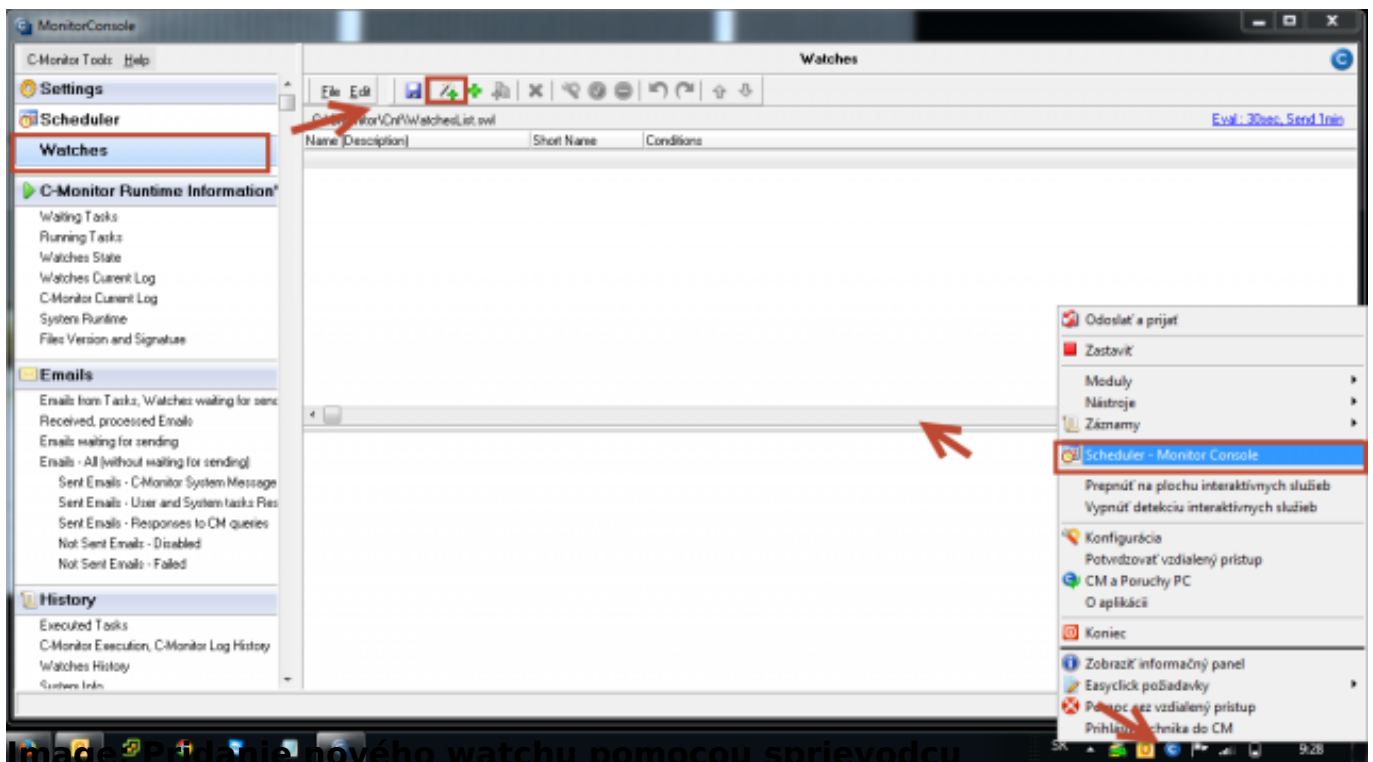


[Eaton/MGE UPS](#)

[UPS APC](#)

Customer Monitor provides an option to monitor and evaluate important parameters of backup sources, such as presence of input voltage, battery capacities/remaining time for running on the UPS device and other additional information. If an error occurs, you're instantly notified that your UPS is not in its optimal state. Therefore, thanks to this easily configured monitoring, you're always informed about a power outage on time, you're also able to secure change of flat batteries in the prophylaxis, preventing all unnecessary device dropouts .

Monitoring of UPS devices is configured through the wizard for creation of Watches.



Select type of the device, which you want to monitor, from the predefined templates.

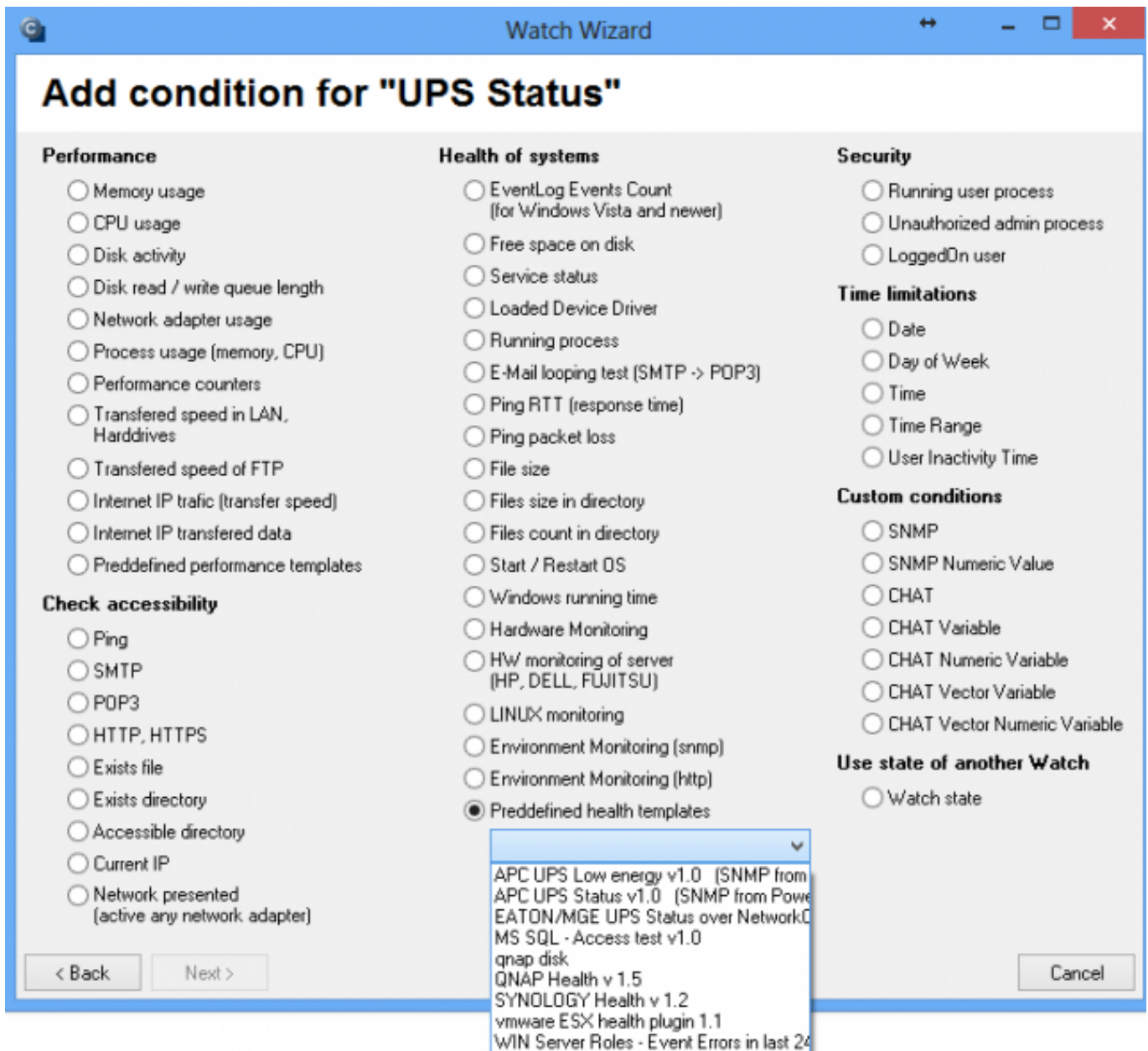


Image: Nastavenie monitoringu UPS pomocou sprievodcu

[Eaton/MGE UPS](#)

When monitoring EATON/MGE UPS devices, all data are read directly from network card on the UPS (using a CHAT script through SNMP) and on the very computer. There's no need for any other settings, where the Watch is.

You only need to set IP address of the network card, and you should already be able to view the required data.

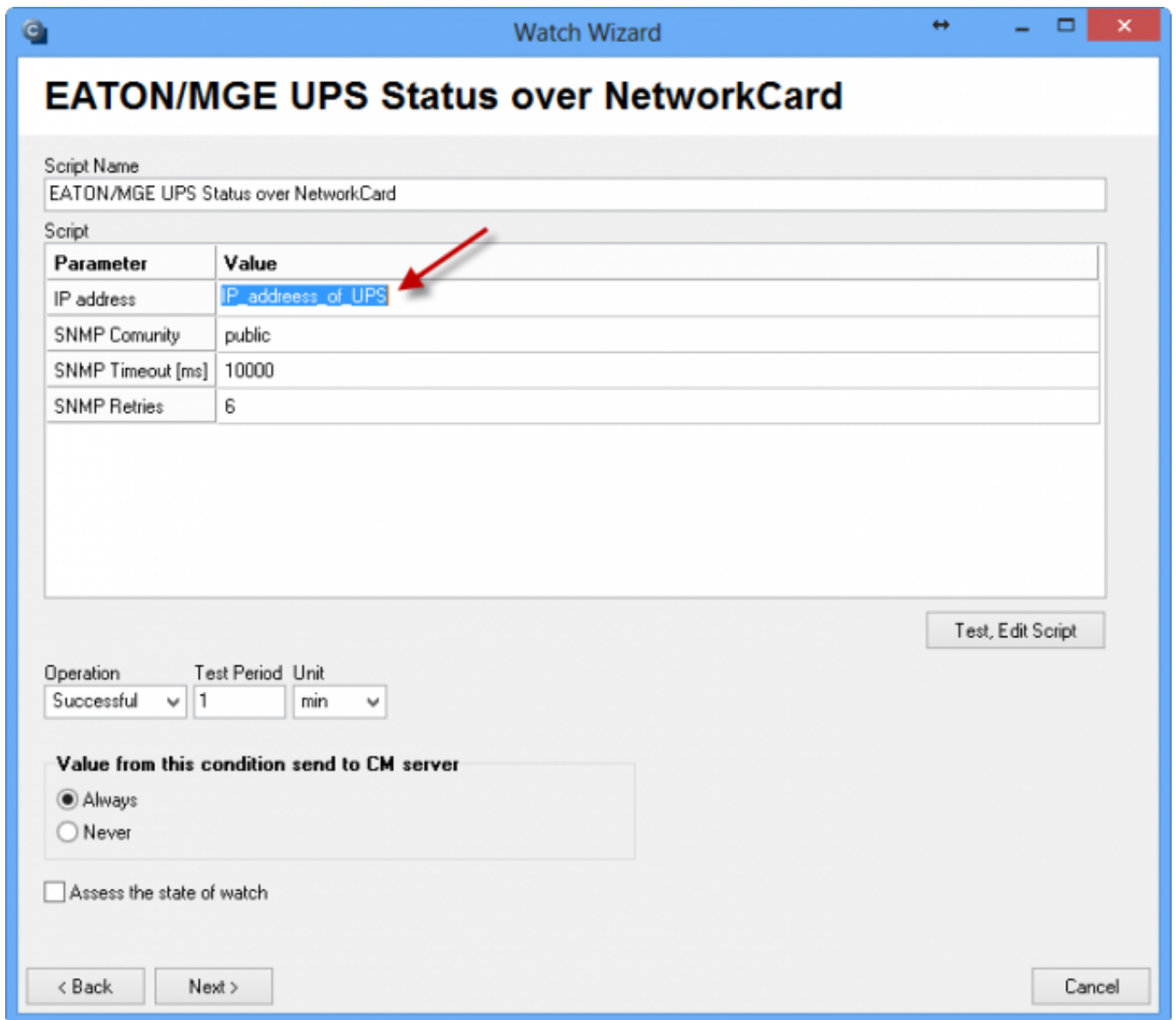


Image: Nastavenie IP adresy, ktorú používa UPS

You can view the current state of a Watch anytime after login to CM portal. Watches can be found in the section *Presentation and Evaluation -> Presentation -> Watches (Online monitoring)*. In this section, you can adjust individual evaluated parameters as well. The following image illustrates a Watch for evaluation of an EATON/MGE type of UPS.

The screenshot shows the 'Watches (Online monitoring)' section of the Customer Monitor interface. The top navigation bar includes 'Admin zóna', 'Prehliadanie a Vyhodnotenie', and 'Customer Desk'. The main content area features search filters for 'Spoločnosť', 'Počítač & Umiestnenie', 'Zoradiť podľa', 'Zoradiť Watches podľa', 'Meno Watchu', 'Current status', 'Zoradiť ako', 'Zoradiť Watches ako', and 'Operátor'. A table titled 'Zoznam watches [zobrazená 1 položka]' displays the following data:

Star	Meno	Hodnota	Posledná zmena stavu	Podmienky k určeniu stavu	CM ID počítača	Meno počítača y sieti	Umiestnenie	Posl. online spojenie s CM
	UPS.EATONMGE	CHAT UPS Connect successful Voltage 235 V Remaining 41.70 min Load 13 % Capacity 100 % On Battery ? 2 On Bypass ? 2	4. Apr 2014 19:59:47	OK - because all conditions are true ● TRUE - successful CHAT "UPS Connect" (8.4.2014 17:46:34) ● TRUE - CHAT NumVar "Voltage" : Voltage (235 V) in 215..250 V ● TRUE - CHAT NumVar "Remaining" : Remaining (41.70 min) > 10 min ● TRUE - CHAT NumVar "Load" : Load (13 %) < 70 % ● TRUE - CHAT NumVar "Capacity" : Capacity (100 %) > 80 % ● TRUE - CHAT NumVar "OnBattery" : On Battery ? (2) = 2 ● TRUE - CHAT NumVar "Onbypass" : On Bypass ? (2) = 2 Delay for FAILED state is 2m	KKBSV01	SERVER-ML300	serverovna	8. Apr 2014 17:54:10

Image: Eaton watch na CM portáli

UPS APC

For monitoring of UPS of the brand APC, you need to have Powerchute Business installed (tested with version 9), and you also need to have SNMP service enabled, with reading through Public community, for successful data reading.

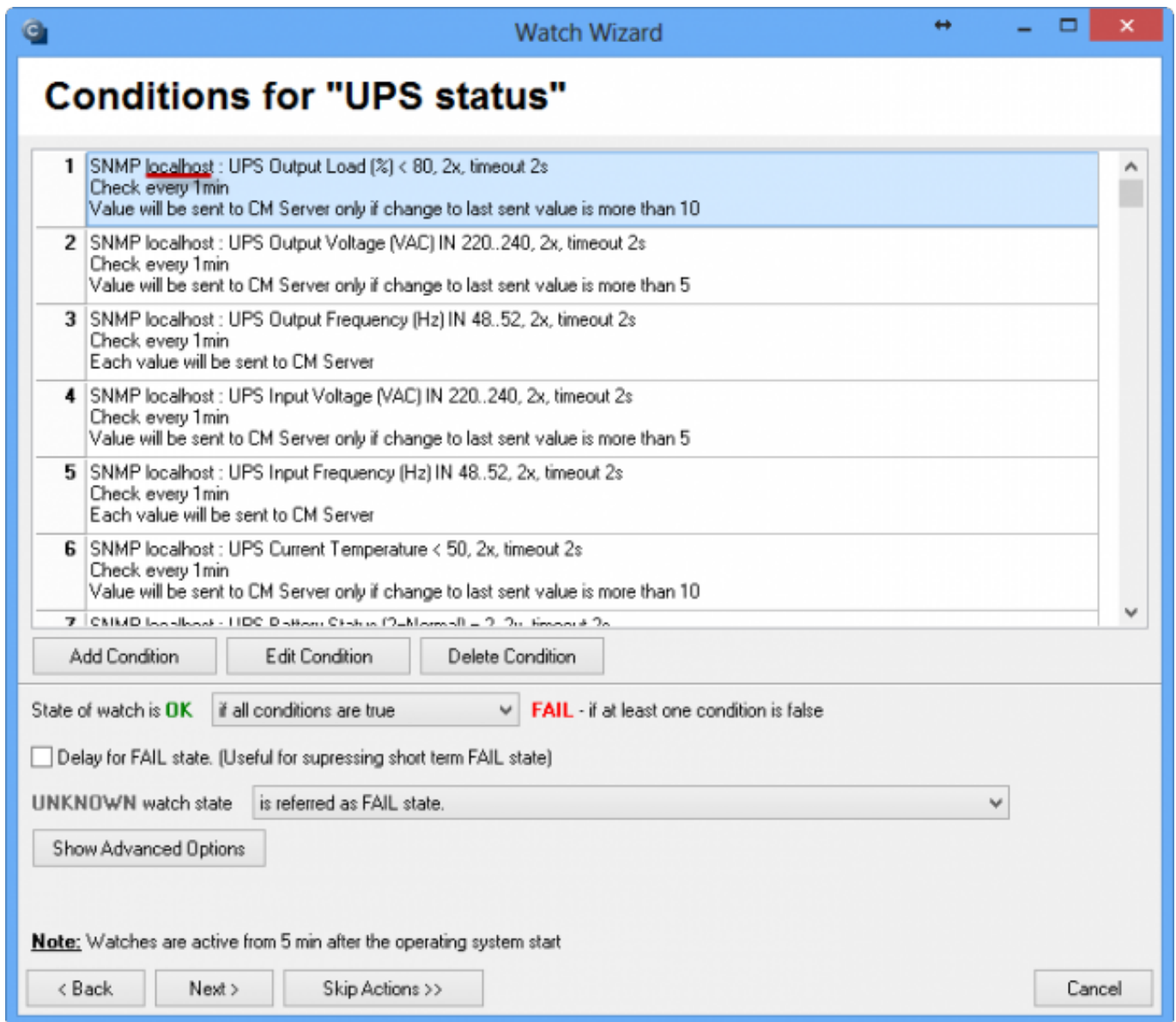


Image: Zoznam parametrov, ktoré sa budú vyhodnocovať

You can view the current state of a Watch anytime after login to CM portal. Watches can be found in the section *Presentation and Evaluation -> Presentation -> Watches (Online monitoring)*. In this section, you can adjust individual evaluated parameters as well. The following image illustrates a Watch for evaluation of an APC type of UPS.

The screenshot shows the 'Watches (Online monitoring)' page in the Customer Monitor application. The interface includes a navigation menu on the left with categories like 'Upozornenia', 'Zobrazenia', and 'Manažerské informácie'. The main content area features search filters for company, computer location, watch name, and operator. Below the filters is a table listing monitoring watches.

Slav	Meno	Hodnota	Posledná zmena stavu	Podmienky k určeniu stavu	CM ID počítača	Meno počítača v sieti	Umiestnenie	Posl. online spojenie s CM
●	APC_battery	UPS Battery Capacity (%) 100±1 UPS Battery Runtime Remaining 0.03:17:00	14. Mar 2014 03:20:19	OK - because all conditions are true ● TRUE - SNMP : 172.16.33.35 : UPS Battery Capacity (%) ("100") > 80 (4/8/2014 5:11:58 PM) ● TRUE - SNMP : 172.16.33.35 : UPS Battery Runtime Remaining ("0.03:17:00") > 0.00:10:00 (4/8/2014 5:11:58 PM)	K005V02	SERVER2	Wolf CR	8. Apr 2014 17:50:40
●	APC_status	UPS Output Load (%) 6±10 UPS Output Voltage (VAC) 229±5 UPS Output Frequency (Hz) 49 UPS Input Voltage (VAC) 239±5 UPS Input Frequency (Hz) 50 UPS Current Temperature 23±10 UPS Battery Status (2=Normal) 2 UPS Battery Selftest Result (1=Pass, 2=Fail) 1	5. Apr 2014 22:57:04	OK - because all conditions are true ● TRUE - SNMP : 172.16.33.35 : UPS Output Load (%) ("6") < 80 (4/8/2014 5:47:01 PM) ● TRUE - SNMP : 172.16.33.35 : UPS Output Voltage (VAC) ("229") IN 220..240 (4/8/2014 5:46:58 PM) ● TRUE - SNMP : 172.16.33.35 : UPS Output Frequency (Hz) ("49") IN 48..52 (4/8/2014 5:46:58 PM) ● TRUE - SNMP : 172.16.33.35 : UPS Input Voltage (VAC) ("239") IN 220..240 (4/8/2014 5:46:58 PM) ● TRUE - SNMP : 172.16.33.35 : UPS Input Frequency (Hz) ("50") IN 48..52 (4/8/2014 5:46:58 PM) ● TRUE - SNMP : 172.16.33.35 : UPS Current Temperature ("23") < 50 (4/8/2014 5:47:01 PM) ● TRUE - SNMP : 172.16.33.35 : UPS Battery Status (2=Normal) ("2") = 2 (4/8/2014 5:46:58 PM) ● TRUE - SNMP : 172.16.33.35 : UPS Battery Selftest Result (1=Pass, 2=Fail) ("1") = 1 (4/8/2014 5:46:58 PM)	K005V02	SERVER2	Wolf CR	8. Apr 2014 17:50:40

Image: APC watch na CM portáli

Date:
04/09/2014