

How To Setup Syslog in an ENVIROMUX Enterprise Environment Monitoring System

Follow these steps to prepare the ENVIROMUX to send Syslog messages to ENVIROMUX users. This procedure applies to all ENVIROMUX Enterprise Environment Monitoring Systems and Server Environment Monitoring Systems. This instruction assumes you have Syslog software configured to receive and record messages sent by the ENVIROMUX and know how to use it.

To configure the ENVIROMUX to send alerts via Syslog:

1. Configure each sensor that will cause a message to be sent via Syslog to be included in one or more groups.

Group Settings	
Group 1	<input checked="" type="checkbox"/> Sensor sends notifications for Group 1
Group 2	<input type="checkbox"/> Sensor sends notifications for Group 2
Group 3	<input type="checkbox"/> Sensor sends notifications for Group 3
Group 4	<input type="checkbox"/> Sensor sends notifications for Group 4
Group 5	<input type="checkbox"/> Sensor sends notifications for Group 5
Group 6	<input type="checkbox"/> Sensor sends notifications for Group 6
Group 7	<input type="checkbox"/> Sensor sends notifications for Group 7
Group 8	<input type="checkbox"/> Sensor sends notifications for Group 8

Figure 1- Configure which group(s) a sensor will belong to

2. Apply a checkmark in "Enable Syslog Alerts" under Non-Critical Alert Settings and/or Critical Alert Settings on the configuration page for each sensor that will cause Syslog Alerts.

Critical Alert Settings	
Disable Alerts	<input type="checkbox"/> Disable alert notifications for this sensor
Alert Delay	30 Sec - Duration the sensor must be out of thresholds before alert is generated
Notify Again Time	30 Sec - Time after which alert notifications will be sent again
Notify on return to normal	<input checked="" type="checkbox"/> Send a notification when this sensor returns to normal status
Auto acknowledge	<input type="checkbox"/> Automatically acknowledge alert when sensor returns to normal status
Enable Syslog Alerts	<input checked="" type="checkbox"/> Send alerts for this sensor via syslog
Enable SNMP Traps	<input type="checkbox"/> Send alerts for this sensor via SNMP traps
Enable E-mail Alerts	<input type="checkbox"/> Send alerts for this sensor via e-mail
E-mail Subject	Critical Alert Subject of e-mails sent for alerts
Select IP Camera	tes2 - Selecte IP camera for image capture on alert
Attach IP camera capture to e-mail	<input type="checkbox"/> Attach captured image from selected IP camera to alert e-mail
Save image to USB	<input type="checkbox"/> Save captured image from selected IP camera to USB Flash
Enable SMS Alerts	<input type="checkbox"/> Send alerts for this sensor via SMS
Enable Siren	<input type="checkbox"/> Turn on the siren when this sensor goes to alert
Enable Beacon	<input type="checkbox"/> Turn on the beacon when this sensor goes to alert
Associated Output Relay	None - Name of the output relay that can be controlled by this sensor
Output Relay status on alert	Inactive - Status of the output relay when going to alert
Output Relay status on return from alert	Inactive - Status of the output relay when returning from alert

Figure 2- Enable Syslog alerts for the sensor

3. Under User configuration, place a checkmark in the group number(s) that the sensors belong to. (These are the groups that you checked off in step 1.)
4. Place a checkmark in the box for Syslog Alerts under Contact Settings so that the user can receive Syslog messages.
5. Enter a valid IP address where the Syslog messages for that user are to be sent.

The screenshot displays two sections of a configuration interface:

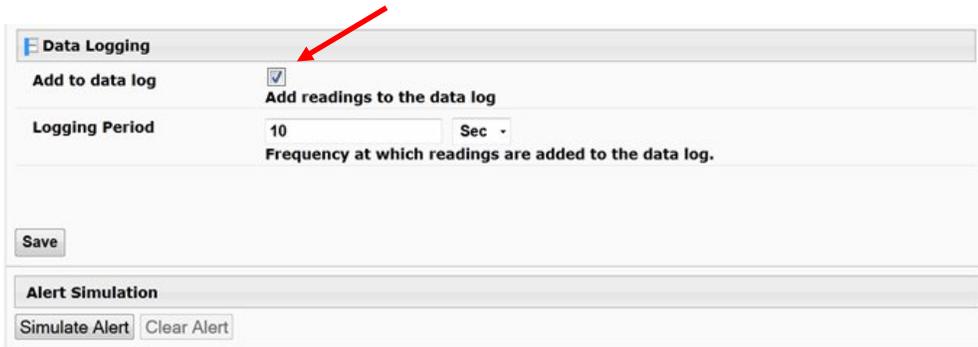
- Group Settings:** A list of eight groups (Group 1 to Group 8). Each group has a checkbox and the text "User receives notifications for Group X". The checkbox for Group 1 is checked, indicated by a red arrow.
- Contact Settings:** A list of alert methods with checkboxes and text:
 - E-mail Alerts:** User receives alerts via e-mail
 - Brief E-mail:** User receives brief e-mail
 - E-mail Address:** E-mail address for the user
 - Syslog Alerts:** User receives alerts via syslog (indicated by a red arrow)
 - SNMP Traps:** User receives alerts via SNMP traps
 - Syslog/SNMP IP Address:** IP address where syslog messages/SNMP traps are sent for this user (indicated by a red arrow and a text box "Enter a valid IP address")
 - SMS Alerts:** User receives alerts via SMS
 - SMS Number:** Phone number where SMS messages are sent for this user

Figure 3- Configure user to receive alerts via Syslog

With sensors properly configured to send Syslog messages to specified groups, and Users enabled to receive messages from the same specified groups at a valid IP address, Syslog messages for sensor alerts will now be received.

To additionally configure the ENVIROMUX to send sensor data via Syslog:

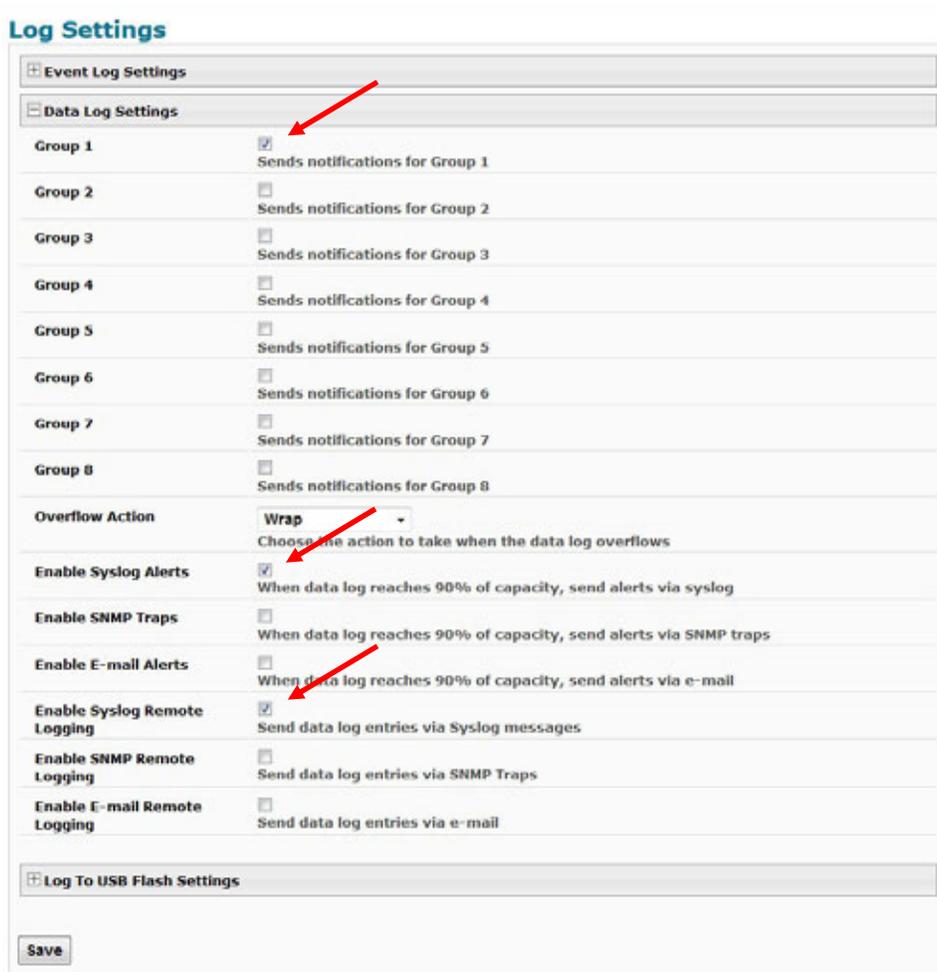
1. Under Sensor Configuration, Data Logging, place a checkmark under “Add to data log” to have sensor readings added to the log. Set the time period for the frequency at which readings will be added to the data log.



Data Logging	
Add to data log	<input checked="" type="checkbox"/> Add readings to the data log
Logging Period	10 Sec Frequency at which readings are added to the data log.
<input type="button" value="Save"/>	
Alert Simulation	
<input type="button" value="Simulate Alert"/> <input type="button" value="Clear Alert"/>	

Figure 4- Configure sensor readings to be added to data log

2. Under Log, Log Settings, place a checkmark under “Enable Syslog Remote Logging”. This will then send all data logs via Syslog message. To receive alerts regarding data logs, place a checkmark under “Enable Syslog Alerts”. Make sure the group numbers are checked that the User to receive Syslog messages from also has checked.



Log Settings	
Event Log Settings	
Data Log Settings	
Group 1	<input checked="" type="checkbox"/> Sends notifications for Group 1
Group 2	<input type="checkbox"/> Sends notifications for Group 2
Group 3	<input type="checkbox"/> Sends notifications for Group 3
Group 4	<input type="checkbox"/> Sends notifications for Group 4
Group 5	<input type="checkbox"/> Sends notifications for Group 5
Group 6	<input type="checkbox"/> Sends notifications for Group 6
Group 7	<input type="checkbox"/> Sends notifications for Group 7
Group 8	<input type="checkbox"/> Sends notifications for Group 8
Overflow Action	Wrap Choose the action to take when the data log overflows
Enable Syslog Alerts	<input checked="" type="checkbox"/> When data log reaches 90% of capacity, send alerts via syslog
Enable SNMP Traps	<input type="checkbox"/> When data log reaches 90% of capacity, send alerts via SNMP traps
Enable E-mail Alerts	<input type="checkbox"/> When data log reaches 90% of capacity, send alerts via e-mail
Enable Syslog Remote Logging	<input checked="" type="checkbox"/> Send data log entries via Syslog messages
Enable SNMP Remote Logging	<input type="checkbox"/> Send data log entries via SNMP Traps
Enable E-mail Remote Logging	<input type="checkbox"/> Send data log entries via e-mail
Log To USB Flash Settings	
<input type="button" value="Save"/>	

Figure 5- Configure data logs to send Syslog messages