

LOGZILLA DOCUMENTATION

Cisco IOS Configuration

Configure Cisco IOS and IOS-XE devices to send syslog to LogZilla with correct timestamping, buffered logging, NTP sources, and loopback source-interface

Receiving Data in LogZilla · Generated May 3, 2026 · logzilla.ai/docs/receiving-data/cisco-ios-configuration

Cisco IOS configuration

Minimal, safe Cisco IOS/IOS-XE configuration for sending syslog to LogZilla.

For default listener ports and how to change them, see [Network Communications](https://www.logzilla.ai/docs/administration/network-communications) (<https://www.logzilla.ai/docs/administration/network-communications>). For an overview of syslog formats and transports, see [Syslog Basics](https://www.logzilla.ai/docs/administration/syslog-basics) (<https://www.logzilla.ai/docs/administration/syslog-basics>). For troubleshooting, see [Syslog Troubleshooting](https://www.logzilla.ai/docs/administration/syslog-troubleshooting) (<https://www.logzilla.ai/docs/administration/syslog-troubleshooting>).

Event timestamping in LogZilla

For syslog inputs, LogZilla stores the event time as the server receive time. The syslog-ng ingestion template sets the timestamp, which avoids issues from devices with incorrect clocks.

Minimal IOS configuration

```
service timestamps log datetime localtime show-timezone
service timestamps debug datetime localtime show-timezone
logging source-interface Loopback0
logging buffered 65536
logging trap informational
logging host <LOGZILLA_IP>
ntp server <NTP_IP_1>
ntp server <NTP_IP_2>
```

Timestamps

- Use `service timestamps log datetime localtime show-timezone` and `service timestamps debug datetime localtime show-timezone` to include date/time and a timezone label in messages.
- Avoid uptime timestamping; include actual date/time for auditability.

Logging

- `logging source-interface <IFACE>` ensures a stable source IP/hostname (use a Loopback or management interface) so events attribute consistently.
- `logging buffered 65536` configures a local buffer. This does not affect sending to remote receivers.
- `logging host <LOGZILLA_IP>` sets the receiver. Devices commonly support multiple destinations; configure conservatively.
- `logging trap informational` (severity 0-6) is recommended for normal operation. Use 0-7 only for device-local troubleshooting.