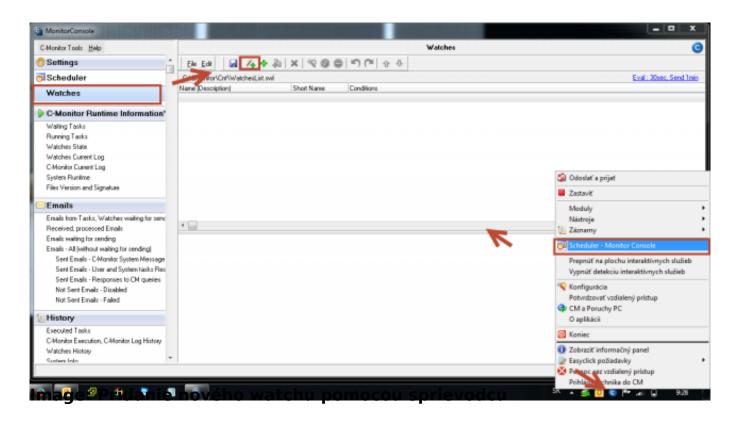


Eaton/MGE UPS

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.



G

Uninterruptible Power Supplies (UPS)

Published on Customer Monitor (https://www.customermonitor.eu)

Watch Wizard

_ 🗆 🗙

↔

Add condition for "UPS Status"

Performance	Health of systems	Security
O Memory usage	 EventLog Events Count 	 Running user process
O CPU usage	(for Windows Vista and newer)	 Unauthorized admin process
 Disk activity 	 Free space on disk 	O LoggedOn user
O Disk read / write gueue length	 Service status 	Time limitations
O Network adapter usage	 Loaded Device Driver 	
O Process usage (memory, CPU)	 Running process 	O Date
	E-Mail looping test (SMTP -> POP3)	O Day of Week
0.1111111111	 Ping RTT (response time) 	O Time
Harddrives	Ping packet loss	O Time Range
 Transfered speed of FTP 	File size	 User Inactivity Time
 Internet IP trafic (transfer speed) 	 Files size in directory 	Custom conditions
 Internet IP transfered data 	 Files count in directory 	○ SNMP
O Preddefined performance templates	Start / Restart OS	SNMP Numeric Value
Check accessibility	 Windows running time 	○ CHAT
 Memory usage CPU usage Disk activity Disk read / write queue length Network adapter usage Process usage (memory, CPU) Performance counters Transfered speed in LAN, Harddrives Transfered speed of FTP Internet IP trafic (transfer speed) Internet IP trafic (transfer speed) Internet IP transfered data Preddefined performance templates 	 Hardware Monitoring 	 CHAT Variable
	HW monitoring of server	CHAT Numeric Variable
O P0P3	(HP, DELL, FUJITSU)	CHAT Vector Variable
0.00	○ LINU× monitoring	CHAT Vector Numeric Variable
0	 Environment Monitoring (snmp) 	Use state of another Watch
 Disk activity Disk read / write queue length Network adapter usage Process usage (memory, CPU) Performance counters Transfered speed in LAN, Harddrives Transfered speed of FTP Internet IP trafic (transfer speed) Internet IP transfered data Preddefined performance templates Check accessibility Ping SMTP P0P3 HTTP, HTTPS Exists file Exists directory Accessible directory Current IP Network presented (active any network adapter) 	 Environment Monitoring (http) 	○ Watch state
-	 Preddefined health templates 	0 11 41 41 41 41
	×	
Obalioni	APC UPS Low energy v1.0 (SNMP from APC UPS Status v1.0 (SNMP from Powe	
0	EATON/MGE UPS Status over Network0	
	MS SQL · Access test v1.0	
< Back Next >	qnap disk QNAP Health v 1.5	Cancel
	SYNOLOGY Health v 1.2	
	vmware ESX health plugin 1.1 WIN Server Roles - Event Errors in last 24	

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.



Uninterruptible Power Supplies (UPS) Published on Customer Monitor

(https://www.customermonitor.eu)

à	Watch Wizard	+	- 🗆 🗙
EATON/M	IGE UPS Status over NetworkCard		
Script Name			
	tatus over NetworkCard		
Script			
Parameter	Value		
IP address	IP_addreess_of_UPS		
SNMP Comunity	public		
SNMP Timeout [ms]	10000		
SNMP Retries	6		
		Test	Edit Script
Operation Te	est Period Unit		
Successful v 1	min 🗸		
Value from this c Always	ondition send to CM server		
Assess the state of	f watch		
< Back Ne	xt >		Cancel

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.



Uninterruptible Power Supplies (UPS)

Published on Customer Monitor (https://www.customermonitor.eu)

	10.0		🔤 🗮 🔚 🔚 Úvodný prehľad 🗲 Kredit 🤶 Manual 🐠 O	dhlási
	Admin zóna	Prehliadanie a /yhodnotenie Custor	er Desk Operátor: Miro	C
Zbaliť všetko – Rozbaliť všetko	S Watches (Onlin	ne monitoring)		? 0
Upozomenia Poruchy História porúch Poruchy na počítačoch	Spoločnosť Meno Watchu Eaton Operátor	Počitač & Umiestnenie Current status Zobraziť Pod sebou	Zoradiť podľa CM-ID V Zoradiť Watches podľa Rozvitu V Zoradiť ako Vzoslupne V Zoradiť Watches ako Vzoslupne V Hľadať V True V False V Uniknown Vypnuté watche Len online PC	×
Zobrazenia	Zoznam watches [zobrazená 1	i položka]	Report z porúch Watche	es
Zóny <u>Watches (Online monitorina)</u> Pečítače Online informácie	Stay Meno	Hodnota	Posledná Podmienky k určeniu stavu <u>CM-ID</u> <u>Počítača Umiestnenie</u> počítača Umiestnenie spojeni s CM	e
Internet bandwidth monitor Zmeny na počítači Foto dokumentácia CMDB Dashboard Manažerské informácie Reporty Prenesaně dáta na ADSL a FW		CHAT UPS Connect successful Votage 235 V	OK - because all conditions are true ● TRUE - successful CHAT "UPS Connect" (8.4.2014 17.46.24) ● TRUE - CHAT NumVar. *Voltage": Voltage (235 V) in 215.250 V	
	UPS EATONINGE	Remaining 41.70 min Load 13 % Capacity 100 %	4. Apr 2014 • TRUE - CHAT NumVar. 19:59:47 • TRUE - CHAT NumVar. 19:59:47 • TRUE - CHAT NumVar. • TRUE - CHAT NumVar. • KKBSV01 • TRUE - CHAT NumVar. • KKBSV01 • TRUE - CHAT NumVar. • KKBSV01 • TRUE - CHAT NumVar. • TRUE - CHAT NumVar. • TRUE - CHAT NumVar. • TRUE - CHAT NumVar.	
		On Battery ? 2 On Bypas ? 2	% ● TRUE - CHAT NumVar. "Onbathey": On Bathey? (2) = 2 ● TRUE - CHAT NumVar. "Onhypass": On Bypass ? (2) = 2 Delay for FAILED state is 2m	

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.



Uninterruptible Power Supplies (UPS)

Published on Customer Monitor (https://www.customermonitor.eu)

G	Watch Wizard ++	-		×		
C	onditions for "UPS status"					
1	SNMP <u>localhost</u> : UPS Output Load (%) < 80, 2x, timeout 2s Check every 1min Value will be sent to CM Server only if change to last sent value is more than 10			^		
2	 2 SNMP localhost : UPS Dutput Voltage (VAC) IN 220240, 2x, timeout 2s Check every 1min Value will be sent to CM Server only if change to last sent value is more than 5 3 SNMP localhost : UPS Dutput Frequency (Hz) IN 4852, 2x, timeout 2s Check every 1min Each value will be sent to CM Server 4 SNMP localhost : UPS Input Voltage (VAC) IN 220240, 2x, timeout 2s Check every 1min Value will be sent to CM Server only if change to last sent value is more than 5 5 SNMP localhost : UPS Input Frequency (Hz) IN 4852, 2x, timeout 2s 					
3	Check every 1min					
4	Check every 1min					
5	Check every 1min Value will be sent to CM Server only if change to last sent value is more than 5 SNMP localhost : UPS Input Frequency (Hz) IN 4852, 2x, timeout 2s Check every 1min Each value will be sent to CM Server SNMP localhost : UPS Current Temperature < 50, 2x, timeout 2s Check every 1min					
6						
7	CNIMD los allosst - LIDC Diattory Chahar (2-Marmall = 2, 2), firmout 2a			~		
A	Add Condition Edit Condition Delete Condition					
State	of watch is OK if all conditions are true V FAIL - if at least one condition is false					
	elay for FAIL state. (Useful for supressing short term FAIL state)					
-						
UNKI	NOWN watch state is referred as FAIL state.					
Sho	ow Advanced Options					
Note	; Watches are active from 5 min after the operating system start					
NO(C)	watches are active non 5 mill after the operating system start	_				
< E	Back Next > Skip Actions >>		Canc	el		

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.



Uninterruptible Power Supplies (UPS) Published on Customer Monitor

(https://www.customermonitor.eu)

					ný prehľad	€ Kredit ? Manu		al 😑 Odhlásiť	
	Admin zóna	Prehliadanie a Vyhodnotenie Gusto	mer Desk				Operátor	Miro	C
half vletko 🔹 Rozhalf vletko	Statches (Onli	ine monitoring)						?	2
Upozornenia Poruchy História porúch Poruchy na počítačoch	Spoločnosť Meno Watchu APC Operátor	Počítač & Umiestnenie Current status Zobraziť Pod sebou	Zoradiť al	ko Vzestupne 🗸 Zoradiť Wa		Rozvrhu Vzostupne en online PC		ur E	×
Zobrazenia	Zoznam watches [zobrazoné	2 položiv 1					Report z porú	ch Watches	
Zòny <u>Watches (Online monitorine)</u> Počítače Online informácie	Stay Meno	Hodnota	Posledná zmena stavu	Podmienky k určeniu stavu	<u>CM-ID</u> počitača	Meno počitača v sieti	Umiestnenie	Posil. online spojenie s CM	
niemet bandwidth monitor Imeny na počitači Poto dokumentácia IMDB Dashboard Manažerské informácie	APC battery	UPS Battery Capacity (%) 190±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 Baitery Capacity (%) (*100*) > 80 (4482014 5:11:58 PM) TRUE - SNMP : 172.16.33.35 : UPS Baitery Runitme Remaining (*0.93:17:60*) > 0.08:10:00 (4492014 5:11:58 PM)	KKBSV02	SERVER2	Wolf CR	8. Apr 2014 17:50:40	5
Reporty Prenesené dáta na ADSL a FW	• APC status	UPS Output Least (%) 6±10 UPS Output Voltage (VAC) 22925 UPS Output Yoltage (VAC) 48 UPS Input Voltage (VAC) 23925 UPS Input Yoltage (VAC) 23925 UPS Input Frequency (Hz) 60 UPS Carnett Temperature 23±10 UPS Carnett Temperature 23±10 UPS Carnett Temperature 23±10 UPS Battery Settest 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 (%) (%) < 40 (4M2014 5:47:01 PM) • TRUE - SNMP : 172:16.33.35 : UPS Output Ventage (VAC) (7257) IN 200.240 (4M2014 5:46:56 PM) • TRUE - SNMP : 172:16.33.35 : UPS Output Ventage (VAC) (7257) IN 40.52 (4M2014 5:46:58 PM) • TRUE - SNMP : 172:16.33.35 : UPS Input Ventage (VAC) (7257) IN 46.52 (4M2014 5:46:58 PM) • TRUE - SNMP : 172:16.33.35 : UPS Input Frequency (Hz) (507) • TRUE - SNMP : 172:16.33.35 : UPS Input Frequency (Hz) (507) • TRUE - SNMP : 172:16.33.35 : UPS Input Frequency (Hz) (507) • TRUE - SNMP : 172:16.33.35 : UPS Guiden Temperature (25) < 50 (462014 5:47:01 PM) • TRUE - SNMP : 172:16.33.35 : UPS Battery Status (2-Hormati) (72) - 2 (482014 5:45:58 PM) • TRUE - SNMP : 172:16.33.35 : UPS Battery SetMet Result (1-Pass, 2-Pail) (TT) = 1 (462014 5:45:58 PM)	KK85V02	SERVER2	Wolf CR	8. Apr 2014 17:50:40	E

Image: APC watch na CM portáli

Date: 04/09/2014