



Release Notes:

Version WS.01.11 Software

for the ProCurve Wireless Edge Services xl Module (J9001A) and the ProCurve Redundant Wireless Services xl Module (J9003A)

These release notes include information on the following:

- Downloading switch software and documentation from the Web ([page 1](#))
- A listing of software fixes included in release WS.01.11 ([page 7](#))
- Known software issues and limitations ([page 8](#))

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Applicable Product

ProCurve Wireless Edge Services xl Module (J9001A)
ProCurve Redundant Wireless Services xl Module(J9003A)

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Software Management

Software Updates

Check the ProCurve Networking Web site frequently for free software updates for the various ProCurve products you may have in your network.


Downloading Documentation and Software from the Web

You can download software updates and the corresponding product documentation from ProCurve Networking's Web site as described below.

To Download a Software Version:

1. Go to the ProCurve Networking Web site at: <http://www.procurve.com>.
2. Click on **Software updates** (in the sidebar).
3. Under **Latest software**, click on **Wireless**.

To Download Product Documentation: You will need the Adobe® Acrobat® Reader to view, print, and/or copy the product documentation.

1. Go to ProCurve Networking's Web site at <http://www.procurve.com>.
2. Click on **Technical support**, then **Product manuals**.
3. Click on **ProCurve Switch 5300xl series**.
4. On the resulting Web page, double-click on a document you want.
5. When the document file opens, click on the disk icon  in the Acrobat® toolbar and save a copy of the file.

Downloading Software to the Module

Caution

The startup-config file generated by the latest software release is compatible with the same file generated by earlier software releases. HP recommends that you backup your current configuration before performing any software update. See the *Management and Configuration Guide (5013-5912)* for instructions and more information.

ProCurve Networking periodically provides software updates through the ProCurve Networking Web site (<http://www.procurve.com>). After you acquire the new software file, use TFTP or FTP from the Web browser interface or the CLI to update the module software. See the *Management and Configuration Guide (5013-5912)* for instructions and more information.

Notes

Downloading new software does not change the current module configuration. The module configuration is contained in a separate file that can also be transferred, for example, for archive purposes or to be used in another module of the same model.

Saving Configurations

The module operates with two configuration files:

- **Running-Config File:** Exists in volatile memory and controls module operation. Rebooting the module erases the current running-config file and replaces it with an exact copy of the current startup-config file. To save a configuration change, you must save the current configuration in the running-config file to the startup-config file.
- **Startup-Config File:** Exists in flash (non-volatile) memory and preserves the most recently-saved configuration as the “permanent” configuration. When the module reboots for any reason, an exact copy of the current startup-config file becomes the new running-config file in volatile memory.

In the Wireless-Services Context of the CLI, you may use the **write memory** command to save changes made to the running-config file to the startup-up config file. Also, the system prompts you to save any unsaved changes when you leave the Wireless-Services Context.

Saving the Current Configuration as the Start-Up Configuration

When you use the CLI to make a configuration change, the module places the change in the running-config file. If you want to preserve the change across reboots, you must save the change to the startup-config file. Otherwise, the next time the module reboots, the change will be lost.

To save configuration changes while using the CLI:

1. From the Wireless-Services Context:

```
ProCurve Switch 5304XL(wireless-services-B)#write memory  
[OK]  
ProCurve Switch 5304XL(wireless-services-B)#
```

2. Verify that the **[OK]** message displays, indicating that the configuration was saved successfully. The current configuration is now saved as the startup configuration file, and the module will execute the file at each power-up.

See the *Management and Configuration Guide* (5013-5912) for more information on managing module configuration files.

ProCurve Switch, Routing Switch, and Router Software Keys

Software Letter	ProCurve Networking Products
C	1600M, 2400M, 2424M, 4000M, and 8000M
CY	Switch 8100fl Series (8108fl and 8116fl)
E	Switch 5300xl Series (5304xl, 5308xl, 5348xl, and 5372xl)
F	Switch 2500 Series (2512 and 2524), Switch 2312, and Switch 2324
G	Switch 4100gl Series (4104gl, 4108gl, and 4148gl)
H	Switch 2600 Series, Switch 2600-PWR Series: H.07.81 and earlier, or H.08.55 and greater, Switch 2600-8-PWR requires H.08.80 or greater. Switch 6108: H.07.xx and earlier
I	Switch 2800 Series (2824 and 2848)
J	Secure Router 7000dl Series (7102dl and 7203dl)
K	Switch 3500yl Series (3500yl-24G-PWR and 3500yl-48G-PWR), Switch 6200yl-24G, and 5400zl Series (5406zl, 5406zl-48G, 5412zl, and 5412zl-96G)
L	Switch 4200vl Series (4204vl, 4208vl, 4202vl-72, and 4202vl-48G)
M	Switch 3400cl Series (3400-24G and 3400-48G): M.08.51 though M.08.97, or M.10.01 and greater; Series 6400cl (6400cl-6XG CX4, and 6410cl-6XG X2): M.08.51 though M.08.95, or M.08.99 to M.08.100 and greater.
N	Switch 2810 Series (2810-24G and 2810-48G)
P	Switch 1800 Series (Switch 1800-8G – PA.xx; Switch 1800-24G – PB.xx)
Q	Switch 2510 Series (2510-24)
T	Switch 2900 Series (2900-24, and 2900-48G)
WA	ProCurve Access Point 530
WS	ProCurve Wireless Edge Services xl Module and the ProCurve Redundant Wireless Services xl Module
numeric	Switch 9408sl, Switch 9300 Series (9304M, 9308M, and 9315M), Switch 6208M-SX and Switch 6308M-SX (Uses software version number only; no alphabetic prefix. For example 07.6.04.)

Enhancements

Unless otherwise noted, each new release includes the enhancements added in all previous releases. Enhancements are listed in chronological order, oldest to newest software release.

Release WS.01.11 Enhancements

Release WS.01.11 includes the following enhancements:

- Time zone software now complies with the United States Energy Policy Act of 2005. Under the new law, Daylight Saving Time begins the second Sunday of March and ends the first Sunday of November.
- Effective July 20, 2007, new FCC regulations on the use of the 5GHz band, the band used by radios supporting the IEEE 802.11a standard, prohibit the sale of radios not meeting the new specifications. To comply with these new requirements, WS.01.11 disables channels 52, 56, 60, 64 (5.25-5.35 GHz) in the U.S. These channels remain available for use in other countries.
- The restricted management access feature specifies a single interface (VLAN) for management access to a Wireless Edge Services xl module. SNMP access or access to the module's Web browser interface is only available on the specified restricted management VLAN. By default, this feature is not enabled.

To display the current management VLAN, use the **show management** command from the module's CLI. In the example below, the default, not restricted, management VLAN is displayed.

```
ProCurve(wireless-services-A)#show management
Mgmt Interface: vlan1
Management access permitted via any vlan interface
ProCurve(wireless-services-A)#
```

Note: If you change the management VLAN to a VLAN other than VLAN 1, be sure to enter a default route that is within the subnet associated with the new management VLAN. See the *ProCurve Wireless Edge Services xl Modules Management and Configuration Guide* for information on how to add a default route.

To configure a restricted management VLAN, start at the Global Configuration level of the 5300xl CLI and enter the module's CLI. In the following example, VLAN33 is set to be the specified management interface for the Wireless Edge Services xl module in chassis slot A. The **write memory** command saves the configuration.

```
ProCurve# configure
ProCurve(config)# wireless-services a
ProCurve(wireless-services-A)#conf
ProCurve(wireless-services-A) (config)#interface vlan33
ProCurve(wireless-services-A) (config-if)management
ProCurve(wireless-services-A) (config-if)exit
ProCurve(wireless-services-A) (config)#management secure
```

```
ProCurve(wireless-services-A) (config)#exit  
ProCurve(wireless-services-A) #write memory
```

After creating the restricted management VLAN33 (above), the **show management** command displays the following:

```
ProCurve(wireless-services-A) #show management  
Mgmt Interface: vlan33  
Management access restricted to Mgmt Interface
```

When a restricted management VLAN is configured, **management secure** appears on a line in the **show running-config** command output, as shown below:

```
ProCurve(wireless-services-A) (config)#sho run  
!  
! configuration of ProCurveWLANModule Wireless Services version WS.01.11!  
version 1.0  
!  
management secure  
.  
.  
.
```

Use the **show management** command (above) to see what VLAN is being used for the management interface.

To remove a restricted management VLAN, enter the following command:

```
ProCurve(wireless-services-A) (config)#no management secure  
ProCurve(wireless-services-A) (config)#show management  
Mgmt Interface: vlan33  
Management access permitted via any vlan interface
```

The VLAN previously used as the restricted management VLAN is displayed as the management VLAN, but access is allowed from any VLAN.

Software Fixes

Release WS.01.03 was the first software release for the ProCurve Wireless Edge Services xl Module (J9001A) and the ProCurve Redundant Wireless Services xl Module (J9003A).

Release WS.01.05

Problems Resolved in Release WS.01.05

- **Infrastructure (27200)**—Interface's MTU size was not saved in the running config. Now saved correctly.

- **Infrastructure (28463)**—The running-config file includes a time stamp, which makes it appear that the file has changed between fetches. The time stamp has been removed.
- **Security (27441)**—Fixed support for full-size RADIUS packets, and ones that may contain 100 attributes.
- **SNMP (27403)**—SNMP **get** fails for an instance of `hpicfWsmWsInfraFileMgmtImageVersion` after reboot until a walk or **getNext** is done on table entries. Now operates properly.
- **Wireless (27165)**—Password encryption secret configuration issue. Unable to configure 802.11i key with password-encryption secret or specified UNENCRYPTED password. Now operates properly.
- **Wireless (27199)**—Added support for CHAP as an optional authentication type for Web-auth. This is configurable via the CLI only.
- **Wireless (27438)**—Thirteenth RP needs to be seen in unadopted list. Now operates properly.
- **Wireless (27439)**—Attribute (Calling-Station-Id) was missing for Web-auth, causing interoperability problems with IDM server. This has been fixed.
- **Wireless (27443)**—Framed-MTU and Connect-Info in RADIUS request packet for Web-auth and 802.1X were missing. They have been added.
- **Wireless (27214)**—Web-Auth/IDM did not work if there were more than four ACLs or if the RADIUS packet length was more than 250. This has been fixed.
- **Wireless (27437)**—Web-auth redirection did not always work. This has been fixed.

Release WS.01.11

Problems Resolved in Release WS.01.11

- **Security (33010)**—Module can be managed through non-management interfaces. This software change allows the management VLAN access to be restricted.
- **Security (35037)**—Unable to block access to the management applet login screen from web-authentication clients.
- **Wireless (35851)**—Broadcast-Multicast (BCMC) traffic was dropped when DTIM period is set to 1 resulting in SVP "push to talk" feature failure.
- **Wireless (36024)**—BCMC Traffic was sent out at the wrong DTIM, resulting in SVP "push to talk" feature failure.
- **Wireless (37485)**—Malformed Ethernet packets cause a kernel panic from `crypto.c`

Known Software Issues and Limitations

This section identifies issues you may encounter when using a ProCurve Wireless Edge Services xl Module (J9001A) or a ProCurve Redundant Wireless Services xl Module (J9003A).

Release WS.01.05

- In the Web browser interface, radio information is missing in the Wireless Statistics Screen. **MAC Address, Throughput, Bit Speed (Avg.), % Non Unicast,** and **Retries** fields are displayed as blank for radio index 2 (27289).

Release WS.01.11

- Applet (27436) – In the Wireless Statistics page, sort by **Radio Index** and sort by **Bit Speed (Avg.) Mbps** do not work.
- CLI (27202) – The **redundancy hold-period** is incorrectly shown as the **redundancy holdtime-period** in the configuration file.
- Security (41136) - MAC filters are not retained across a reboot
- Wireless (27199) – Support for CHAP as an optional authentication type for Web-authentication is configurable only using the CLI.
- Wireless (37490) - Crash of the redirected daemon is causing Web-authentication to stop working.

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