Nagios XI   How To Monitor A Websensor EM08

Purpose

This document describes how to monitor environmental conditions (temperature, relative humidity, and light level) with Nagios XI and a Websensor EM08 from eSensors. Using Nagios XI to monitor a Websensor EM08 will notify you of environmental element changes which may impact your IT infrastructure.

Target Audience

This document is intended for use by Nagios XI administrators and IT staff who wish to deploy environmental monitoring in their infrastructure.
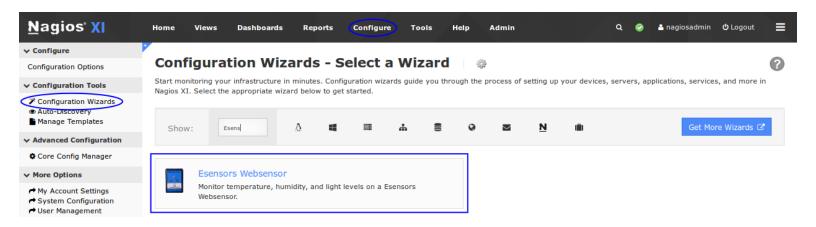
The Websensor EM08

The Websensor EM08 is a low-cost, network-connected device available from eSensors. For more information on the Websensor EM08, or to purchase a unit, visit:

http://www.eesensors.com/LowCostWebsensor.html

Running the Wizard

To begin using the Esensors Websensor wizard navigate via the top menu bar to **Configure** > **Run a configuration wizard** and select the **Esensors Websensor** wizard. In the following screenshot you can see how the search field allows you to quickly find a wizard.
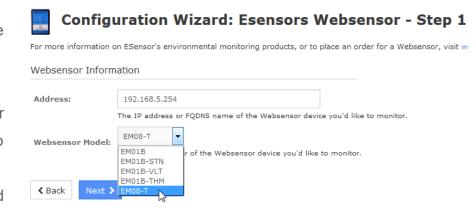
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On step 1 enter the **Address** of your Websensor unit and select the **EM-08T** as the **Websensor Model**.

This document assumes that your Websensor has already been configured for connection to your network with either a manually-assigned static IP address or an automatically assigned address from a DHCP server. Read the documentation that came with your Websensor unit for initial network configuration instructions.

Click **Next** to continue.

Step 2 of the wizard will allow you to specify which metrics you'd like to monitor, along with warning and critical thresholds for each metric.

Note that the **Temperature** must be specified in Fahrenheit, relative **Humidity** is specified in percent, and **Illumination** is measured in lux. A guide chart of common lux values can be found on Wikipedia at: http://en.wikipedia.org/wiki/Lux.

Click Next and then complete the wizard by choosing the required options in Step 3 – Step 5.

Configuration Wizard: Esensors Websensor - Step 1

For more information on ESensor's environmental monitoring products, or to place an order for a Websensor, visit w

Websensor Information

Address: 192.168.5.254

The IP address or FQDNS name of the Websensor device you'd like to monitor.

Websensor Model: EM08-T
EM01B
EM01B-STN
EM01B-VLT
EM01B-THM
EM08-T

r of the Websensor device you'd like to monitor.

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Configuration Wizard: Esensors Websensor - Step 2

Websensor Details

Websensor Model: EM08-T

Address: 192.168.5.254

Host Name: 192.168.5.254

The name you'd like to have associated with this Websensor.

Device Metrics

Specify which metrics you'd like to monitor on the Websensor.

☑ **Ping**
Monitors the Websensor with an ICMP ping. Useful for watching network latency and general uptime.

☑ **Temperature**
Monitors the temperature readings from the device.
⚠ Below: 60 Above: 85 Deg. F
🛇 Below: 50 Above: 95 Deg. F

☑ **Humidity**
Monitors the humidity readings from the device.
⚠ Below: 15 Above: 80 %
🛇 Below: 10 Above: 90 %

☑ **Illumination**
Monitors the illumination (light level) readings from the device.
⚠ Below: Above: 70
🛇 Below: Above: 80

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To finish up, click on **Finish** in the final step of the wizard.

This will create the new hosts and services and begin monitoring.

Once the wizard applies the configuration, click the **View status details for *your Websensor*** link to see the new host and services that were created.

Nagios XI will begin monitoring your EM08 sensor and display the current status of monitored metrics in the Nagios XI interface like the following screenshot:

Host			Service		Status		Duration		Attempt		Last Check		Status Information	
192.168.5.254			Humidity		Ok		46s		1/5		2015-09-08 14:41:09		OK Humidity: 37.1%	
			Illumination		Ok		11s		1/5		2015-09-08 14:41:44		OK Illumination: 0.4	
			Ping		Ok		1m 40s		1/5		2015-09-08 14:40:15		OK - 192.168.5.254: rta 1.454ms, lost 0%	
			Temperature		Warning		5s		2/5		2015-09-08 14:41:50		WARNING (60< or >85) Temperature: 85.7 F	

Finishing Up

This completes the documentation on how to monitor a Websensor EM08 in Nagios XI.

If you have additional questions or other support related questions, please visit us at our Nagios Support Forums:

https://support.nagios.com/forum

The Nagios Support Knowledgebase is also a great support resource:

https://support.nagios.com/kb

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