

AUTOMATIC PATCH REMEDIATION LICENSE

Product Overview

With today's growing and increasingly mobile workforce comes greater potential for harm from devices without proper security patches. Simple authentication and authorization are insufficient to protect access to the corporate network. User devices need to meet baseline security policies with patches that are enabled and up to date. With Juniper Networks MAG Series Junos Pulse Gateways, SA Series SSL VPN Appliances, or IC Series Unified Access Control Appliances, in combination with Shavlik's patch management solution, IT administrators can now automatically scan and remediate Windows endpoints before they even enter your network, to ensure compliance with your corporate security policies.

Product Description

Patch management is a critical component of network security. Windows PCs that are unpatched or have outdated patches can leave organizations wide open to attack when they have failed to properly identify and close gaping security holes, especially given the increase in client-side vulnerabilities in today's third-party applications. The award-winning patch management technology from Shavlik is now offered as an optional license on the Juniper Networks® MAG Series Junos® Pulse Gateways, SA Series SSL VPN Appliances, or IC Series Unified Access Control Appliances. An organization's PCs, whether remote or connecting directly to the LAN, can now stay current automatically as patches become available, based on policy that defines which patches are appropriate for particular systems.

The automatic patch remediation license leverages Shavlik's policy-based patch management solution to scan and remediate unpatched endpoints before they enter your network. The combination of Juniper's secure access solutions (MAG Series, SA Series, and IC Series) with Shavlik's industry-leading asset discovery and broad update capabilities provides an additional layer of security and control over unmanaged endpoints. The automatic patch management license enables MAG Series, SA Series, and IC Series customers to automatically scan Windows PCs for security threats and perform remediation before granting users and their devices full access to the corporate network.

The automatic patch remediation license from Juniper provides the most comprehensive patch management solution available. It does not require Microsoft's Systems Management Server (SMS) or System Center Configuration Manager (SCCM) for remediation, and it addresses the latest operating system and software patches from Microsoft, as well as other vendors such as Adobe Systems, Mozilla Firefox, Apache, RealPlayer, and others. It also directly downloads missing patches from vendor websites.

Architecture and Key Components

The automatic patch remediation license is an optional license available for use with the MAG Series Junos Pulse Gateways, SA Series SSL VPN Appliances, and IC Series UAC Appliances. License options are available as 1-year, 2-year, and 3-year subscriptions. The license scales to support from 50 concurrent users up to 25,000 concurrent users for very large, growing enterprises.

The automatic patch remediation license enables IT administrators to:

- Create a list of required updates from Microsoft, Adobe, Sun, Mozilla, Apple, etc.
- Create policies that determine the level of network access based on a device's compliance with the required list of updates
- Have the option to remediate machines that are missing required patches
- Control if and how PCs will be rebooted after applying patch updates

For enterprises running secure remote access through the MAG Series gateways or SA Series appliances, automatic patch remediation can also locate and update devices of remote users that may have been missed or overlooked during an automated update process, such as devices which were not connected to the network at the time the update process was initiated.

Managed Versus Unmanaged Devices

Existing corporate patch solutions only control and automatically update the user devices that are corporate managed. Even with a corporate patch management solution, it is a challenge to manage devices such as netbooks and laptops that infrequently connect to your corporate network, often outside of normal business hours. But by incorporating automatic patch remediation management into your remote access or network access control (NAC) deployment, you can enforce corporate security policies on these unmanaged devices. Corporations and government agencies with significant numbers of contractors and partners, as well as universities and other institutions of higher education, are excellent examples of networks that have many unmanaged devices joining their networks day in and day out—and really require automatic patch remediation.

Decide by Policy Which Patches Must Be Installed

When a user requests access to your network, Juniper's Host Checker feature, integrated with the MAG Series, SA Series, and UAC, performs a security validation to ensure that the device being used is secure and meets your access and security policies before it is allowed access to your network. If the device fails its security validation, it can be relegated to a quarantine section of your network. And, while in that quarantine area, the device can be given limited access to other network resources, and possibly only Internet access.

With automatic patch remediation, the devices in the quarantine area of your network can be scanned for missing or outdated patches. If a machine does not contain all necessary, up-to-date patches, automatic patch remediation will attempt to bring the machine into compliance with your security policy—as set in Host Checker—by deploying the required patches. If the automatic patch deployment is successful, Host Checker will revalidate the device. If the missing patches were the only failing criteria, the user and device will be granted full access to your network.

Patches for Microsoft and Other Applications

Automatic patch remediation finds and deploys missing patches for many third-party applications, including Microsoft operating systems and applications. Juniper's best-in-class patch capabilities deliver a layered security approach to enterprise security, and they simplify and automate the top challenges faced by today's networks with:

- Third-party application patching
- Trusted, proven patch assessment technology leveraging the industry-leading Shavlik technology
- The most flexible, precise reboot options available in the industry

Figure 1 depicts a network using Juniper's NAC solution (with the MAG Series gateway in this scenario), and shows how endpoint PCs can be remediated with Juniper's automatic patch remediation license.

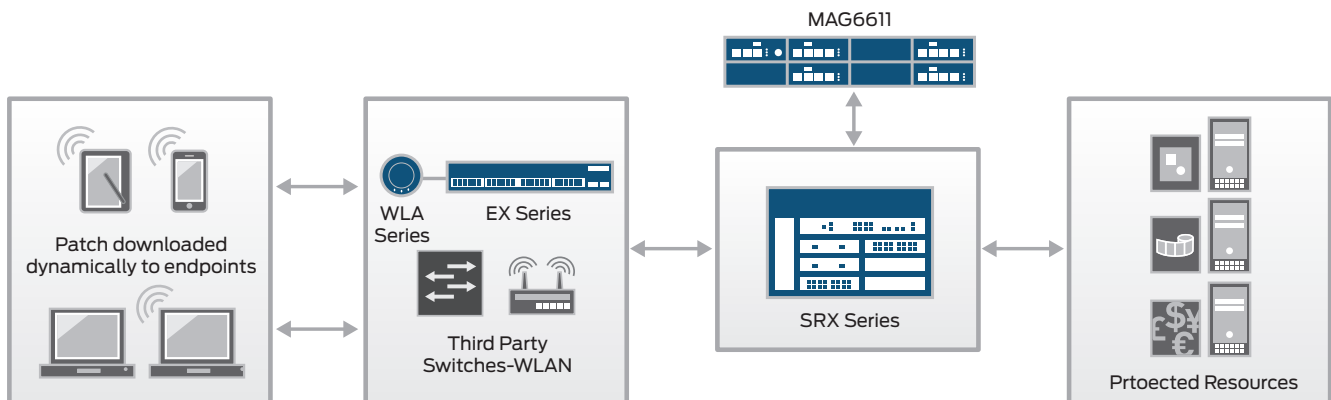


Figure 1: LAN Access Control with Patch Remediation

Features and Benefits

Comprehensive Remediation

- Not only covers operating system and application patches for Microsoft, but also supports application patches for other third-party application vendors such as Adobe, Firefox, Apache, RealPlayer, and others.
- Does not require Microsoft's SMS protocol on devices for remediation
- Enables IT administrators the flexibility to send out automatic patch updates for almost any vendor

Dynamic Downloads of Updates

- Directly downloads missing patches from the appropriate vendor's website
- Doesn't require additional steps to download patches
- Improves productivity of users by not having them wait for periodic updates of software applications

End-to-End Solution for Local and Remote Devices

- With Juniper's NAC functionality (via the MAG Series gateways running Junos Pulse Access Control Service, or IC Series UAC Appliances) and an automatic patch remediation license, ensure that users such as employees, contractors, or guests with Windows PCs connected directly to the LAN have the latest patch updates, automatically, in real-time.
- With Juniper's SSL VPN functionality (via the MAG Series gateways running Junos Pulse Secure Access Service, or SA Series SSL VPN Appliances) and an automatic patch remediation license, ensure that users such as teleworkers, partners, and suppliers with a secure remote access connection to your network are enabled with the latest patch updates automatically and dynamically.
- Juniper's subscription-based automatic patch remediation license ensures that the latest patch updates are available for and loaded on all Windows PC devices at all times, regardless of the device location.

Juniper Networks Services and Support

Juniper Networks is the leader in performance-enabling services and support, which are designed to accelerate, extend, and optimize your high-performance network. Our services allow you to bring revenue-generating capabilities online faster so you can realize bigger productivity gains and faster rollouts of new business models and ventures. At the same time, Juniper Networks ensures operational excellence by optimizing your network to maintain required levels of performance, reliability, and availability. For more details, please visit www.juniper.net/us/en/products-services.

Ordering Information

MODEL NUMBER	DESCRIPTION
Patch Remediation Licenses	
ACCESS-PRM-50U-1YR	Patch Remediation Management (PRM), 1-year subscription for 50 simultaneous users
ACCESS-PRM-100U-1YR	Patch Remediation Management (PRM), 1-year subscription for 100 simultaneous users
ACCESS-PRM-250U-1YR	Patch Remediation Management (PRM), 1-year subscription for 250 simultaneous users
ACCESS-PRM-500U-1YR	Patch Remediation Management (PRM), 1-year subscription for 500 simultaneous users
ACCESS-PRM-1000U-1YR	Patch Remediation Management (PRM), 1-year subscription for 1,000 simultaneous users
ACCESS-PRM-2000U-1YR	Patch Remediation Management (PRM), 1-year subscription for 2,000 simultaneous users
ACCESS-PRM-2500U-1YR	Patch Remediation Management (PRM), 1-year subscription for 2,500 simultaneous users
ACCESS-PRM-5000U-1YR	Patch Remediation Management (PRM), 1-year subscription for 5,000 simultaneous users
ACCESS-PRM-7500U-1YR	Patch Remediation Management (PRM), 1-year subscription for 7,500 simultaneous users
ACCESS-PRM-10KU-1YR	Patch Remediation Management (PRM), 1-year subscription for 10,000 simultaneous users
ACCESS-PRM-20KU-1YR	Patch Remediation Management (PRM), 1-year subscription for 20,000 simultaneous users
ACCESS-PRM-25KU-1YR	Patch Remediation Management (PRM), 1-year subscription for 25,000 simultaneous users
ACCESS-PRM-50U-2YR	Patch Remediation Management (PRM), 2-year subscription for 50 simultaneous users
ACCESS-PRM-100U-2YR	Patch Remediation Management (PRM), 2-year subscription for 100 simultaneous users
ACCESS-PRM-250U-2YR	Patch Remediation Management (PRM), 2-year subscription for 250 simultaneous users
ACCESS-PRM-500U-2YR	Patch Remediation Management (PRM), 2-year subscription for 500 simultaneous users
ACCESS-PRM-1000U-2YR	Patch Remediation Management (PRM), 2-year subscription for 1,000 simultaneous users
ACCESS-PRM-2000U-2YR	Patch Remediation Management (PRM), 2-year subscription for 2,000 simultaneous users
ACCESS-PRM-2500U-2YR	Patch Remediation Management (PRM), 2-year subscription for 2,500 simultaneous users
ACCESS-PRM-5000U-2YR	Patch Remediation Management (PRM), 2-year subscription for 5,000 simultaneous users
ACCESS-PRM-7500U-2YR	Patch Remediation Management (PRM), 2-year subscription for 7,500 simultaneous users
ACCESS-PRM-10KU-2YR	Patch Remediation Management (PRM), 2-year subscription for 10,000 simultaneous users
ACCESS-PRM-20KU-2YR	Patch Remediation Management (PRM), 2-year subscription for 20,000 simultaneous users

Ordering Information (continued)

MODEL NUMBER	DESCRIPTION
ACCESS-PRM-25KU-2YR	Patch Remediation Management (PRM), 2-year subscription for 25,000 simultaneous users
ACCESS-PRM-50U-3YR	Patch Remediation Management (PRM), 3-year subscription for 50 simultaneous users
ACCESS-PRM-100U-3YR	Patch Remediation Management (PRM), 3-year subscription for 100 simultaneous users
ACCESS-PRM-250U-3YR	Patch Remediation Management (PRM), 3-year subscription for 250 simultaneous users
ACCESS-PRM-500U-3YR	Patch Remediation Management (PRM), 3-year subscription for 500 simultaneous users
ACCESS-PRM-1000U-3YR	Patch Remediation Management (PRM), 3-year subscription for 1,000 simultaneous users
ACCESS-PRM-2000U-3YR	Patch Remediation Management (PRM), 3-year subscription for 2,000 simultaneous users
ACCESS-PRM-2500U-3YR	Patch Remediation Management (PRM), 3-year subscription for 2,500 simultaneous users
ACCESS-PRM-5000U-3YR	Patch Remediation Management (PRM), 3-year subscription for 5,000 simultaneous users
ACCESS-PRM-7500U-3YR	Patch Remediation Management (PRM), 3-year subscription for 7,500 simultaneous users
ACCESS-PRM-10KU-3YR	Patch Remediation Management (PRM), 3-year subscription for 10,000 simultaneous users
ACCESS-PRM-20KU-3YR	Patch Remediation Management (PRM), 3-year subscription for 20,000 simultaneous users
ACCESS-PRM-25KU-3YR	Patch Remediation Management (PRM), 3-year subscription for 25,000 simultaneous users

About Juniper Networks

Juniper Networks is in the business of network innovation. From devices to data centers, from consumers to cloud providers, Juniper Networks delivers the software, silicon and systems that transform the experience and economics of networking. The company serves customers and partners worldwide. Additional information can be found at www.juniper.net.

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