Pocket Guide

Enable LAN bypass mode

Product: Sophos XG Firewall
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Enable LAN Bypass Mode

**Overview**

This guide describes how to enable LAN bypass mode (hardware bypass mode) in Sophos XG Firewall. In this mode, interface pairs are bridged, allowing uninterrupted traffic flow without scanning when there is power failure or hardware malfunction.

When power is restored, XG Firewall automatically resumes normal functionality. If there has been a hardware failure, contact Sophos Support.

When you enable bypass mode on 1U appliances, the green LED on the front panel will glow if power is on. In case of power failure, the green LED won’t glow, but traffic will pass through the LAN bypass ports. 2U appliances do not have an LED.

**Prerequisites**

- You must have read-write permissions on the SFOS command-line interface for the relevant features.
- You must have Sophos XG Models 2xx and above (example: XG 210). For more details, refer to the data sheet.
- For 2U appliances, you must have fleXi port modules with LAN bypass functionality.
- For 1U appliances, onboard and fleXi port modules can have LAN bypass functionality.
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Configuration

Configure bridge mode

- Go to Configure > Network > Add interface > Add bridge.

- Enter a Name.
- Select to Enable routing on this bridge pair.
- Under Member interfaces, select the following:
  - Interface: Port1     Zone: LAN
  - Interface: Port2     Zone: WAN
- Enter the IPv4/Netmask and Gateway details.
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Click Save.

In the alert, click Add bridge.

Connect the LAN cable to Port1 and WAN cable to Port2.
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Create firewall rule

- Go to Protect > Firewall > Add firewall rule > User/Network rule.

- Enter a Rule name.
- Set Source zones to LAN and Destination zones to WAN.
- Clear to disable Match known users.
- Select Rewrite source address (Masquerading) and set Use outbound address to MASQ.
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Click Save.
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- Go to **admin > Console** in the upper-right corner.

- Type 4 to select **Device console**.

- Execute the following command to view LAN bypass status.
  ```
  console> show lanbypass
  console> show lanbypass off
  ```

- Execute the following command to enable or disable bypass.
  ```
  console> set lanbypass <on/off>
  ```

**Note:** By default, LAN bypass is disabled in XG Firewall.
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When you execute the CLI command to turn on LAN bypass, it is enabled on all modules. Example:

- On 1U appliances, it will be enabled on onboard and external ports configured for LAN bypass.
- On 2U appliances like XG750, if you connect the 7 fleXi port modules (14 LAN bypass pairs), it will be enabled on all 14 pairs.
**Result**
You have enabled LAN bypass mode in XG Firewall.
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