



Release Notes: ProCurve Manager Version 2.1, Update 9

PCM version 2.1, Update 9 supports these products:

- J8778A ProCurve Manager Plus 2.1 - 100-device license
- J9009A ProCurve Manager Plus 2.1 - unlimited device license
- J8991A ProCurve Manager Plus 2.1, upgrade from PCM 1.6 -100-device license
- J8779A ProCurve Manager Plus 2.1, upgrade to unlimited device license, from current 100-device license

If you are using an earlier version of PCM or PCM+, you must first upgrade to PCM 2.1 before you can apply the fixes included in this update.

These release notes include information on the following:

- Clarifications and updates to text in existing PCM 2.1 product manuals. ([Page 3](#))
- A listing of enhancements included in the Auto-Update releases. ([Page 4](#))
- A listing of software fixes included in the Auto-Update releases. ([Page 9](#))

Related Publications

For the latest version of any of the publications listed below, visit the ProCurve Networking Web site at <http://www.procurve.com>. Click on **Technical support**, then **Product manuals**.

- Read Me First for the ProCurve Manager, Version 2.1
- ProCurve Network Management Getting Started Guide
- ProCurve Manager Plus 2.1 Network Administrator's Guide

Software Management – ProCurve Manager 2.1 Updates

You can install this ProCurve Manager Plus 2.1 (PCM+ 2.1, Update 9) update using the “Automatic Update” feature in PCM+, or you can install it manually.

To verify if the Update has already been installed, look in the Update History window under the PCM Global Preferences:

[Tools->Preferences->Automatic Updates->Update History]

Using the PCM Automatic Update to Install

1. Open the Preferences panel in the PCM Client and select the **Automatic Updates** node.
2. Click the **Check Now** button. A dialog appears with a list of the available update(s).
3. Select the update, ensure that the **install** checkbox is enabled and click the **Next** button.
4. A warning message appears, advising you that any PCM clients will be disconnected. Click **OK** to continue.
5. After the update package is downloaded, you will be prompted to close the PCM Client. Click **OK** to close the pop-up, then close the Preferences window and exit PCM.

The update will be applied and the PCM services restarted. Once this is done you can reconnect with the PCM client and begin using the updated version of PCM.

Using the Manual Process to Install

1. Copy the pcm_2_1_update_9.zip file to the \PNM\server\data\download\autoupdate directory.*
2. Open the Preferences panel in the PCM Client and select the **Automatic Updates** node to display the Global:Automatic Updates panel.
3. Click the **Check Now** button at the bottom of the panel to display the **Select update mode:** dialog.
4. Select the **Check for updates in PCM's download folder** option and press **Next**.
5. You should see the new auto-update presented for installation, and you can continue with the Update installation (steps 3 through 5 above).
6. Restart the client and verify that the update was applied by checking the **Update History** node located under the Automatic Updates preference node.

* The default PCM server installation directory is: C:\Program Files\Hewlett-Packard\PNM\server on the workstation where PCM was initially installed.

Clarifications and Updates

- The following corrections apply to the original version of the ProCurve Manager Release 2.1 Network Administrator's Guide, in Chapter 12, Using the PCM+ Configurable Integration Platform
 - The .udt and .udd files are supposed to be used for adding user-defined devices that are not switches (things like DNS, DHCP and RADIUS servers). These devices will always appear in the "User-defined devices" folder in PCM. The examples for adding user-defined devices incorrectly indicate adding a third-party router using the .udt and .udd file types. While this method will work to list third-party devices in the "User-defined devices" folder, it will not extend management capabilities of PCM to the device.
 - The 'Capabilities' parameters shown in the example on pages 12-4 and 12-5 are not applicable to the .udt file
 - Text on page 12-6 incorrectly states: "Each user-defined device file must have an extension of .ude." The correct file extension for user-defined device files is .udd.
 - On page 12-8, under the .uda file definition and the Notes, the text shows the "ExecTarget=" parameter. This parameter should be listed as "Target=".
 - On page 12-12, the .trg file definition lists the "Action=<actionID>" parameter. This parameter should be given as ActionID=<action ID>.
- To access the "Create VLAN" function, you must select a device in the Devices List tab, then select the Create VLAN option from the VLAN menu in the toolbar.
- When applying an (automatic) update that provides support for a new device type, you will need to re-discover the device(s). This is required to correctly re-classify and move the device(s) out of the "ProCurve Others" node.
- If you run the Test Communication Parameters in PCM and it fails on the Telnet connection with the "Device Unreachable" error message, check that the default ProCurve device configuration is set to Menu (instead of CLI). If necessary, you can change the device configuration back to CLI using the Setup command. The device will then connect correctly within ProCurve Manager.
- When using TACACs authorization for operator and manager access, you need to configure the CLI communication parameters in PCM to match the TACACs configuration. If the operator level username and password is not set correctly, CLI access via PCM will fail.
- PCM auto-update periodically adds support for new devices (see Enhancements section). Prior to support being included, PCM classifies new device types as "ProCurve Others" in the navigation tree. After installing the update, you need to manually delete the devices from the "ProCurve Others" folder, then re-discover the devices. If the devices still do not appear in the correct device group, make sure the communication parameters (telnet, community names, etc.) used by PCM match the parameters set on the device.

PCM 2.1 Enhancements

Unless otherwise noted, each new release includes the features added in all previous releases.

Update 9 Enhancements

- PCM has been enhanced to support use of SNMPv3 protocol on the ProCurve Secure Router 7000dl series. Users can now configure SNMPv3 parameters in “Communication Parameters in PCM” for purposes of communicating with the Secure Router 7000dl series devices. Users will need to configure the Secure Router 7000dl to use SNMPv3 for management access using the commands described in Chapter 2 of the *Basic Management and Configuration Guide* for the ProCurve Secure Router 7000dl.

Update 8 Enhancements

Device Support

- Support for the following new ProCurve products is included in Update 8:
 - The 2900-24G (J9049A) and 2900-48G (J9050A).

Update 7 Enhancements

Device Support

- Support for the following new ProCurve products is included in Update7:
 - 2810-24G Switch (J9021A) and 2810-48G Switch (J9022A)
 - 2510-24 Switch (J9019A)
 - 1800 Series Switches: 1800-8G (J9029A,) and 1800-24G ((J9028A)
 - Access Control Server 745wl (J9038A)

Note

When support for new devices is added to PCM, you may need to delete the device(s) from the Unknown devices list, then restart Discovery or use the (Manual) Discovery Wizard to get the new device types to appear in the proper device group node.

Update 6 Enhancements

Device Support

- Support for the following new ProCurve products is included in Update 6:
 - 5412zl Switch (J8698A)
 - 6200yl-24G-mGBIC (J8992A)
 - Wireless Access Point 530 (J8986A, J8987A) - This update supports the Access Point 530 within PCM 2.1 only, it does not include Mobility Manager (PMM) functionality.

Note:

If no trap receiver is set on an AP 530 (the default configuration) and it is running versions WA.01.17 or WA.01.18 software, ProCurve Manager's attempt to set the trap receiver during manual or auto-discovery fails and a Discovery application event is posted to the Event browser.

Once a trap receiver is set manually (using the PCM CLI Wizard, or the device CLI or Web UI), Discovery will work correctly and additional trap receivers can be configured.

To set a trap receiver using the CLI, the command syntax is as follows:

```
configure
snmp-server host <trap receiver ip address> < community name>
write mem
```

The community name must be 'public' for use with default configurations for ProCurve Manager.

Update 5 Enhancements

Limited release only, with support for recently released 5412zl and 6200yl products.

Update 4 Enhancements

Device Support

- Support for the new ProCurve Wireless Services Module was added to the ProCurve Manager and Identity Driven Manager software. (It is not currently supported in the Mobility Manager software)

Update 3 Enhancements

Traffic

- The rate at which traffic data is sampled is now tuned to provide an optimal number of samples on each monitored port given the level of traffic actually observed on the port. PCM adjusts the number of packets between samples so that it always gets one sample per second, irrespective of traffic level or link speed.
- Improved error reporting by traffic data collector to better identify potential problems

Device Support

- Support for the new ProCurve Series 5400zl and 3500yl switches and for the 3400cl-48G switch was added to the ProCurve Manager software.
- Added traffic support for the ProCurve 8116fl switch.

Update 2 Enhancements

Device Support

- Support for the new ProCurve Series 4200vl switches, and support for the latest software updates for 8100fl switches was added to the ProCurve Manager software.

Update 1 Enhancements

Device Configuration

The Switch Software Preferred Version pie chart on the PCM dashboard display has been enhanced to include a third category named "Unknown". The Unknown category indicates the number of network devices for which the software version cannot currently be determined by PCM.

Find Node

The Find Node feature has been enhanced to include a ping check. Find Node will ping the specified node before starting the find node process. If the node is not reachable, a warning message will be displayed.

Configurable Integration Platform

Using CIP to Plug Other WEB-based Applications into PCM+

You can launch the user interface for other web-based applications from the PCM+ user interface to get a single integrated pane of management. PCM+ will allow you to create a custom "tab" whose contents can be the application of your choice (as long as that user interface is a web-based user interface supported by Internet Explorer).

Creating the interface for other web-based applications is done in three easy steps, as described in the details and examples given below:

1. Create a property file (.trg) that specifies the attributes of the application. The format of the file is shown in the example below:

```
AirWaveTab {  
    Scope=WebTab  
    TabName=AirWave  
    NodeName=Network Management Home  
    URL=https://10.3.4.147  
}
```

Operating Notes:

- The file can be named anything you want, but it must have the ".trg" extension. For the above example it might be `airwave.trg`.
 - The **Scope** property must be set to "WebTab". That specifies that a custom tab should be created for the new application.
 - The **TabName** property can be set to any value you like. Whatever you put there will appear as the name of the tab in PCM. In this case we chose to call it "AirWave".
 - The **NodeName** property specifies the name of the node in the PCM+ navigation tree that will be associated with the tab. In the example above, you will see that the "Network Management Home" node in the tree is specified. The tab created for the AirWave application will only appear when that node is selected. You may specify the name of any node in the PCM+ tree, including the names of Custom Groups, which can be quite useful for plugging in applications for specific groups of devices.
 - Finally, the **URL** property must specify a web address/path to the server of the application. In this case the URL needed to launch the AirWave Management Platform is `https://10.3.4.147`.
2. Save the text property (.trg) file on the PCM+ server, in the `<installdirectory>\PNM\server\config\devconfig\extern directory`
 3. Restart your PCM+ client (no need to restart the server).

PCM 2.1 Enhancements

Update 1 Enhancements

Operating Notes:

Be sure to create and save the file with a text editor such as Notepad. Do not create the file with MS Word or another high-end word processor.

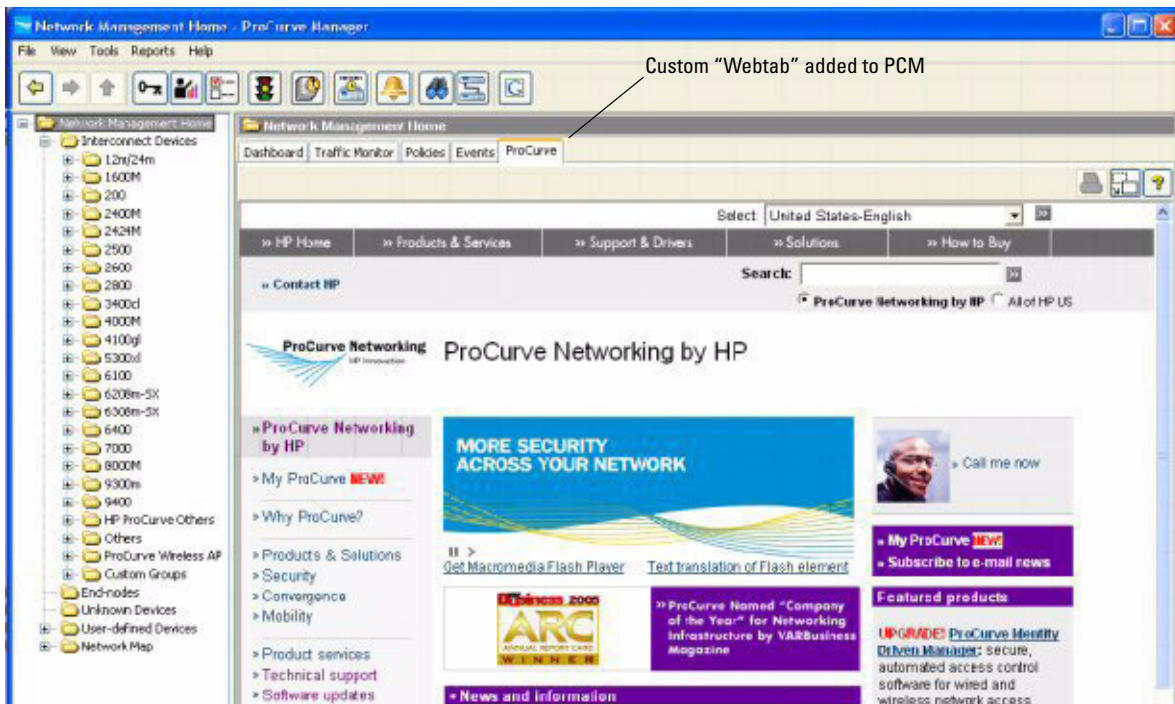
If the tab doesn't appear check the syntax of the file carefully to ensure it matches the format shown in the example, and check that it was copied into the correct location on the PCM+ server.

Example

To call the ProCurve Web site directly into PCM as a tab associated with the root node of the tree, you would create the following ".trg" file in the <installdir>\PNM\server\config\devconfig directory:

```
ProCurveTab {  
    Scope=WebTab  
    TabName=ProCurve  
    NodeName=Network Management Home  
    URL=http://www.procurve.com  
}
```

Example of Webtab for ProCurve Web site added to PCM:



Software Fixes in PCM 2.1 Updates

Unless otherwise noted, each new release includes the software fixes added in all previous releases.

Update 9

The following problems were resolved in PCM 2.1 Update 8

- **Device Manager (PR_1000383354)** — On the 'Configure SNMP V3 parameters' screen, changed the text "private" to "privacy" and "IP Address" to "IP Address/DNS Name".
- **Enhancement (PR_1000377404)** — Users can now configure SNMPv3 parameters in “Communication Parameters in PCM” for purposes of communicating with the Secure Router 7000dl series devices. Users will need to configure the Secure Router 7000dl to use SNMPv3 for management access using the commands described in Chapter 2 of the *Basic Management and Configuration Guide* for the ProCurve Secure Router 7000dl.
- **Mapping (PR_1000373002)** — LACP trunks links are not displayed (that is, as brown lines) correctly in network map.
- **Mapping (PR_1000378101)** — PCM does not map Switch 1800-to-1800 setups correctly.
- **Software Updates (PR_1000382007)** — In some cases, two-step switch OS updates time out and the second part fails.
- **Traffic (PR_1000378833)** — Can't collect sample data on switch, in some cases. The Traffic tab reports, "No data." for this device.

Update 8

The following problems were resolved in PCM 2.1 Update 8

- **Auto-update (PR_1000361720)** — Auto-update does not allow installation of updates. The user is prompted to install an older version to continue with the current installation.
- **Auto-update (PR_1000362284)** — PCM offers to auto-update versions that the user has already installed.
- **Auto-update (PR_1000363276)** — Automatic updates occur when the Auto-update feature is configured for Notification Only.
- **Communication Parameters (PR_1000335408)** — When SNMP and CLI parameters are configured at the same time the results are inconsistent and no warning is issued.
- **Device Config (PR_1000371783)** - On the Properties screen, PCM does not display the ROM Version, OS Version, or serial number.

Software Fixes in PCM 2.1 Updates

Update 7

- **Device Access (PR_1000348448)** — Setting credentials such as community names, passwords, and test communication parameters on a Switch 4000M gives inconsistent and incorrect results, and PCM does not provide an error message.
- **Device Access (PR_1000367312)** — PCM does not issue a warning when users attempt to configure 'Restricted' or 'Unrestricted' access for community names on multiple Access Points or WAN routers using the 'Communication Parameters in Device' wizard.
- **Device Access (PR_1000361646)** — The 'Enable password' check box is disabled for the 420 Access Point in the 'Communication Parameters in Device' wizard.
- **Device Access (PR_1000367659)** — For the ProCurve 7100 devices, the Manager user name field should be grayed out in the 'Communication Parameters in Device' wizard.
- **Device Access (PR_1000365179)** — When multiple Access Points are selected, even though PCM prompts the user to select the SSH version/type, those fields are grayed out and PCM does not allow the user to select them. With the fix, they are still grayed out but the version is set to 1 and 'type' as 'password'.
- **PCM Client (PR_1000371784)** — PCM client startup takes longer than necessary.
- **Traffic (PR_1000364612)** — The maximum skip count that can be set on a 3500yl, 5400zl, or 6200yl is 16 bits. This can result in Switch performance problems with the 3500yl/5400zl/6200yl Series. With this fix, the maximum skip count increases to 24 bits. This issue was resolved by PR-1000370061 in K.11.63 switch software and later (currently available at <http://www.hp.com/rnd/software/j86921163.htm>)
- **Traffic (PR_1000370053)** — PCM does not allow a device to be added to Traffic Monitor, and/or Traffic Manager database is corrupted, with error messages in the event log similar to:

```
Unable to acquire traffic statistics from device on segment  
'10.2.3.100_port_A1'
```

Update 7

The following problems were resolved in PCM 2.1 Update 7

- **Auto Update (PR_1000333386)** — PCM 2.1 auto update allows incompatible versions to be installed, corrupting PCM.
- **Comm Params (PR_1000345499)** — The Test Communication Parameters fails for CLI operator when used on the 4000M switches.
- **Config Manager (PR_1000345087)** — CLI command "show running - config" does not work for Access Point 530 models.
- **Mapping (PR_1000347708)** — VLAN mapping overlays map segments on top of icons.

- **Policy Manager (PR_1000332187)** — The Policy manager settings for SNMPv3 parameters for the Switch xl Access Controller Module is not handled correctly.
- **Trace Path (PR_1000333900)** — When running "Trace Path" and the user enters a wrong DNS name or IP address in the "Source Device" or "Destination device" field, an error is always returned even after correcting the bad DNS name.
- **Configurable Integration Platform** — Context-sensitive buttons do not appear on the device properties tabview toolbar as expected.

Update 6

The following problems were resolved in PCM 2.1 Update 6

- **Auto-Update (PR_1000333386)** — Auto-update allows incompatible versions to be installed, corrupting PCM
- **Auto-Update (PR_1000333766)** — A manual auto update allows previous updates to be installed
- **Config Manager (PR_1000328053)** — Device configurations larger than 65K cannot be scanned and retained
- **IP Config (PR_1000335416)** — An IP assigned to a VLAN on a device is not being released when that IP is removed and the device is subsequently rediscovered
- **VLAN (PR_1000332113)** — “Modify VLAN Properties” tool fails when targeting an AP420 in PCM 2.1

Update 5

Update 5 was a limited release only.

Update 4

The following problems were resolved in PCM 2.1 Update 4

- **AP 420 Drivers (PR_1000332054)** — When using a “Scan Policy” for numerous AP420’s some configuration scans may fail due to an underlying driver issue.
- **Discovery (PR 1000332120)** — The communication credentials for some devices may not be updated in the DB when the global default communication parameters were changed after the device was discovered.
- **Discovery (PR_1000326630)** — Manual discovery of an existing device does not update security credentials in the discovered model.

Software Fixes in PCM 2.1 Updates Update 3

- **Discovery (PR_1000326645)** — Manual discovery using SNMP V3 with SHA and DES does not work.
- **Passwords (Case #3212946292-321)** — PCM unable to successfully change local passwords when device using TACACS for primary authentication.
- **Server (Case #321297532-321)** — The PCM server may spontaneously restart due to Windows XP log-off events.
- **SSH2 (PR_1000320256)** — Configuring SSH2 on a device does not work in all scenarios.
- **Traffic (Case #3213879145-321)** — TLS (traffic launch service) is continuously restarting in certain PCM upgrade installations

Update 3

The following problems were resolved in PCM 2.1 Update 3

- **Config (PR_1000317917)** — Configuration failure results in device becoming unreachable.
- **Config Scan (PR_1000324123)** — Exception in drivers.fwu.hpAP420wla.versionCompare on call to scan config.
- **Software Update (PR_1000308625)** — Software Update (FWU) status sticks on "Updating" if not set to reboot device.

Update 2

The following problems were resolved in PCM 2.1 Update 2

- **CIP (PR_1000316436)** — More than one WebTab defined for any node in the tree causes redundant tabs to display.
- **Config Deploy (PR_1000311220)** — When attempting to deploy a configuration to a 7000 series device a failure is reported if the configuration is of significant length and/or the device is accessed via a high latency connection.
- **Config Scan (PR_1000315908)** Boot ROM version not shown in the configuration tab after a scan on 9300, 6200 & 6300.
- **Config Scan (PR_1000315682)** — Configuration scanning on 9300 series not working correctly.
- **Auto Unlicensing (PR_1000297827)** — If the user tries to rerun the unlicense operation at a later date, (after retrieving the uninstall verification key) the driver returns the message:

ERROR: No license installed: Error while unlicensing

- **RMON Manager (PR_1000316438)** — RMON Manager fails when attempting to set more than one RMON Threshold on a 9400.

Update 1

The following problems were resolved in PCM 2.1 Update 1

- **Configuration Manager (PR_1000294183)** — Last Scan Date is not updated when the device configuration scanned.
- **Configuration Manager (PR_1000301714)** — The Preferred Version in the Configuration Manger– Switch Software preferences shows the incorrect version when the "prefer latest" checkbox is enabled.
- **Device Display (PR_1000306197)** — Changes to "Port Friendly Names" are not dynamically updated on the Device Properties ->Port Assignment tab.
- **FWU (PR_1000301699)** — Community names display incorrectly in FWU log.
- **OV-NNM (PR_1000302532)** — Maps not appearing in NNM plug-in.
- **OV-NNM (PR_1000303275)** — PCM client fails to connect to NNM plug in if user created with DB access.
- **Path Trace (PR_1000300652)** — Path trace will not accept MAC address of any format.
- **SSH (PR_1000300724, PR_1000300728)** — Changes made to the SSH port in the "Configure SSH Credentials" window (Communication Parameters in PCM wizard) are not applied. PCM still uses port #22.
- **SSH (PR_1000300723)** — Changes made to the Port number in the CLI Preferences window (Preferences->Device Access->CLI) are not applied.
- **Wireless (PR_1000283822)** — Traps from 420AP not showing up in PCM.
- **Wireless** — No support for 420AP running 2.1.2.

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Applicable Products

- J8778A ProCurve Manager Plus 2.1 - 100-device license
- J9009A ProCurve Manager Plus 2.1 - unlimited device license
- J8991A ProCurve Manager Plus 2.1, upgrade from PCM 1.6 -100-device license
- J8779A ProCurve Manager Plus 2.1, upgrade to unlimited device license, from current 100-device license

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<http://www.openssh.com>.

SSL on ProCurve Switches is based on the OpenSSL software toolkit. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. For more information on OpenSSL, visit

<http://www.openssl.org>.

This product includes cryptographic software written by Eric Young (eay@cryptsoft.com). This product includes software written by Tim Hudson (tjh@cryptsoft.com)

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