



# Read Me First

*for the HP Procurve Series 5300XL Switches – Software Version E.05.xx*

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## About Your HP Procurve Series 5300XL Switch Manual Set

The switch manual set includes the following:

Document	Available on the HP Procurve Website	Shipped With the Switch
<i>Read Me First</i> (this document) <sup>1</sup>	Yes	Hardcopy
<i>Installation and Getting Started Guide</i> <sup>1</sup>	Yes	Hardcopy and CD <sup>2</sup>
<i>Management and Configuration Guide</i> <sup>1</sup>	Yes	CD <sup>2</sup>
<i>Access Security Guide</i> <sup>1,3,4</sup>	Yes	No <sup>4</sup>
Release Notes (for software updates) <sup>1,3</sup>	Yes	CD <sup>2</sup>

<sup>1</sup>The latest edition is always available in PDF format and downloadable at <http://www.hp.com/go/hpprocurve>.

<sup>2</sup>The *Product Documentation CD-ROM* shipped with your switch.

<sup>3</sup>Included in the next *Product Documentation CD-ROM* edition following release of a Series 5300XL Switch software update. Usually available only in electronic form. See “Register for Automatic Notification of Updates” on page 2.

<sup>4</sup>The *Access Security Guide* provides information on configuring the switch security features:

- Local Manager and Operator Passwords
- TACACS+ Authentication
- RADIUS Authentication and Accounting
- Secure Shell (SSH) Authentication
- Port-Based Access Control (IEEE 802.1x)
- Per-Port Security
- Authorized IP Managers

Please see the *Access Security Guide* for your switch on the HP Procurve web site, <http://www.hp.com/go/hpprocurve>.

## How To Read or Print Manuals Included On the CD-ROM

To access manuals included on the CD (in PDF format), use the Adobe® Acrobat® Reader. For PCs, you will need version 4.0 (or greater) of the Reader. (If you do not already have this version on your PC, you can install it from the *Product Documentation CD-ROM*.)

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## Caution

Before installing the Adobe Acrobat Reader from the *Product Documentation CD-ROM*, read the Caution in the README.txt file. *Installing the Reader from the CD-ROM without first uninstalling an earlier version of the Reader may cause system problems.*

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**For MAC and UNIX® Platforms.** You can download a Reader from the Adobe website at <http://www.adobe.com>.

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## Software Updates Are Free!



Hewlett-Packard provides free software updates on the HP Procurve website for your Series 5300XL Switch. To access the software updates, go to the HP Procurve website at <http://www.hp.com/go/hpprocurve>, then click on **software** to go to the “Free Software Updates” page.

**Register for Automatic Notification of Updates.** From the “Free Software Updates” page you can also register yourself to automatically receive email notice of new updates for your managed Procurve networking products. Just follow the instructions on that page for how to receive the update notices.

To determine whether you have the latest software, you can compare the software version that is available on the website with the version that is currently installed on your switch. Follow the instructions below to determine the current software version on your switch.

**To Determine the Current Software Version in Your Switch.** Use any of the following methods to view the version:

- Start a console session with the switch. In the console login screen (the first screen displayed), the **Firmware revision** line under the switch name shows the software version.
- If you already have a console session going, at the prompt enter the **show version** command. The resulting display lists the current software version.
- In the web browser interface, click on the **Identity** tab. The current software version is listed as the **revision** number in the **Version** line.

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## Your Free Ticket to Proactive Networking!

HP TopTools for Hubs & Switches is a breakthrough in network management software that gives you more network with less work. The TopTools for Hubs & Switches CD is included at no extra charge with your HP Procurve Series 5300XL Switch. See the system requirements printed on the sleeve containing the HP TopTools CD. (The TopTools CD is separate from the *Product Documentation CD-ROM*.)

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## Saving the Configuration After Installing or Exchanging a Module

The following cases automatically result in a change to the running-configuration on your switch:

- If you replace a module with another module of a different type and then reboot the switch
- If you install a module in a slot that has not previously been used (including when you install a module and apply power to the switch for the first time)

If you want to save such changes to permanent memory (startup-configuration), use the switch console CLI interface and enter the **write memory** command. This causes the switch to use the current hardware configuration after subsequent reboots. (The switch always reboots from the startup-configuration.)

If you do not save hardware changes to the startup-configuration, you will be prompted with the following message (to save the configuration) the next time you use the **reboot** or **reload** commands, or if you move from the CLI to the Menu interface:

```
Do you want to save the current configuration [y/n] ?
```

Note that if you exchange module types in a slot and reboot the switch, but do not save the configuration, you can restore the switch to its prior configuration state by re-installing the original module type in the slot and rebooting the switch again. This is because the switch operates by using the running-config, but reboots from the startup-config.

Replacing a module with another module of the same type in the same slot does not affect the switch configuration and it is not necessary to save the configuration.

For more information on switch memory, including the startup-config and running-config memories, refer to the *Management and Configuration Guide* on the *Documentation CD-ROM* included with your switch.

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## Module Hot Swap Operation Notes

One of the features of your Series 5300XL Switches is the ability to “hot swap” the switch modules. You can install, exchange, or remove modules after the switch has been powered on. Whenever a module is installed during this process, it is initialized tested for correct operation. During this process, the switch Self Test LED is on. If you hot swap another module while the switch is initializing and testing the first module, it is possible to cause the first module or the entire switch to be reset.

**Hot Swap Precautionary Procedures.** To prevent the modules or switch from being reset when you must hot swap multiple modules, follow these simple precautions:

- Before removing or installing any modules, make sure that all network cables are disconnected from the module.
- Do not remove any modules from the switch while the switch Self Test LED is lit.

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## Mini-GBIC Operation Notes

**Hot Swapping mini-GBICs.** The Gigabit-SX and Gigabit-LX mini-GBICs that you can install in your HP Procurve Switch XL mini-GBIC Module can be “hot swapped”—removed and installed after the module is installed in the switch and receiving power. You should disconnect the network cables from the mini-GBICs before hot swapping them.

When you replace a mini-GBIC with another mini-GBIC of a different type and then execute the **write memory** command in the switch console, the switch configures the port on the new mini-GBIC with the default mode (speed and duplex) settings used for new mini-GBIC type. The default mode for both the Gigabit-SX and Gigabit-LX mini-GBICs is **Auto**. Note that the switch retains other port-specific configuration settings, such as trunking, Spanning Tree Protocol (STP), and VLAN values that were configured for the previous mini-GBIC.

**Connecting the mini-GBICs to Devices with Fixed Configurations.** For some older network devices, including some older HP Procurve devices, the default for the Gigabit-SX and -LX ports is a fixed configuration, for example 1000 Mbps/Full Duplex, or is otherwise different from these default configurations for the mini-GBICs, which is **Auto**. As a result, those devices may not connect properly to your mini-GBIC port; you will not get a link. Because of these default configuration and full-duplex considerations, for best operation, you should make sure that the devices connected to the mini-GBIC ports are also configured to **Auto**. *At a minimum, make sure the configurations match.*

**Gigabit-LH mini-GBIC Support.** The Gigabit-LH mini-GBIC (J4860A), which is supported on the HP Procurve 9300 Routing Switches, is not supported under the E.05.xx or earlier operating system version for any of your HP Procurve Series 5300XL Switches. Contact your HP representative or check the HP Procurve web site for availability of support for this mini-GBIC type.

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## Time Zone Issue

Starting with the E.05.xx version of the switch operating system software, the method of configuring the Time Zone for TimeP or SNTP configuration has been updated. Previous switch software, for all HP Procurve switches, used positive time offset values for time zones that are West of GMT and negative values for time zones that are East of GMT. The standards indicate that time zones West of GMT should be designated by negative offset values, and time zones East of GMT by positive values.

Software version E.05.xx updates this configuration method, but if you use to the same values for indicating time zones as you did for previous HP Procurve switches, the time will be set incorrectly on your Series 5300XL Switch. For example, for previous HP Procurve switches, the US Pacific time zone was configured by entering +480. With software version E.05.xx, the US Pacific time zone must now be configured by entering -480.

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