



# SilkWorm 4100 Power Supply Replacement Procedure

**Supporting Fabric OS v4.4.0**

**Supporting SilkWorm 4100**

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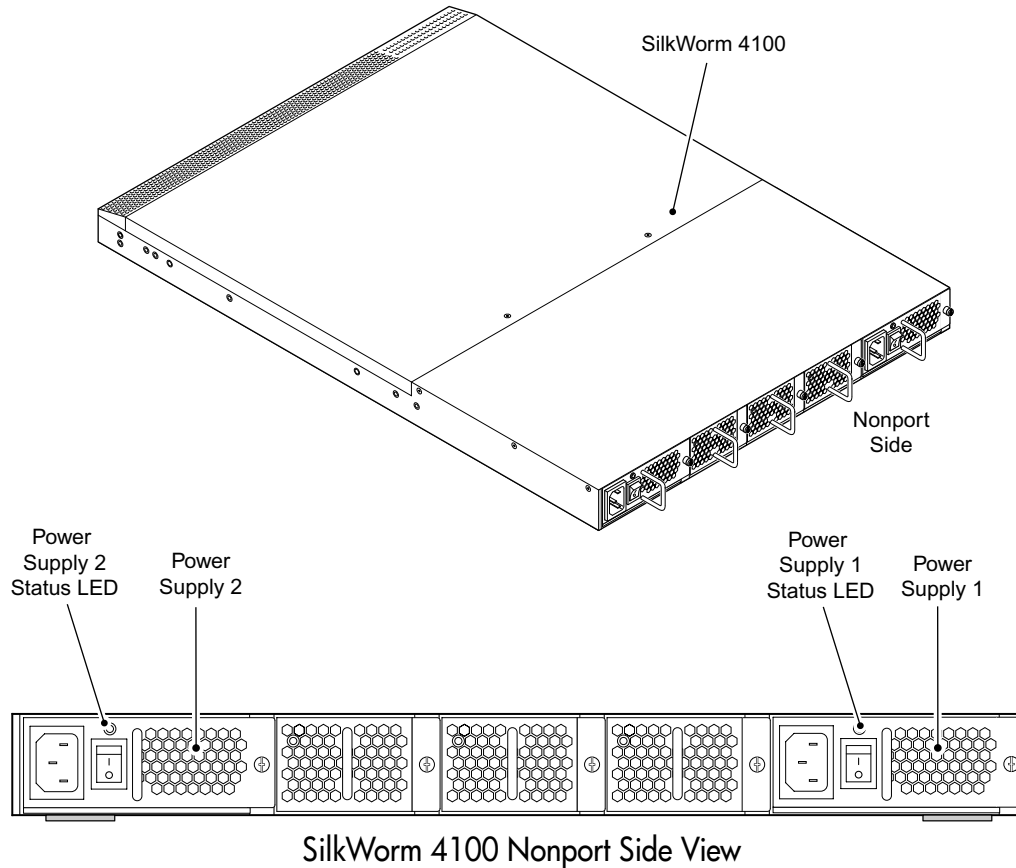
## **Document History**

The following table lists all published versions of the *SilkWorm 4100 Power Supply Replacement Procedure*.

<b>Document Title</b>	<b>Publication Number</b>	<b>Summary of Changes</b>	<b>Publication Date</b>
<i>SilkWorm 4100 Power Supply Replacement Procedure</i>	53-0000572-01	None; this is a new document.	July 2004

The SilkWorm 4100 has two power supplies, as displayed in [Figure 1](#). Fabric OS identifies the power supplies from left to right on the nonport side as PS2 (on the left) and PS1 (on the right).

**Figure 1** SilkWorm 4100 Power Supplies on the Nonport Side



**Caution**

Disassembling any part of the power supply voids the part warranty and regulatory certifications. There are no user-serviceable parts inside the power supply.

Because the cooling system relies on pressurized air, do not leave either of the power supply slots empty longer than two minutes while the switch is operating. If a power supply fails, leave it in the switch until it can be replaced.

Maintain both power supplies in operational condition to provide redundancy.

Table 1 describes the power supply status LED colors, behaviors, and actions required, if any.

**Table 1** Power Supply Status LED Behavior, Description, and Required Actions

LED Color and Behavior	Description	Action Required
No light	Power supply is not receiving power or is off.	Verify that the power supply is on and seated and the power cord is connected to a functioning power source.
Steady green	Power supply is operating normally.	No action required.
Steady amber (for more than five seconds)	Power supply fault for one of the following reasons: <ul style="list-style-type: none"> <li>power cable is disconnected</li> <li>power supply is off</li> <li>the power supply has failed</li> </ul>	Try the following: <ul style="list-style-type: none"> <li>check the power cable connection</li> <li>verify that the power supply is powered on</li> <li>replace the power supply</li> </ul>

## Time Required

Replacing a power supply in the SilkWorm 4100 switch should take less than two minutes.

## Items Required

You need the following items to replace a power supply in a SilkWorm 4100 switch:

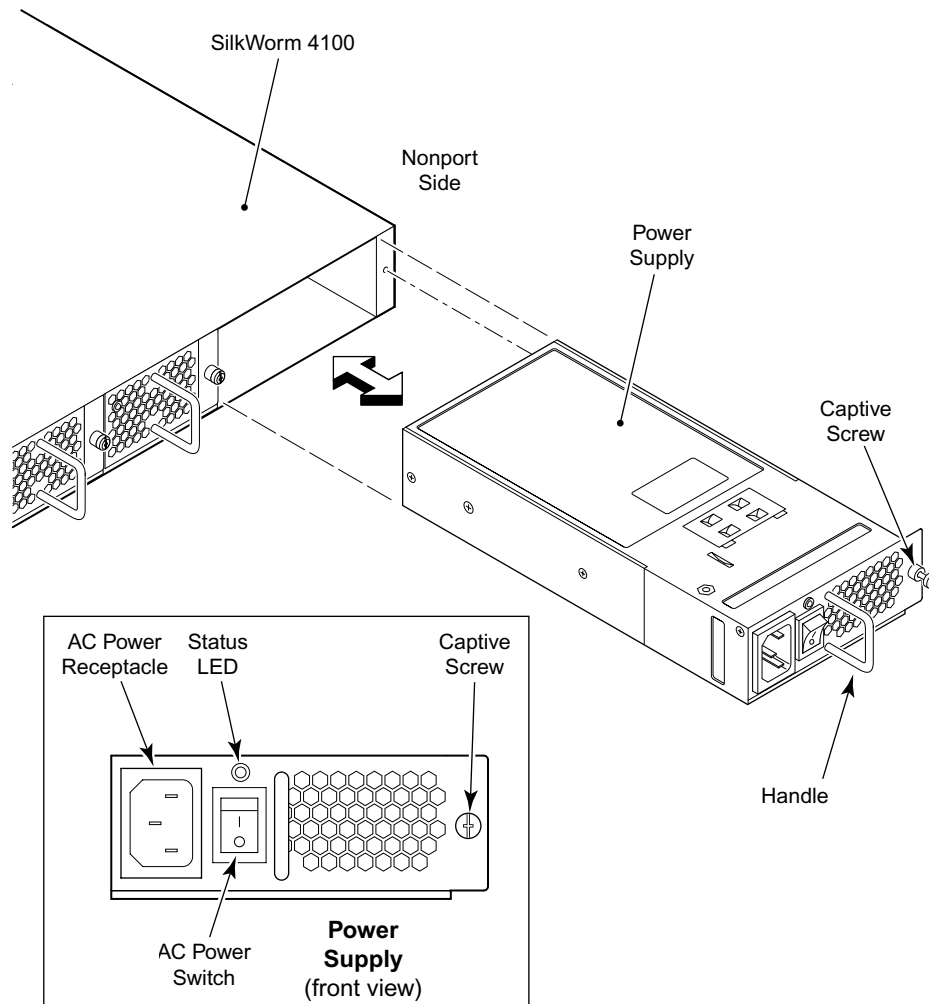
- Brocade SilkWorm 4100 switch
- New power supply
- Phillips-head screwdriver #1

## Replacing a SilkWorm 4100 Power Supply

To replace a power supply unit in a SilkWorm 4100 switch:

1. If the switch is to continue operating during the replacement, verify that the other power supply (the one not being replaced) has been powered on for at least four seconds and has a green LED.
2. If the power supply you are replacing is not already off, press the AC power switch to the circle symbol O to power it off. Refer to [Figure 2](#) for the location of the AC power switch.
3. Unplug the power cord from the power supply that you are replacing.
4. Unscrew the captive screw on the power supply that you are replacing using the Phillips-head screwdriver.
5. Remove the power supply from the chassis by pulling the handle on the power supply out, away from the chassis.
6. Install the new power supply in the chassis:
  - a. Orient the power supply as shown in [Figure 2](#), with the AC power switch on the left.

**Figure 2** Inserting the Power Supply in the SilkWorm 4100 Switch



- b. Gently push the power supply into the chassis until it is firmly in.



**Caution**

Do not force the installation. If the power supply does not slide in easily, ensure that it is correctly oriented before continuing.

- c. Secure the power supply to the chassis by screwing in the captive screw using the Phillips-head screwdriver.
7. Plug the power cord in to the power supply and press the AC power switch to the vertical line symbol | to turn it on.
  8. Verify that the LED on the new power supply displays a steady green light while the switch is operating (see [Table 1](#)). If the LED is not green, ensure that the power supply is firmly installed.
  9. Optionally, type the **psShow** command at the command line prompt to display power supply status. Fabric OS identifies the power supplies in a SilkWorm 4100 from left to right as PS2 and PS1 (see [Figure 1](#)).