

The New Face of Intrusion Prevention

Check Point IPS Software Blade gives breakthrough performance and protection at a breakthrough price



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Better than the Best of Both Worlds

In the past, organizations had two choices when considering intrusion prevention (IPS): an expensive, dedicated IPS system, or an integrated system that lacked robust performance and security. Additionally, most IPS system were not used to their full potential. Deployed offline, they were used more as intrusion detection systems, only logging attacks without providing proactive protection. This approach not only fails to provide protection for a network, but diminishes both the value and return on investment (ROI) of an IPS. Given that IPS has become a fundamental component of 'due care' in IT security, the next generation of IPS needs to provide organizations with a superior and cost effective option.

Check Point is the new face of IPS protection. Check Point IPS Software Blade provides an integrated solution that delivers industry-leading performance and total security at a breakthrough total cost of ownership (TCO). As part of the Check Point flexible and extensible software blade architecture, the IPS software blade adds complete and integrated intrusion prevention capabilities at multi-gigabit speeds to Check Point security gateways. The IPS software blade combines the deployment and management advantages of an integrated solution with performance that exceeds even dedicated IPS systems, all at a cost that is far lower than traditional IPS solutions.

Best Protection

The IPS software blade provides a complete IPS security solution, offering comprehensive network protection against malicious and unwanted network traffic, including:

- Malware attacks
- Denial-of-Service and Distributed Denial-of-Service attacks
- Application and server vulnerabilities
- Microsoft vulnerabilities
- Insider threats
- Unwanted application traffic, including IM and P2P

Best Proactive Threat Control

The IPS blade utilizes the following cutting-edge technologies to give you complete, accurate threat protection:

- Passive Streaming Library
 - Protects against IPS evasion and network attacks
- Protocol Parser
 - Ensures protocol compliance and anomaly detection

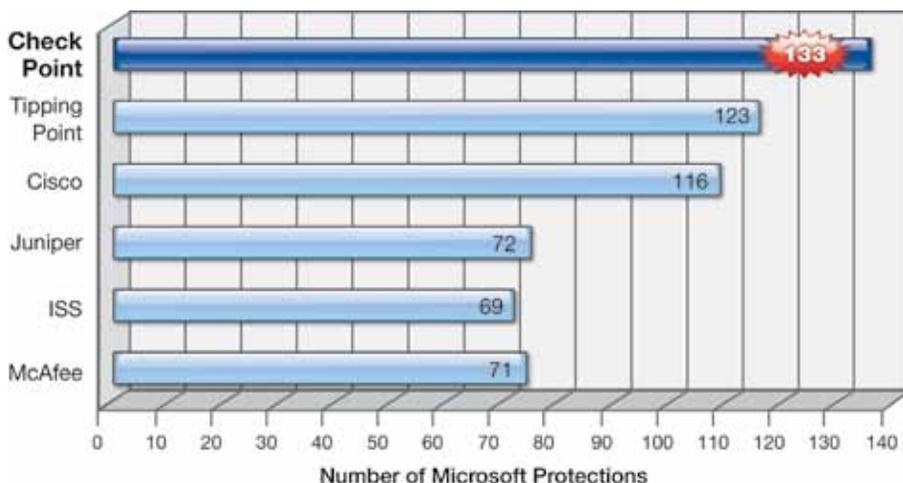
Check Point IPS Benefits:

- Integrated in the gateway
- Total security
- Multi-gigabit performance
- Breakthrough TCO



- Pattern Matcher
 - Quickly identifies common signatures in malicious packets
 - Performs a second level analysis to confirm that the attack is real
- Compound Signature Identification
 - Enables sophisticated signature inspections to accurately identify threats
 - Pinpoints an attack based on clues identified over multiple protocol parts
- Context Management Infrastructure
 - Ensures that the inspection is done only on the relevant content within the protocol, after the traffic is parsed
- Inspect v2
 - Identifies attacks out of well-known contexts, and inspects applications that do not have well-defined protocols

Through these advanced technologies, Check Point is able to bring you industry-leading protection. The Check Point update team delivered the most comprehensive Microsoft Vulnerability coverage in 2008 and is continuing this lead with the IPS software blade in 2009.



Microsoft Vulnerability Protections Q1 2008-Q1 2009

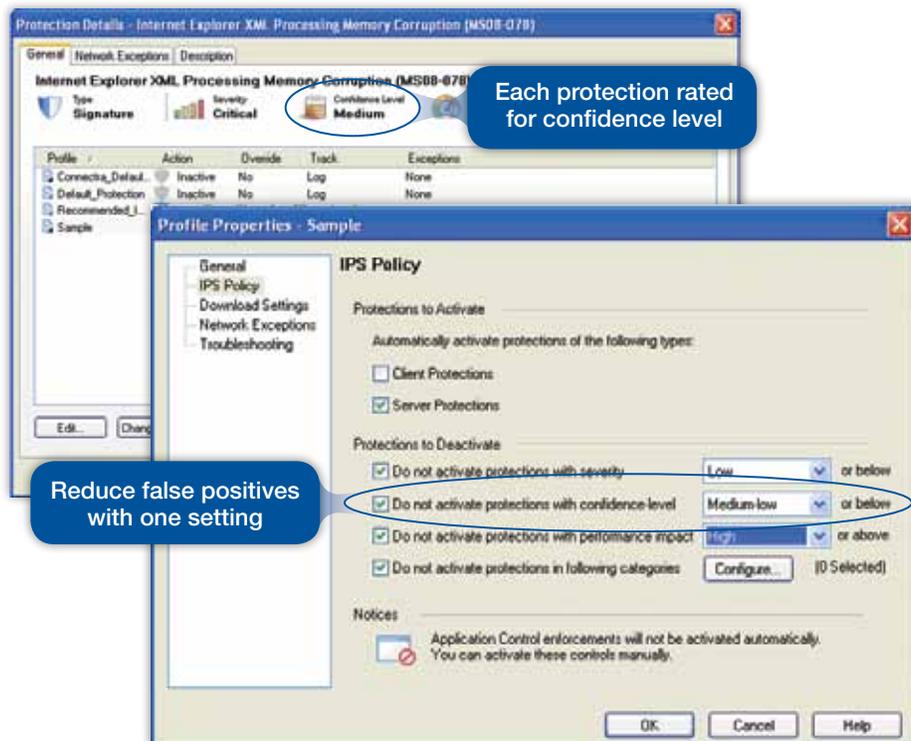
Reduced False Positives

Not only does the new IPS engine increase protection accuracy to reduce false positives, but each protection is now rated according to its confidence level. With one simple setting, you can choose to activate only those protections with a high confidence level.

Reduces False Positives:

- Increased protection accuracy
- Confidence ratings for each protection





Check Point R70 Dashboard-Policy and Protection Details

Real-Time Updates

Protection updates are included with the IPS software blade subscription so there is no additional service to buy. The Check Point update service delivers cutting-edge protection through a manageable user interface that helps you to effectively and efficiently manage new updates. The IPS software blade is constantly updated with new defenses against emerging threats and information to help you configure those updates to maximize your protection and performance while reducing false positives. Many Check Point IPS protections are pre-emptive, providing defenses before vulnerabilities are discovered or exploits are even created.

Cohesive Security Policy

Having multiple components for any enforcement solution increases the complexity of security policies and rules. It also multiplies potential points of failure. Such complexity increases the likelihood that some threat or attack will “slip through the cracks,” or that traffic will be checked multiple times. Neither scenario is desired. The Check Point fully integrated IPS solution drives a single, cohesive security policy.

Real-Time Updates:

- No additional service to buy
- Manageable user interface
- Constantly updated with new defenses

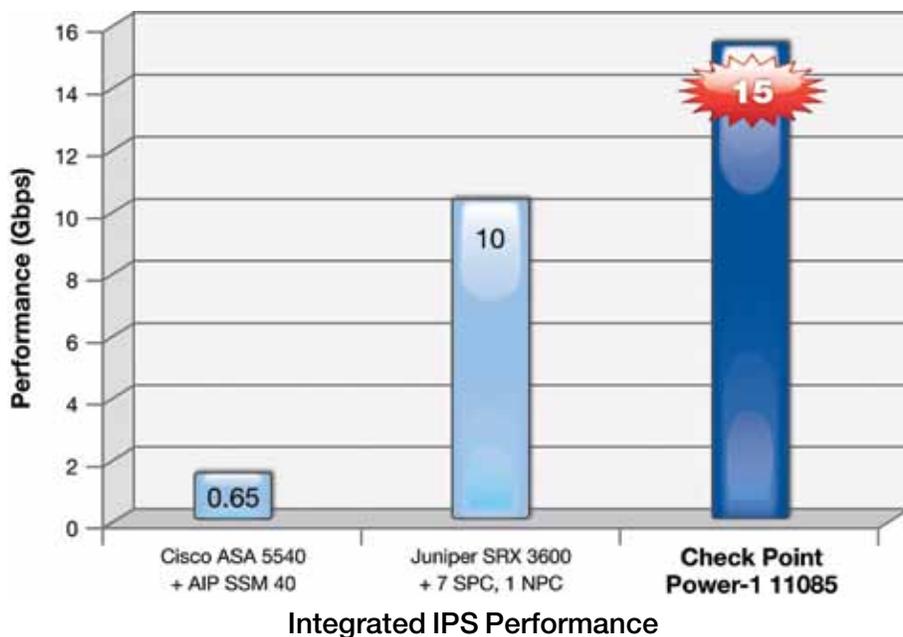
Cohesive Security Policy:

- Reduces points of failure
- Checks traffic only once



Industry-Leading Performance

Historically, organizations shied away from integrated IPS because they feared that integrating IPS into the firewall would grind performance to a halt. The Check Point IPS software blade makes this concern a thing of the past, providing the best performance at incredible savings with no security trade-offs.



Through industry-leading technology, Check Point is able to provide an integrated IPS solution with breakthrough performance. The Check Point Open Performance Platform underpins the IPS software blade with three performance-enhancing technologies: SecureXL™, CoreXL™ and Cluster XL®. These technologies work together to provide up to 15 Gbps of combined IPS and firewall throughput.

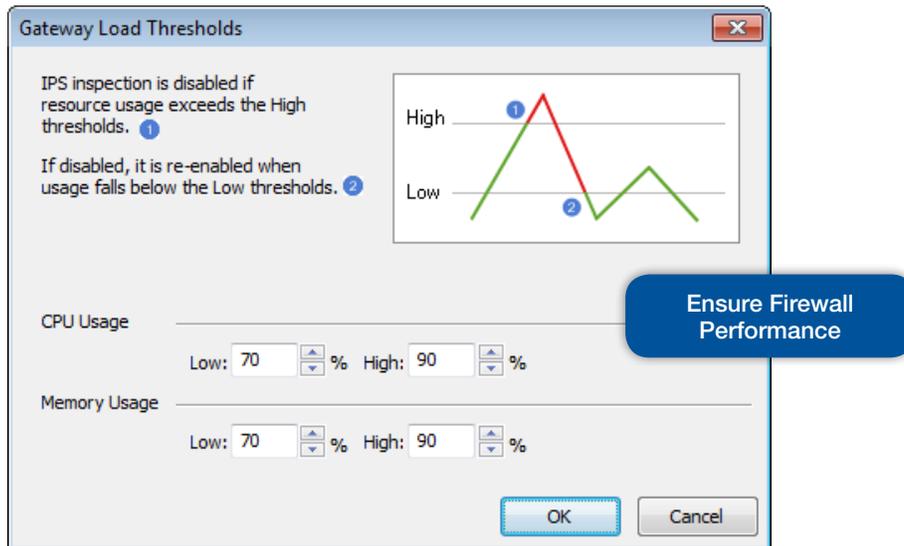
Check Point's integrated solution not only benefits from acceleration technologies but also inspects traffic only once for both Firewall and IPS functions, thus minimizing the impact caused by inspecting the traffic twice.

In addition, the IPS software blade allows administrators to configure performance thresholds based on a gateway's CPU and memory usage. If the high threshold is surpassed, IPS analysis is automatically suspended. IPS analysis is then resumed when the resource falls below the low threshold, thus guaranteeing firewall throughput and ongoing network operations. So you never have to worry that the IPS software blade will cause unacceptable firewall performance.

Industry-leading performance:

- New acceleration technologies
- Decreased footprint
- No impact on firewall performance





Check Point R70 Dashboard – Gateway Load Thresholds

For more detailed information about Check Point’s industry-leading performance technologies, see Solving the Performance Hurdle for Integrated IPS whitepaper.

Breakthrough Cost

Purchasing, deploying, and operating multiple security appliances is typically much more costly than deploying an integrated solution such as the IPS software blade. Cost savings include capital expenses such as equipment purchase, and operational expenses such as training and ongoing management. Consolidation of security functionality into a single gateway also provides ongoing operational savings of rack space, cabling, cooling and power. Check Point IPS software blade provides a solution that gives you all the benefits of integrated IPS protection at a much lower cost.

For only \$3,000 of OPEX you can add the IPS software blade to your Check Point Security Gateway, eliminating the cost of additional hardware, maintenance, training, and other hidden costs.

Low Acquisition Costs

Acquiring additional hardware and support for a dedicated IPS solution can be prohibitively expensive. Check Point provides a complete Firewall and IPS solution for as little as 10% of the cost of a comparable, dedicated solution, without sacrificing performance.

Breakthrough Cost:

- Lower capital expenses
- Lower operational expenses
- Reduced rack space, cabling and cooling

**10% of the Cost
Of A Dedicated
Solution**



Mid-Sized Companies	Check Point Solution Power-1 5075 with IPS Software Blade	IBM (ISS) Dedicated Solution IPS Proventia GX 6116
IPS Performance (Mbps)	7,500	6,000
Additional Hardware Price	-	\$188,995
Solution Acquisition Price	\$3,000	\$188,995
Cost per Mbps		\$31.50
Better performance and 78 times the savings!		

IPS Software Blade vs. a Dedicated Solution – Cost Comparison

Even when compared to other integrated solutions, the IPS Blade still delivers unbeatable performance at a fraction of the cost.

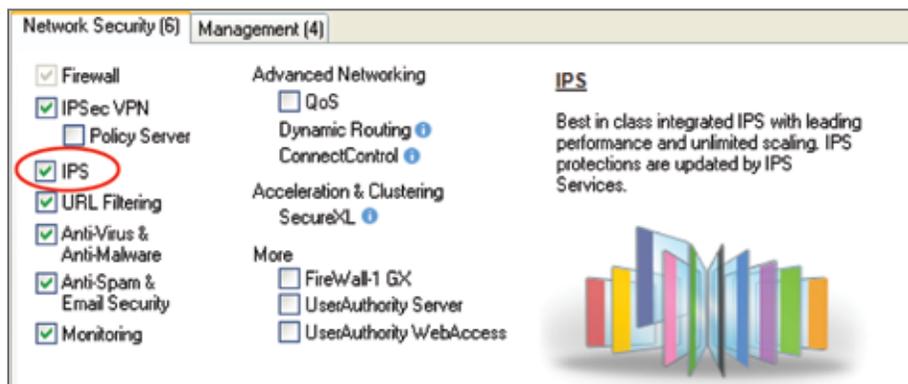
Easy Deployment

Traditionally, deploying an IPS solution had been costly and time-consuming. Not only did an organization have to set up new, dedicated IPS devices throughout the network, but it also had to train administrators in an entirely different system, and manage yet an additional vendor. Now, deployment headaches are a thing of the past. With Check Point’s IPS software blade, you can deploy intrusion prevention in one click, gaining instant IPS protection and rapid return on investment.

Since firewalls are already deployed throughout a modern integrated network, adding IPS functionality to a firewall is financially and organizationally easier than purchasing and installing additional devices. Check Point security gateway customers can activate IPS protection from the single management console with one click.

Easy deployment means:

- One-click deployment
- Single management console
- Rapid ROI



Check Point R70 SmartDashboard – Enable IPS



Multiple solutions from multiple vendors require more complex management and staff training. An integrated solution reduces not only the expense associated with management and training, but also reduces errors and oversights. Because most firewall and IPS functions should be owned by the same network security group, integrated IPS solutions are in synch with today’s organizational structures.

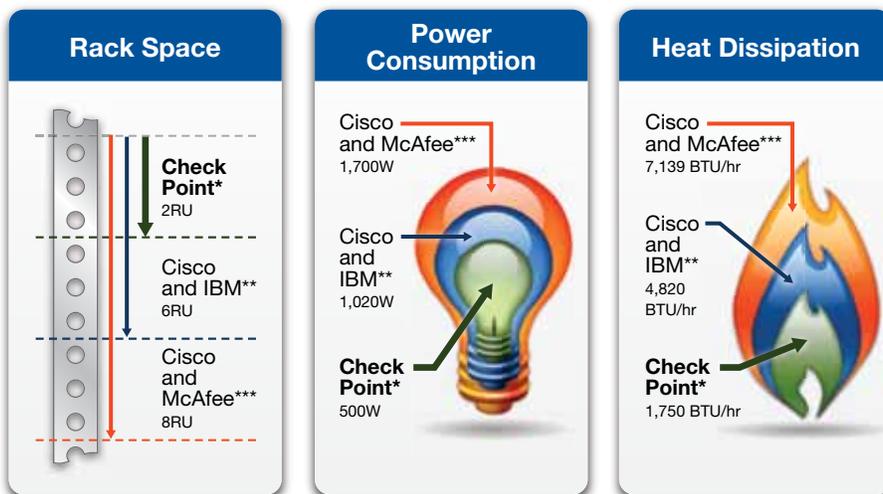
Green Savings

Over time, operational costs can represent 50% or more of your total cost for a security solution. Many companies struggle to maintain enough rack space for the hardware they need and then face the additional, ongoing expenses of powering and cooling the equipment for years to come.

As a consolidated solution, the IPS software blade provides ongoing operational savings of rack space, cabling, cooling and power. This not only saves your organization money, but also helps you to have a “greener” security solution.

Green Savings:

- Reduced cabling
- Reduced cooling
- Reduced power consumption



IPS Software Blade vs. a Dedicated Solution—Operational and Environmental Comparisons

*Check Point solution: Power-1 11065 with IPS software blade
 **Cisco and IBM (ISS) dedicated IPS solution: ASA 5580-40 with Proventia GX 6116
 ***Cisco and McAfee solution: ASA 5580-40 with IntruShield M8000



Even when compared to other integrated systems, Check Point solutions are leaner and greener, using less rack space, less power and producing less heat than comparable models.

Conclusion

The Check Point integrated IPS software blade is changing the face of IPS and network security as we know it. No longer do you have to make tradeoffs between price, performance and protection level.

Check Point introduces an innovative, cost effective way to ensure all your security gateways benefit from IPS protection. Check Point makes IPS technology affordable and easy to operate with breakthrough performance and best-of-breed protection.

By any comparison: price, performance, or protection, the IPS software blade represents a revolution in intrusion prevention.



About Check Point Software Technologies Ltd.

Check Point Software Technologies Ltd. (www.checkpoint.com), worldwide leader in securing the Internet, is the only vendor to deliver Total Security for networks, data and endpoints, unified under a single management framework. Check Point provides customers uncompromised protection against all types of threats, reduces security complexity and lowers total cost of ownership. Check Point first pioneered the industry with FireWall-1 and its patented Stateful Inspection technology. Today, Check Point continues to innovate with the development of the software blade architecture. The dynamic software blade architecture delivers secure, flexible and simple solutions that can be fully customized to meet the exact security needs of any organization or environment. Check Point customers include tens of thousands of businesses and organizations of all sizes including all Fortune 100 companies. Check Point award-winning ZoneAlarm solutions protect millions of consumers from hackers, spyware and identity theft.

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