



Configuring Syslog

This document describes the Syslog feature and configuration steps to implement Syslog.

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Prerequisites for Configuring Syslog

- NID must have an IP address.

Information About Syslog

Syslog is a method to collect messages from devices to a server running a syslog daemon. A syslog service simply accepts messages, and stores them in files or prints them according to a simple configuration file. This form of logging is the best available for Cisco devices because it can provide protected long-term storage for logs. This is useful both in routine troubleshooting and in incident handling.

Enabling Syslog

DETAILED STEPS

	Command or Action	Purpose
Step 1	<code>sysLog</code> Example: Switch# <code>sysLog</code>	Enters the sysLog mode.

	Command or Action	Purpose
Step 2	<p>setSyslogProperties sysLogConf {valid logServer {valid host {hostname ipv4address}} level {info error warning}} {enable disable}</p> <p>Example:</p> <pre>Switch(sysLog)# setSyslogProperties sysLogConf valid enable Switch(sysLog)# setSyslogProperties sysLogConf level info Switch(sysLog)# setSyslogProperties sysLogConf logServer valid enable Switch(sysLog)# setSyslogProperties sysLogConf logServer host ipv4address 10.78.101.221</pre>	<p>Configures syslog properties.</p> <ul style="list-style-type: none"> • sysLogConf—Sets syslog properties. • valid—Enables or disables logging. • logServer—Specifies the logging server. • valid—Enables or disables logging server. • host—Specifies log server name or hostname. • hostname—Specifies domain name of the logging server. • ipv4address—Specifies IPv4 address of the logging server. • level—Specifies the log level. • info— Specifies the level information. • error— Specifies the level error. • warning— Specifies the level warning. • enable— Enables configuration of syslog properties. • disable— Disables configuration of syslog properties.
Step 3	<p>setSyslogProperties review</p> <p>Example:</p> <pre>Switch(sysLog)# setSyslogProperties review</pre>	Displays the configuration.
Step 4	<p>setSyslogProperties commit</p> <p>Example:</p> <pre>Switch(sysLog)# setSyslogProperties commit</pre>	Sends the configuration to NID.
Step 5	<p>exit</p> <p>Example:</p> <pre>Switch(sysLog)# exit</pre>	Exits the syslog mode.

Configuration Example

The example shows how to enable syslog:

```
Switch(sysLog)# setSyslogProperties sysLogConf valid enable
Switch(sysLog)# setSyslogProperties sysLogConf level info
Switch(sysLog)# setSyslogProperties sysLogConf logServer valid enable
Switch(sysLog)# setSyslogProperties sysLogConf logServer host ipv4address 10.78.101.221

Switch(sysLog)# setSyslogProperties review
```

```
Switch(sysLog)# setSyslogProperties commit
Switch(sysLog)# exit
```

Clearing Syslog

DETAILED STEPS

	Command or Action	Purpose
Step 1	sysLog Example: Switch# sysLog	Enters the sysLog mode.
Step 2	clearSysLog clearLogLevelConf {error info warning} {enable disable} Example: Switch(sysLog)# clearSysLog clearLogLevelConf info enable	Clears system log information. <ul style="list-style-type: none"> • clearLogLevelConf—Clears log information. • error—Specifies level error. • info—Specifies level information. • warning—Specifies level warning. • enable—Enables the clearing of log information. • disable—Disables the clearing of log information.
Step 3	clearSysLog review Example: Switch(sysLog)# clearSysLog review	Displays the configuration.
Step 4	clearSysLog commit Example: Switch(sysLog)# clearSysLog commit	Sends the configuration to NID.
Step 5	clearSysLog clearLogLevelConf {error info warning} {enable disable} Example: Switch(sysLog)# clearSysLog clearLogLevelConf error enable	Clears system log level errors. <ul style="list-style-type: none"> • clearLogLevelConf—Clears log information. • error—Specifies level error. • info—Specifies level information. • warning—Specifies level warning. • enable—Enables the clearing of log information. • disable—Disables the clearing of log information.
Step 6	clearSysLog review Example: Switch(sysLog)# clearSysLog review	Displays the configuration.

	Command or Action	Purpose
Step 7	clearSysLog commit Example: Switch(sysLog)# clearSysLog commit	Sends the configuration to NID.
Step 8	clearSysLog clearLogLevelConf {error info warning} {enable disable} Example: Switch(sysLog)# clearSysLog clearLogLevelConf warning enable	Clears system log level warnings. <ul style="list-style-type: none"> • clearLogLevelConf—Clears log information. • error—Specifies level error. • info—Specifies level information. • warning—Specifies level warning. • enable—Enables the clearing of log information. • disable—Disables the clearing of log information.
Step 9	clearSysLog review Example: Switch(sysLog)# clearSysLog review	Displays the configuration.
Step 10	clearSysLog commit Example: Switch(sysLog)# clearSysLog commit	Sends the configuration to NID.
Step 11	exit Example: Switch(sysLog)# exit	Exits the syslog mode.

Configuration Example

The example shows how to clear syslog:

```
Switch(sysLog)# clearSysLog clearLogLevelConf info
Switch(sysLog)# clearSysLog review
Switch(sysLog)# clearSysLog commit
Switch(sysLog)# clearSysLog clearLogLevelConf error
Switch(sysLog)# clearSysLog review
Switch(sysLog)# clearSysLog commit
Switch(sysLog)# clearSysLog clearLogLevelConf warning
Switch(sysLog)# clearSysLog review
Switch(sysLog)# clearSysLog commit
Switch(sysLog)# exit
```

Verifying Syslog

Use the following command to verify the syslog status on the Cisco ME 1200 NID.

- **showLogLevelConf**

This command displays the syslog configuration status on the NID. The following is a sample output from the command:

```
Switch(sysLog)# showSysLog showLogLevelConf  
Switch(sysLog)# showSysLog review
```

```
Commands in queue:  
showSysLog showLogLevelConf
```

```
Switch(sysLog)# showSysLog commit
```

```
Clearing Socket 0 Clearing Socket 0  
ShowSysLog_Output.showLogLevelResponse.hostMode = true  
ShowSysLog_Output.showLogLevelResponse.hostAddress = '10.78.101.221'  
ShowSysLog_Output.showLogLevelResponse.logLevel = 'info'  
ShowSysLog_Output.showLogLevelResponse.noOfLogEntries.InfoCounter =  
40  
ShowSysLog_Output.showLogLevelResponse.noOfLogEntries.warningCounter  
= 0  
ShowSysLog_Output.showLogLevelResponse.noOfLogEntries.errorCounter =  
0  
  
ShowSysLog Commit Success!!!
```

