

## ProCurve Manager Plus 2.3

ProCurve Manager Plus 2.3 is a secure, advanced Windows-based network management platform that allows administrators to configure, update, monitor, and troubleshoot ProCurve devices centrally with easy-to-use information-rich screens. The administrator can enable policies that will take automated actions in response to network events from a variety of sources. The software can run on its own or with HP OpenView Network Node Manager integration, allowing administrators to monitor multivendor networks while leveraging ProCurve-specific Adaptive EDGE management functions. ProCurve Manager Plus can be enhanced with plug-in modules, such as ProCurve Network Immunity Manager, Identity Driven Manager, and Mobility Manager. ProCurve Manager Plus can also integrate base management for third-party devices.

# ProCurve Manager Plus 2.3

## Features and benefits

### Additional information

• **ProCurve Manager Plus 2.3 has all of the features of ProCurve Manager 2.3, along with:**

• **In-depth traffic analysis:** An integrated, low-overhead traffic monitor interface shows detailed information on traffic throughout the network. Using enhanced traffic analysis protocols such as XRMON and sFlow, the user can monitor input and output traffic levels per device, segments with the highest traffic, or even the top users within a network segment.

**NEW Policy creation and enforcement:** ProCurve Manager Plus 2.3 brings the ability to create policies, set alerts, and take action to enforce network or device policies. Network threats, bandwidth, or link issues can be mitigated by proactive policies and enforced with alerts and actions.

• **Easier configuration management:** Changes in configuration are tracked and logged, and archived configurations can be applied to one or many devices. Configurations can be compared over time or between two devices, with the differences highlighted for the user.

• **Advanced VLAN management:** A new, easy-to-use VLAN management interface allows the user to create and assign VLANs across the entire network, without having to access each network device individually.

**NEW Audit change reporting:** ProCurve Manager Plus now provides a configuration change log for all configuration changes. The audit log is provided to help customers meet compliance reporting regulations.

• **Device software updates:** ProCurve Manager Plus 2.3 automatically obtains new device software images from ProCurve and updates devices, allowing the user to download the latest version or choose the desired version. Updates can be scheduled easily across large groups of devices, all at user-specified times.

• **Investment protection:** The modular software architecture of ProCurve Manager Plus 2.3 will allow ProCurve to offer network administrators add-on software solutions that complement their needs.

• **SNMPv3:** ProCurve Manager uses the secure SNMPv3 management protocol to help ensure the privacy of management data between the management server and the managed devices. It is integrated with HP OpenView's Network Node Manager implementation of SNMPv3.

• **HP OpenView Network Node Manager Windows integration:**

- **Installation:** The option to integrate with HP OpenView Network Node Manager (NNM) Windows may be selected at installation.

ProCurve Manager Plus 2.3 will then integrate with the 6.41 and 7.x versions of NNM.

- **Auto-discovery coordinated with OpenView Network Node Manager:** When integrated with NNM, ProCurve Manager Plus 2.3 will use NNM's discovery database and then retrieve additional ProCurve device data for the ProCurve Manager Plus database.

- **Topology mapping:** When integrated with NNM, ProCurve Manager Plus will provide ProCurve device icons to the NNM topology map. The NNM topology map will be the primary mapping mechanism, with the option to launch the ProCurve Manager map views as well. This allows easy identification of ProCurve devices and allows the user, via right mouse button selection, to retrieve a ProCurve Manager Plus map of all selected ProCurve devices.

• **Network management security:**

- **Secure shell for telnet and command-line interface (CLD):** Secure shell (SSH) provides encrypted data when ProCurve Manager Plus 2.3 is accessing a device via telnet and CLI. This helps ensure that changes to network devices are safe from tampering by hackers.

- **RADIUS authentication of network management administrators:** ProCurve Manager Plus 2.3 can be configured to use the RADIUS industry-standard protocol to authenticate network management administrators. This authentication approach allows for

# ProCurve Manager Plus 2.3

simplified and standardized user administration.

- **Advanced monitoring and diagnosis:**

- **Inter-switch consistency checking between connected ports:** Switches connected to one another in a network should have consistent configurations on each side of the connected ports. ProCurve Manager Plus 2.3 checks these parameters to help ensure the proper reliable behavior occurs over these links. Parameters checked include VLAN ID and name, full-duplex/half-duplex, VLAN tagged vs. untagged packets, QoS, and priorities. These checks save administrator diagnosis time and ensure reliable data exchange.

- **BootROM consistency check:** ProCurve Manager Plus 2.3 checks BootROMs during the firmware update process to ensure that the target firmware has the required BootROM before updating of the firmware is allowed. This prevents network downtime and alerts administrators of needed upgrades before errors occur.

- **Find Port diagnostic capabilities:** ProCurve Manager Plus 2.3 provides the ability to find a switch port when given an IP or MAC address. This function can be initiated manually by the administrator or automatically by an external event. This enables administrators to automatically isolate problems to specific ports and take automated corrective action, saving time and reducing network downtime.

- **Enable port mirroring and remote port mirroring on select ProCurve switches:** ProCurve Manager Plus 2.3 can set port mirroring and remote port mirroring on select advanced ProCurve switches.

- **Friendly port names:** ProCurve Manager Plus 2.3 allows the administrator to set and display friendly port names.

- **Command-line interface:**

- **CLI command policies saved by name:** Configuration policies represented by a series of CLI commands can be saved by a unique name to be executed again for repetitive tasks.

- **CLI policies can be triggered by external events:** Configuration policies represented as a series of CLI-like commands can be

automatically executed when configurable external events trigger them.

## Industry-leading warranty

- 90-day media warranty and lifetime free phone support

# ProCurve Manager Plus 2.3

## ProCurve Manager Plus 2.3 50-device license (J9057A)

## ProCurve Manager Plus 2.3 upgrade +100-device license (J9058A)

### Specifications

	For networks having 50 to 250 managed devices, ProCurve recommends the following:	For networks having 50 to 250 managed devices, ProCurve recommends the following:
Minimum system hardware	2.0 GHz Intel Pentium 4 or equivalent processor 2 GB RAM memory 10 GB storage 1000 MB NIC for PCM+ as a standalone application, assuming a dedicated server	2.0 GHz Intel Pentium 4 or equivalent processor 2 GB RAM memory 10 GB storage 1000 MB NIC for PCM+ as a standalone application, assuming a dedicated server
Recommended system hardware	3.0 GHz Intel Pentium 4 or equivalent processor 3 GB RAM memory 40 GB storage 1000 MB NIC for PCM+ assuming a dedicated server, and including ProCurve Identity Driven Manager, Mobility Manager, and Network Immunity Manager on the same server	3.0 GHz Intel Pentium 4 or equivalent processor 3 GB RAM memory 40 GB storage 1000 MB NIC for PCM+ assuming a dedicated server, and including ProCurve Identity Driven Manager, Mobility Manager, and Network Immunity Manager on the same server
Recommended software	Windows XP SP2 Windows XP Professional SP2 Microsoft Windows 2003 Server (32-bit)	Windows XP SP2 Windows XP Professional SP2 Microsoft Windows 2003 Server (32-bit)
	For networks having 250 to 2,000 managed devices, ProCurve recommends the following:	For networks having 250 to 2,000 managed devices, ProCurve recommends the following:
Minimum system hardware	3.0 GHz Intel Pentium 4 or equivalent processor 3 GB RAM memory 40 GB storage 1000 MB NIC for PCM+ as a standalone application, assuming a dedicated server	3.0 GHz Intel Pentium 4 or equivalent processor 3 GB RAM memory 40 GB storage 1000 MB NIC for PCM+ as a standalone application, assuming a dedicated server
Recommended system hardware	Intel Xeon or equivalent processor 4 GB RAM memory 80 GB storage 1000 MB NIC for PCM+ assuming a dedicated server, and including ProCurve Identity Driven Manager, Mobility Manager, and Network Immunity Manager on the same server	Intel Xeon or equivalent processor 4 GB RAM memory 80 GB storage 1000 MB NIC for PCM+ assuming a dedicated server, and including ProCurve Identity Driven Manager, Mobility Manager, and Network Immunity Manager on the same server
Browsers	Microsoft Internet Explorer version 5.0 or later	Microsoft Internet Explorer version 5.0 or later
Supported platforms	HP OpenView Network Node Manager version 6.41 or 7.01 or 7.5	HP OpenView Network Node Manager version 6.41 or 7.01 or 7.5
Additional requirements	NOTE: ProCurve Network Immunity Manager when loaded on PCM+ 2.3 can sample up to 500 managed ports using sFlow or XRMON.	NOTE: ProCurve Network Immunity Manager when loaded on PCM+ 2.3 can sample up to 500 managed ports using sFlow or XRMON.

#### Notes

## ProCurve Manager Plus 2.3

Additional processing power may be necessary for extensive traffic monitoring.  
Unlimited license means that ProCurve does not impose a limit on the number of devices attached to the network as a condition of the license.  
Some degradation in performance may be expected the greater the number of devices attached to the network.  
Specifications subject to change

Additional processing power may be necessary for extensive traffic monitoring.  
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Specifications subject to change

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# ProCurve Manager Plus 2.3

## ProCurve Manager Plus 2.3 unlimited-device license (J9059A)

## ProCurve Manager Plus 2.3 upgrade from PCM+ 1.6 or newer (J9056A)

### Specifications

	For networks having 50 to 250 managed devices, ProCurve recommends the following:	For networks having 50 to 250 managed devices, ProCurve recommends the following:
Minimum system hardware	2.0 GHz Intel Pentium 4 or equivalent processor 2 GB RAM memory 10 GB storage 1000 MB NIC for PCM+ as a standalone application, assuming a dedicated server	2.0 GHz Intel Pentium 4 or equivalent processor 2 GB RAM memory 10 GB storage 1000 MB NIC for PCM+ as a standalone application, assuming a dedicated server
Recommended system hardware	3.0 GHz Intel Pentium 4 or equivalent processor 3 GB RAM memory 40 GB storage 1000 MB NIC for PCM+ assuming a dedicated server, and including ProCurve Identity Driven Manager, Mobility Manager, and Network Immunity Manager on the same server	3.0 GHz Intel Pentium 4 or equivalent processor 3 GB RAM memory 40 GB storage 1000 MB NIC for PCM+ assuming a dedicated server, and including ProCurve Identity Driven Manager, Mobility Manager, and Network Immunity Manager on the same server
Recommended software	Windows XP SP2 Windows XP Professional SP2 Microsoft Windows 2003 Server (32-bit)	Windows XP SP2 Windows XP Professional SP2 Microsoft Windows 2003 Server (32-bit)
	For networks having 250 to 2,000 managed devices, ProCurve recommends the following:	For networks having 250 to 2,000 managed devices, ProCurve recommends the following:
Minimum system hardware	3.0 GHz Intel Pentium 4 or equivalent processor 3 GB RAM memory 40 GB storage 1000 MB NIC for PCM+ as a standalone application, assuming a dedicated server	3.0 GHz Intel Pentium 4 or equivalent processor 3 GB RAM memory 40 GB storage 1000 MB NIC for PCM+ as a standalone application, assuming a dedicated server
Recommended system hardware	Intel Xeon or equivalent processor 4 GB RAM memory 80 GB storage 1000 MB NIC for PCM+ assuming a dedicated server, and including ProCurve Identity Driven Manager, Mobility Manager, and Network Immunity Manager on the same server	Intel Xeon or equivalent processor 4 GB RAM memory 80 GB storage 1000 MB NIC for PCM+ assuming a dedicated server, and including ProCurve Identity Driven Manager, Mobility Manager, and Network Immunity Manager on the same server
Browsers	Microsoft Internet Explorer version 5.0 or later	Microsoft Internet Explorer version 5.0 or later
Supported platforms	HP OpenView Network Node Manager version 6.41 or 7.01 or 7.5	HP OpenView Network Node Manager version 6.41 or 7.01 or 7.5
Additional requirements	NOTE: ProCurve Network Immunity Manager when loaded on PCM+ 2.3 can sample up to 500 managed ports using sFlow or XRMON.	NOTE: ProCurve Network Immunity Manager when loaded on PCM+ 2.3 can sample up to 500 managed ports using sFlow or XRMON.

#### Notes

## ProCurve Manager Plus 2.3

Additional processing power may be necessary for extensive traffic monitoring.  
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Specifications subject to change

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Specifications subject to change

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# ProCurve Manager Plus 2.3

## Accessories

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### **ProCurve Identity Driven Manager 2.3 base product (upgrade from 1.0) (J9013A)**

Identity Driven Manager 2.3 500-user upgrade from 1.0 allows existing IDM 1.0 customers to get the features of IDM 2.3, with a 500-user limitation.

#### **System requirements**

Please see ProCurve Manager Plus for system requirements.

#### **Required platforms**

#### **Supported platforms**

#### **RADIUS server support**

FreeRADIUS on SuSe Enterprise Linux (9.3 and 10.0)  
FreeRADIUS on Red Hat Enterprise Linux (4.0 and 5.0)  
Steel-Belted RADIUS on Windows (versions 5.3 and 5.4)  
Microsoft Network Policy Server on Windows Server 2008 (32-bit)  
Microsoft Internet Authentication Service (IAS) on Windows Server 2003 (32-bit)

#### **Features**

Intuitive Explorer-style interface

OpenView NNM integration

Application of policies by user identity  
- Auto VLAN assignment  
- Auto set quality of service by user  
- Auto set bandwidth assignment by user  
Rule-based access rights deployment  
Dynamic rights assignment based on:  
- Time  
- Location  
- User system  
Auto-discovery of:  
- RADIUS servers  
- Realms  
- Users

#### **Notes**

This upgrade provides Identity Driven Manager 2.0, which allows for managing up to 500 users. Customers may add users in quantities of 2,000 by purchasing J9014A.

### **ProCurve Identity Driven Manager 2.3 base product--500-user license (J9012A)**

ProCurve Identity Driven Manager is a plug-in to ProCurve Manager Plus that dynamically applies security and performance settings based on user, device, location, time, and endpoint posture-- 500-user license

#### **System requirements**

Please see ProCurve Manager Plus for system requirements.

#### **Required platforms**

#### **Supported platforms**

#### **RADIUS server support**

FreeRADIUS on SuSe Enterprise Linux (9.3 and 10.0)  
FreeRADIUS on Red Hat Enterprise Linux (4.0 and 5.0)  
Steel-Belted RADIUS on Windows (versions 5.3 and 5.4)  
Microsoft Network Policy Server on Windows Server 2008 (32-bit)  
Microsoft Internet Authentication Service (IAS) on Windows Server 2003 (32-bit)

#### **Features**

Intuitive Explorer-style interface  
OpenView NNM integration

Application of policies by user identity  
- Auto VLAN assignment  
- Auto set quality of service by user  
- Auto set bandwidth assignment by user  
Rule-based access rights deployment  
Dynamic rights assignment based on:  
- Time  
- Location  
- User system  
Auto-discovery of:  
- RADIUS servers  
- Realms  
- Users

#### **Notes**

Identity Driven Manager requires the ProCurve Manager Plus platform.

The base product for Identity Driven Manager allows for managing up to 500 users. Customers may add users in quantities of 2,000 by purchasing J9014A.

# ProCurve Manager Plus 2.3

## **ProCurve Identity Driven Manager 2.3--add 2,000 users license (J9014A)**

Adds support for 2,000 additional users to the base Identity Driven Manager 2.2 product

### **System requirements**

This license adds support for an additional 2,000 users to the IDM base products of J9012A or J9013A.

### **Recommended software**

### **Browsers**

### **Required platforms**

### **RADIUS server support**

### **Features**

Intuitive Explorer-style interface  
OpenView NNM integration

Application of policies by user identity  
- Auto VLAN assignment  
- Auto set quality of service by user  
- Auto set bandwidth assignment by user  
Rule-based access rights deployment  
Dynamic rights assignment based on:  
- Time  
- Location  
- User system  
Auto-discovery of:  
- RADIUS servers  
- Realms  
- Users

### **Notes**

Requires the Identity Driven Manager base product (J9012).

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## **ProCurve Network Immunity Manager 1.0 50-device license (J9060A)**

ProCurve Network Immunity Manager is a plug-in module for ProCurve Manager Plus 2.2 that provides a rich toolset to manage internal network threat detection and response in a wired and wireless network environment.

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## **ProCurve Network Immunity Manager 1.0 +100-device license (J9061A)**

ProCurve Network Immunity Manager is a plug-in module for ProCurve Manager Plus 2.2 that provides a rich toolset to manage internal network threat detection and response in a wired and wireless network environment.

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## **ProCurve Network Immunity Manager 1.0 unlimited-device license (J9062A)**

ProCurve Network Immunity Manager is a plug-in module for ProCurve Manager Plus 2.2 that provides a rich toolset to manage internal network threat detection and response in a wired and wireless network environment.

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# ProCurve Manager Plus 2.3

## ProCurve Mobility Manager 2.0 upgrade from PMM 1.1 (J9081A)

### Notes

Requires ProCurve Manager Plus version 2.3 or greater. For system requirements, please refer to the ProCurve Manager Plus specifications list.

### Supported devices:

- ProCurve Access Point 530
- ProCurve Access Point 420
- ProCurve Radio Port 210, 220, and 230
- ProCurve Wireless Edge Services zl Module
- ProCurve Wireless Edge Services xl Module
- ProCurve wireless antennas

Additional processing power may be necessary for extensive traffic monitoring.

Unlimited license means that ProCurve does not impose a limit on the number of devices attached to the network as a condition of the license.

Some degradation in performance may be expected the greater the number of devices attached to the network.

Specifications subject to change



## ProCurve Mobility Manager 2.0 50-device license (J9074A)

### Notes

Requires ProCurve Manager Plus version 2.3 or greater. For system requirements, please refer to the ProCurve Manager Plus specifications list.

### Supported devices:

- ProCurve Access Point 530
- ProCurve Access Point 420
- ProCurve Radio Port 210, 220, and 230
- ProCurve Wireless Edge Services zl Module
- ProCurve Wireless Edge Services xl Module
- ProCurve wireless antennas

Additional processing power may be necessary for extensive traffic monitoring.

Unlimited license means that ProCurve does not impose a limit on the number of devices attached to the network as a condition of the license.

Some degradation in performance may be expected the greater the number of devices attached to the network.

Specifications subject to change

## ProCurve Mobility Manager 2.0 +100-device license (J9075A)

### Notes

Requires ProCurve Manager Plus version 2.3 or greater. For system requirements, please refer to the ProCurve Manager Plus specifications list.

### Supported devices:

- ProCurve Access Point 530
- ProCurve Access Point 420
- ProCurve Radio Port 210, 220, and 230
- ProCurve Wireless Edge Services zl Module
- ProCurve Wireless Edge Services xl Module
- ProCurve wireless antennas

Additional processing power may be necessary for extensive traffic monitoring.

Unlimited license means that ProCurve does not impose a limit on the number of devices attached to the network as a condition of the license.

Some degradation in performance may be expected the greater the number of devices attached to the network.

Specifications subject to change

## ProCurve Mobility Manager 2.0 unlimited-device license (J9076A)

### Notes

Requires ProCurve Manager Plus version 2.3 or greater. For system requirements, please refer to the ProCurve Manager Plus specifications list.

### Supported devices:

- ProCurve Access Point 530
- ProCurve Access Point 420
- ProCurve Radio Port 210, 220, and 230
- ProCurve Wireless Edge Services zl Module
- ProCurve Wireless Edge Services xl Module
- ProCurve wireless antennas

Additional processing power may be necessary for extensive traffic monitoring.

Unlimited license means that ProCurve does not impose a limit on the number of devices attached to the network as a condition of the license.

Some degradation in performance may be expected the greater the number of devices attached to the network.

Specifications subject to change

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