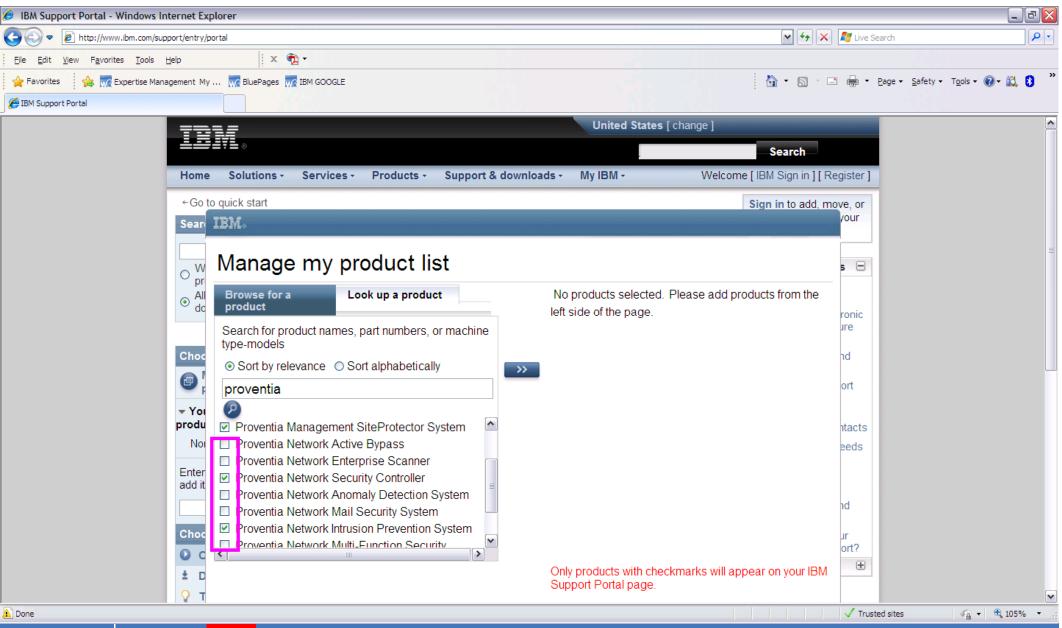


Search results displayed



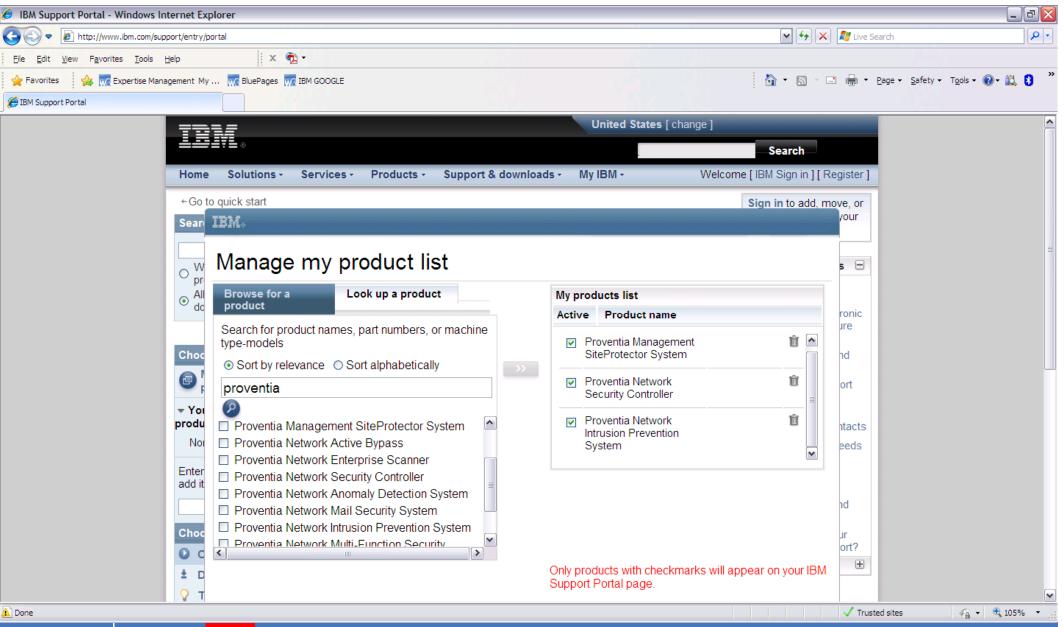


Select & add – proventia products of interest



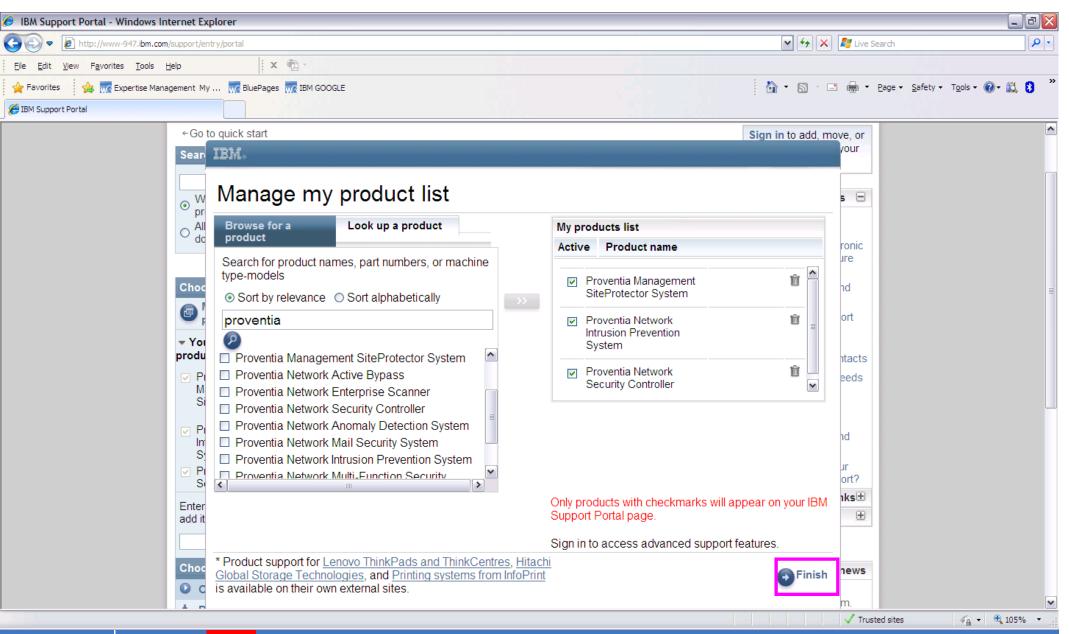


My product list created



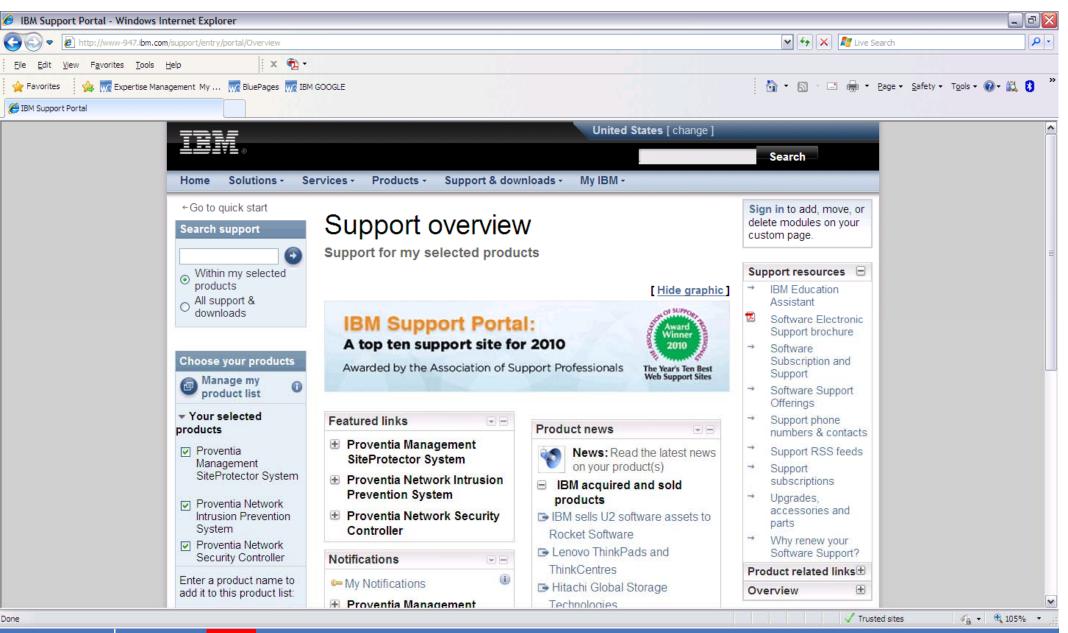


Click - Finish



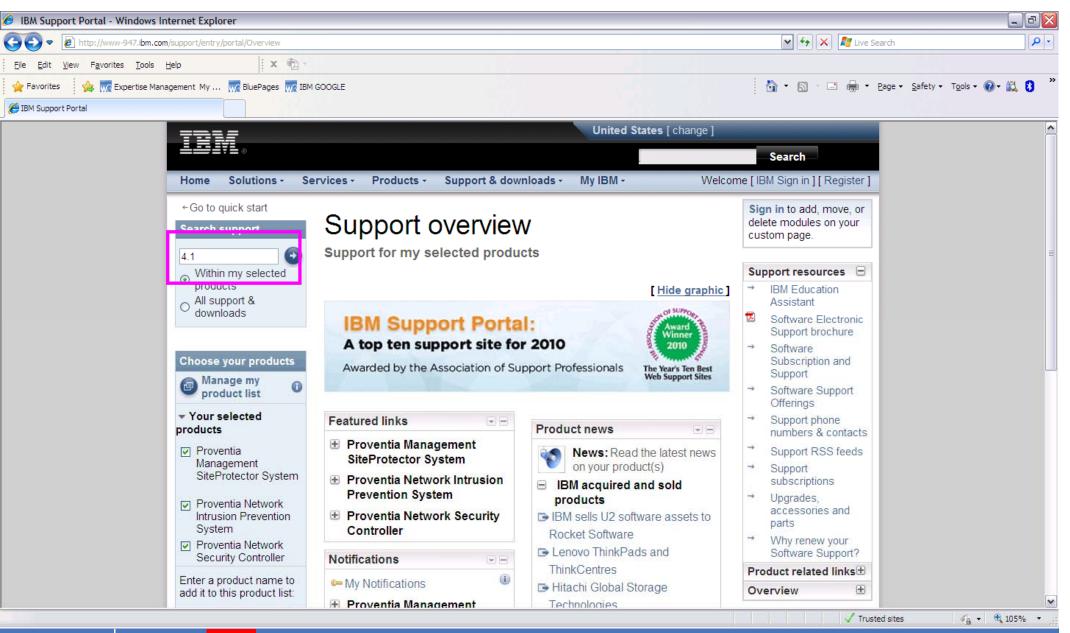


Main page configured with my product list



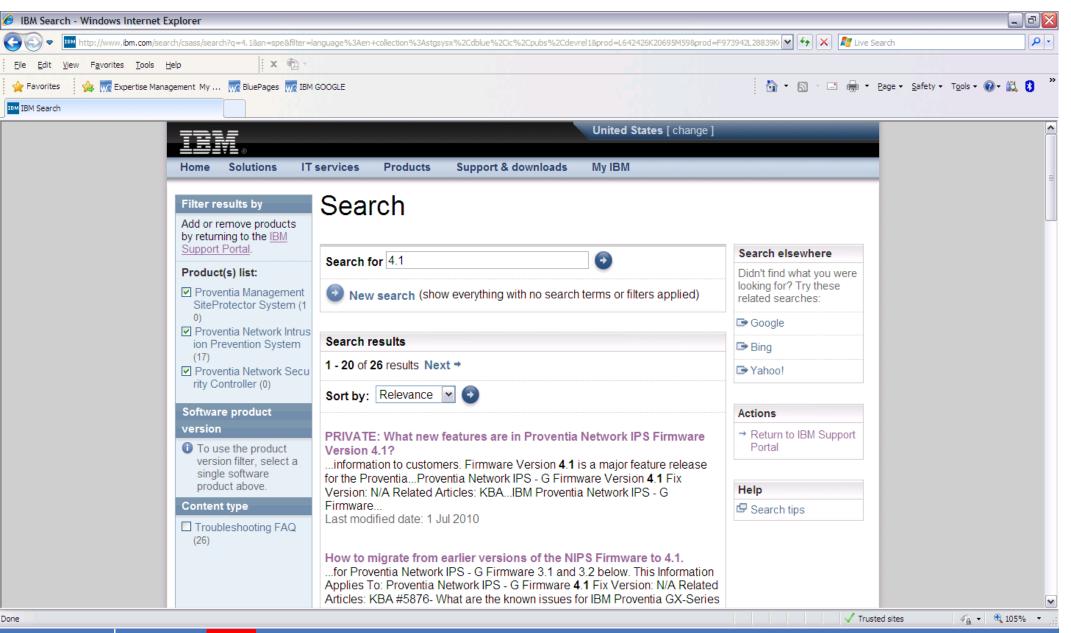


Search for info within my selected products

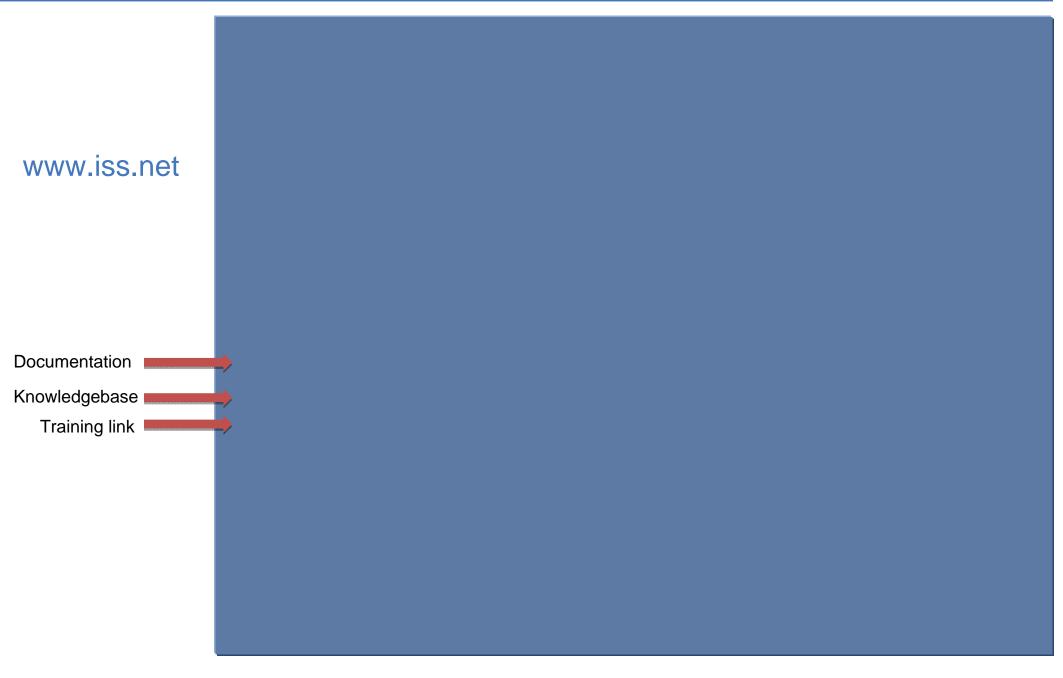




Search results displayed















Thank You

