

System Log Settings on ESW2-550X Switch

Objective

A system log is a set of messages that describes system events. Each system event has different severity levels. The logs can be saved locally on the RAM, flash memory of the device.

Note: Refer the article *Remote Log Server Configuration* to save the logs remotely.

This article explains how to save the logs locally on the ESW2-550X stackable managed switch.

Applicable Devices

- ESW2-550X
- ESW2-550X-DC

Software Version

- v1.2.9.44

System Log Settings

Step 1. Log in to the switch configuration utility and choose **Administration > System Log > Log Settings**. The *Log Settings* page opens:

Log Settings

Logging: Enable

Syslog Aggregator: Enable

Max. Aggregation Time: sec (Range: 15 - 3600, Default: 300)

RAM Memory Logging		Flash Memory Logging	
Emergency:	<input checked="" type="checkbox"/>	Emergency:	<input checked="" type="checkbox"/>
Alert:	<input checked="" type="checkbox"/>	Alert:	<input checked="" type="checkbox"/>
Critical:	<input checked="" type="checkbox"/>	Critical:	<input checked="" type="checkbox"/>
Error:	<input checked="" type="checkbox"/>	Error:	<input checked="" type="checkbox"/>
Warning:	<input checked="" type="checkbox"/>	Warning:	<input checked="" type="checkbox"/>
Notice:	<input checked="" type="checkbox"/>	Notice:	<input type="checkbox"/>
Informational:	<input checked="" type="checkbox"/>	Informational:	<input type="checkbox"/>
Debug:	<input checked="" type="checkbox"/>	Debug:	<input type="checkbox"/>

Step 2. Check the **Enable** check box in the Logging field to enable message logging.

Step 3. The Syslog Aggregator option is used if identical and contiguous syslog messages and the trap messages are to be aggregated over a period of time and to be sent as a single message. Check the **Enable** check box in the Syslog Aggregator field to enable the feature.

Note: If Syslog Aggregator is enabled, proceed with Step 4, else skip Step 5.

Step 4. Enter the time interval that the syslog messages and traps are aggregated in the Max Aggregation Time field.

Logs can be saved in the following memory location on the system.

- RAM — It is a volatile memory and is very fast.
- Flash — It is a non-volatile memory and is slow when compared to RAM.

Step 5. Check the desired severity level event check boxes under the RAM and Flash Memory Logging area. A log is created on the RAM and Flash that contains messages from the checked events. The following are the event severity levels which are listed from the highest severity to the lowest severity.

- Emergency — System is not usable. Example: At a panic situation where the multiple servers are down, a log with emergency severity level helps to notify the technical person immediately.
- Alert — Action is needed. Example: Loss of primary ISP connection.
- Critical — System is in a critical condition. Example: Loss of backup ISP connection.
- Error — System is in error condition. Example: Non - urgent failures where the failures need to be addressed by the developer or administrators.
- Warning — A system warning has occurred. Example: File system is 95% full.
- Notice — System is functioning properly, but a system notice has occurred. Example: Events that occur unusually.
- Informational — Device Information. Example: Information for measuring throughput.
- Debug — Provides detailed information about an event. Example: Information for the events where the issue occurred at.

Step 6. Click **Apply**.