Poseidon devices are units for monitoring of environment and transfer of messages and critical values through the network. The power, sensors and the network are all connected to them. The sensors' values can be viewed on the web, ro through network protocols (SNMP, XML, etc.). Poseidon increases the security of your devices and information by monitoring of the environment, where your technology is stored.

Wario devices provide solutions suitable for all environments, and even the most simple device (Wario Expander) defaultly offers, beside Ethernet connection and connection of standard sensors (Temperature, humidity), also switch (binary) sensors and what's unusual, it is equipped with outputs for control of devices. If it's necessary to monitor a larger area, with requirements for conditional device control, you should choose the Wario control unit as the essential element. The control unit also provides an independent SMS notification (through internal GSM module), which increases versatility of the device.

Poseidon

<u>Wario</u>

Poseidon

With use of the Poseidon device, you can measure and evaluate for example:

- temperature (some models support up to 10 T/H sensors and up to 1km away)
- humidity of the room or in the switch
- flooding or water presence
- main power outage
- the presence of smoke (with an integrated siren)
- the presence of gas and flammable substances
- opening of doors
- movement in the room
- flowrate of air in the blowers
- measuring/check of voltage (in the range between 0-15V and 0-25mA) etc.





Linking Poseidon with Customer Monitor

Launch "Monitorconsole" by right-clicking the TRAY icon, select the item "Scheduler - Monitor console" and go to Watches. Press the button for adding a Watch, and enter the watch's name.

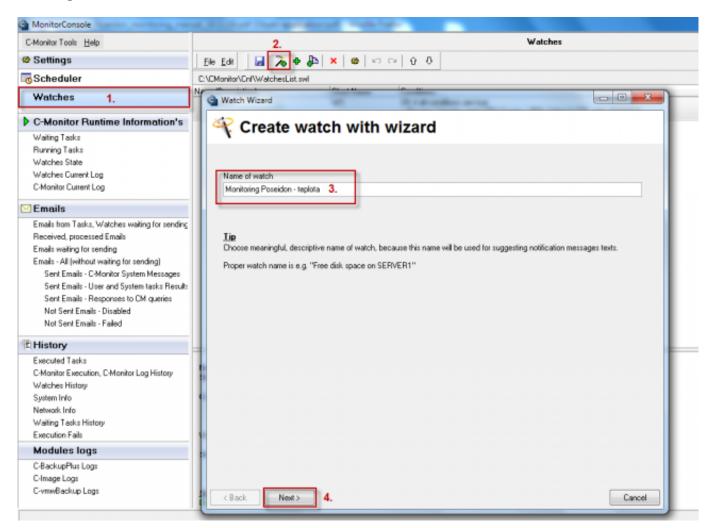


Image: Pridaniw watchu na sledovanie prostredia pomocou zariadenia Poseidon

In the watch's conditions, select Enviroment Monitoring (snmp).

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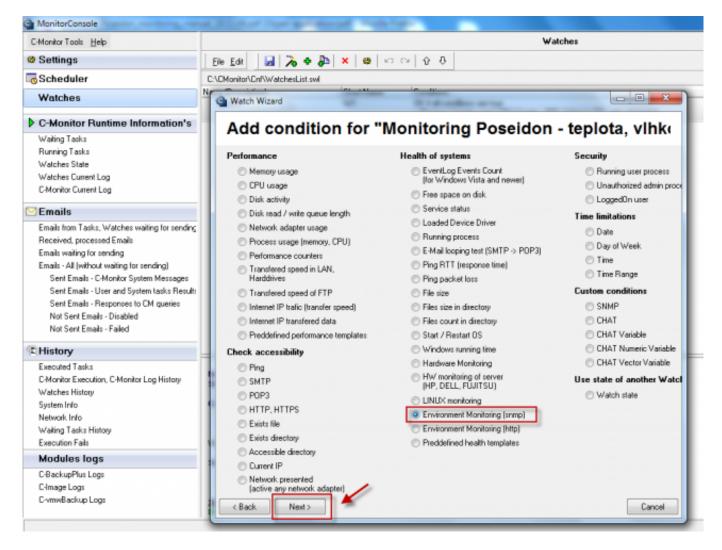


Image: Podmienka watchu Enviroment Monitoring (snmp).

Fill the item SNMP Agent, click on the button (binoculars) and Customer Monitor will automatically list out all sensors and contact sensors of the Poseidon device.

After setting Operator to "<,>", use the number in the item "Value/Range". (e.g.: 36.7)
 After setting Operator to "in,out", use the range in the item "Value-Range". (e.g.: 35.1; 36.9)

The item Hysteresis prevents oscillating (often state changes) near the limit value. The condition's state is changed, when the limit value is exceeded even with added/subtracted Hysteresis value.
 The item resolution defines the rounding unit. The measured number is rounded to that unit (e.g. Resolution=0.5; 26.6 -> 26.5, 31.2 -> 31). We recommend to have it set to prevent sending of useless amount of values to the CM Server.

5. The item Retries states how many times should it try to connect after unsuccessful connection to the device..

6. The item Timeout means how long should it wait for response while being connected.

7. The items Test Period and Unit define the period for the condition's testing

8. After setting all items and saving the settings to WatchList, C-Monitor begins to collect information from the Poseidon device and send it to CM server.



Monitoring of environment (T, H, Watt, triggers ..)

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MonitorConsole	A REPORT OF A REPORT OF A REPORT OF	
C-Monitor Tools Help	Wate	hes
© Settings	Elle Edit 📓 🚴 🗣 🕼 🗙 😂 🗠 🖘 😳 🚯	
o Scheduler	C: \CMonitor\Dn/\W/atchesList.swl	
Watches	Watch Wizard	
C-Monitor Runtime Information's Waiting Tasks	Environment Monitoring (snmp)	
Wating Facks Running Tasks Watches State Watches Current Log C-Monitor Current Log	SNMP Agent (Host, IP) 172.16.75.30	Poseidon SNMP Comunity public
🗹 Emails	Device Model, Sensor	
Emails from Tasks, Watches waiking for sending Received, processed Emails Emails - All (without waiking for sending) Sent Emails - C-Monitor System Messages Sent Emails - C-Monitor System Tasks Result Sent Emails - Responses to CM queries Not Sent Emails - Disabled Not Sent Emails - Failed	Name of the sensor Sensor 240 Operator Value / Range (e.g. 15:25.5) < → 25	(Hysteresis) [Resolution]
E History Executed Tasks C-Monitor Execution, C-Monitor Log History Watches History	If value changes more than 3 Aways Never Never	enú á
System Info Network Info Waiting Tasks History Execution Fails	Assess the state of watch	
Modules logs		
C-BackupPlus Logs C-Image Logs C-vmwBackup Logs	A Back Next >	Cano

Image: Nastavenie senzorov a podmienok pre vyhodnocovanie údajov zo senzorov

You will then finish the wizard and add actions, which should be executed in case FAILED state will be evaluated, when it lasts and for OK state. After the wizard is finished, the watch will be added into the list. When it's added, press the save button.

C-Monitor Tools Help	Watches
Settings	Ele Edit 🛃 💫 🗣 🐉 🗙 😆 🗠 🗠 😳 3
o Scheduler	C:\CMonitor\Dnf\WatchesList.swl
Watches	Name (Description) Short Name Conditions Monitoring Poseidon - teplota W2 OK if all conditions are true > Env. Mon. 172.16.75.30 : Sensor 240 < 25, check every 1min; Value to CM : min. change 3
C-Monitor Runtime Information'	> Environment in 2, reinstault, sense 246 (23), check every minit, value to CM - minit change 3
Waiting Tasks Running Tasks Watches State Watches Current Log C-Monitor Current Log	
🖂 Emails	Short Name: W2
Emails from Tasks, Watches waiting for sen: Received, processed Emails Emails waiting for sending	Conditions OK if all conditions are true > Env.Mon. 172.16.75.30 : Sensor 240 < 25, check every 1min; Value to CM : min. change 3
Emails - All (without waiting for sending) Sent Emails - C-Monitor System Message	Watch will be evaluated in each C-Monitor Tick State
Sent Emails - User and System tasks Res Sent Emails - Responses to DM queries Not Sent Emails - Disabled	OK - If all conditions are true FAIL - If at least one condition is false
Not Sent Emails - Failed	Notification of UNKNOWN state is DISABLED

Image: Výsledný watch pre sledovanie teploty

Wario

Using the Wario device, you can measure and evaluate for example:

- temperature
- humidity of the room or in the switch
- flooding or water presence and much more

High versatility of this control unit is proven by its usage in systems for control of intelligent houses. Find out more at : <u>http://www.wanet.cz/wario-system-komfortni-ovladani-domu/</u>[1]





Linking Wario with Customer Monitorom

Launch "Monitorconsole" by right-clicking the TRAY icon, select the item "Scheduler - Monitor console" and go to Watches. Press the button for adding a Watch, and enter the watch's name.

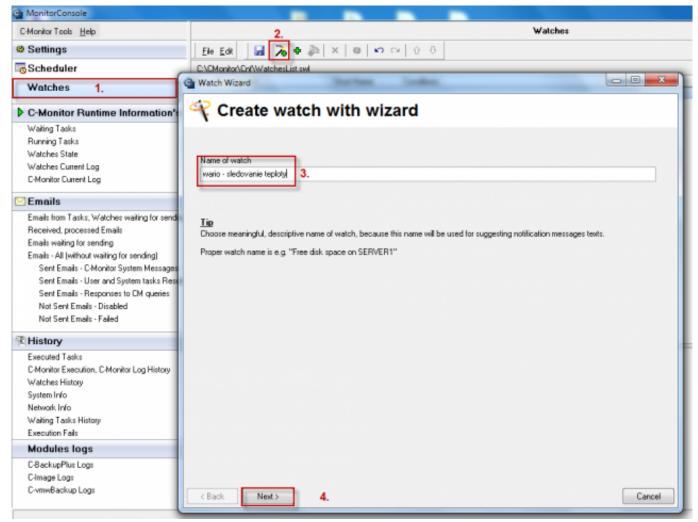


Image: Pridaniw watchu na sledovanie prostredia pomocou zariadenia Wario

Select Enviroment Monitoring (http) in the watch's conditions.



Monitoring of environment (T, H, Watt, triggers ..)

Published on Customer Monitor (https://customermonitor.co)

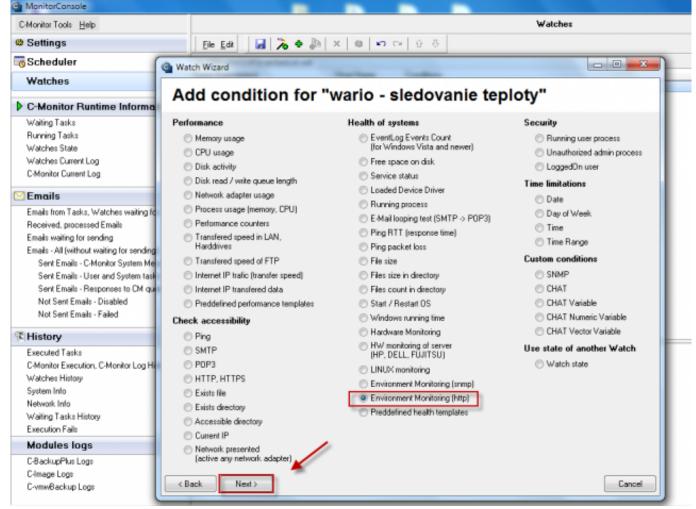


Image: Podmienka watchu Enviroment Monitoring (http).

Fill the item URL (host, IP), click on the button (binoculars) and Customer Monitor will automatically list out all sensors and contact sensors of the Poseidon device.

1. After setting Operator to "<,>", use the number in the item "Value/Range". (e.g.: 36.7)

2. After setting Operator to "in,out", use the range in the item "Value-Range". (e.g.: 35.1; 36.9)

The item Hysteresis prevents oscillating (often state changes) near the limit value. The condition's state is changed, when the limit value is exceeded even with added/subtracted Hysteresis value.
 The item resolution defines the rounding unit. The measured number is rounded to that unit (e.g. Resolution=0.5; 26.6 -> 26.5, 31.2 -> 31). We recommend to have it set to prevent sending of useless amount of values to the CM Server.

5. The item Retries states how many times should it try to connect after unsuccessful connection to the device.

6. The item Timeout means how long should it wait for response while being connected.

7. The items Test Period and Unit define the period for the condition's testing

8. After setting all items and saving the settings to WatchList, C-Monitor begins to collect information from the Wario device and send it to CM server.

Monitoring of environment (T, H, Watt, triggers ..) Published on Customer Monitor (https://customermonitor.co)

Watch Wizard

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IER MONITOR®

ring and management tool

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75.103				pre	hľad čidiel	
Model, Sensor		-			_ 0 x	
Select sensor on the "Wario	EW144, 0:50:	c2:af:50:2	28"			
Wario Bin. 1/0 : 1000	IN0	0				oluti
Wario Bin. 1/0 : 1001	IN1	0				
Wario Bin. 1/0 : 1002	IN2	0				
Wario Bin. I/O : 1003	IN3	0				
Wario Temperature [°C] : 1020	T261e100bd	24.1 °C	-			
Wario Humidity [%] : 1021	H261e100bd	56.3 %				
Wario Bin. I/O : 1004	OUT4	0	Vyberiete si	1		
Wario Bin. I/O : 1005	OUT5	0	niektoré z čidiel			
Wario Bin. I/O : 1006	OUT6	0				
Wario Bin. I/O : 1007	OUT7	0				
			×			

Image: Nastavenie senzorov a podmienok pre vyhodnocovanie údajov zo senzorov



Monitoring of environment (T, H, Watt, triggers ..)

Watch Wizard

Published on Customer Monitor (https://customermonitor.co) Environment Monitoring (http) WAR URL (Host, IP) 172.16.75.103 Zvolite si hodnoty, Device Model, Sensor ktoré sa majú Wario Temperature [°C] : 1020 **44** vyhodnocovať Name of the sensor T261e100bd Operator Value / Bange (e.g. 15:25.5) [Hysteresis] [Resolution] 25 Test Period Unit [Retries] [Timeout in sec] 1 min. * Value from this condition send to CM server Zvolite si hodnotu, o ktorú keď sa napr. If value changes more than 3 teplota zvýši nad povolenú hodnotu, Always bude vygenerovaná chybová hláška z Never CM servera Assess the state of watch Next > < Back Cancel

Image: Nastavenie senzorov a podmienok pre vyhodnocovanie údajov zo senzorov

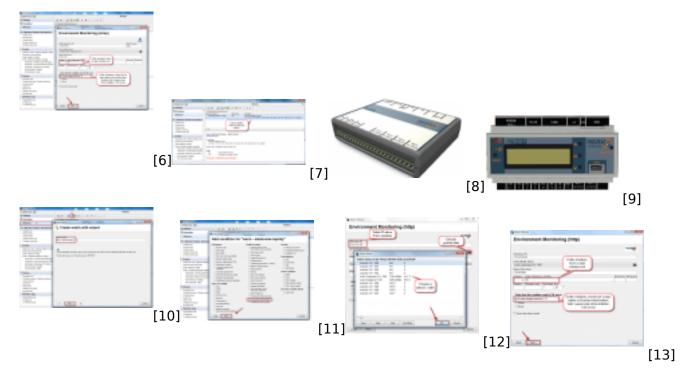
You will then finish the wizard and add actions, which should be executed in case FAILED state will be evaluated, when it lasts and for OK state. After the wizard is finished, the watch will be added into the list. When it's added, press the save button. Date:

03/03/2012Images:

[2] [3] [4]

[5]





Links

- [1] http://www.wanet.cz/wario-system-komfortni-ovladani-domu/
- [2] https://customermonitor.co/sites/default/files/poseidon.jpg
- [3] https://customermonitor.co/sites/default/files/poseidon1.png
- [4] https://customermonitor.co/sites/default/files/poseidon2.png
- [5] https://customermonitor.co/sites/default/files/poseidon3.png
- [6] https://customermonitor.co/sites/default/files/poseidon4.png
- [7] https://customermonitor.co/sites/default/files/poseidon5.png
- [8] https://customermonitor.co/sites/default/files/Wario_expander_1_transparent.png
- [9] https://customermonitor.co/sites/default/files/Wario_hlavna_jednotka.PNG
- [10] https://customermonitor.co/sites/default/files/wario1.png
- [11] https://customermonitor.co/sites/default/files/wario2.png
- [12] https://customermonitor.co/sites/default/files/wario4-3.png
- [13] https://customermonitor.co/sites/default/files/wario3_0.png