On Windows operating systems, there's an option to set a Watch to monitor start (restart) directly on the computer's desktop, via C-Monitor Console. In case this is your first Watch, first read the procedure <u>how to create Watches in C-MonitorConsole</u> [1]

Skip to Setup through the condition OS system started

ER MONITOR

Setup through the condition Windows Running time

In C-Monitor Console in setup of Watches, add a new watch by clicking on Add Watch With Wizard.

Name the new watch describing the monitored parameter (you may also add name of the computer):

G Watch Wizard		×
Create watch with wizard		
Name of watch		
Operating system restart		
<u>Tip</u> Choose meaningful, descriptive name of watch, because this name will be used for suggesting notification messages texts.		
Proper watch name is e.g. "Free disk space on SERVER1"		
< Back Next >	Cancel	

Image: Obrázok: Pomenovanie nového Watchu

Select the option "Windows running time"

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G Watch Wizard				
Add condition for "Operating system restart"				
Performance Memory usage CPU usage Disk usage 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 Check accessibility Ping SMTP POP3 HTTP, HTTPS Exists file Exists directory Accessible directory Current IP	Health of systems EventLog Events Count (for Windows Vista and newer) Free space on disk Service status Loaded Device Driver Running process E-Mail looping test (SMTP -> POP3) Fing RTT (response time) Ping Packet loss File size File size File size File size in directory Windows running time Hardware Monitoring Windows running time Hurd monitoring of server (HP, DELL, FUJITSU) LINUX monitoring Environment Monitoring (smp) Preddefined health templates	Security Running user process Unauthorized admin process LoggedOn user Time limitations Date Day of Week Time Time Range Custom conditions SNMP CHAT CHAT Variable CHAT Numeric Variable CHAT Vector Variable CHAT Vector Variable Watch state 		
Network presented (active any network adapter) < Back		Cancel		

Image: Obrázok: Výber podmienky k Watchu

STOMER MONITOR

It is then necessary to set the condition's parameters. The setup will be easier, if you read the condition as : The condition is true, if Windows running time is higher than 10min (corresponding to the image below). The condition is FAIL after computer start from about 5min (that's when C-Monitor begins to evaluate Watches) until the mentioned 10min. Therefore, you'll receive two notifications for one restart. At first FAIL, as the computer is running for less than 10 minutes, and then after the 10th minute passes, you'll be notified that the Watch has changed back to OK state.



G Watch Wizard	
Windows running time	
Operator Time From OS Start Unit > → 10 min →	
Value from this condition send to CM server If value changes more than 10 min Always Never	
Assess the state of watch	
< Back Next >	Cancel

Image: Obrázok: Nastavenie podmienky k Watchu

You may complete the watch creation immediately by pressing "Skip Actions", if addition of other actions, performed at change of the watch's state, is not necessary. (for setup of Actions, read here [2])



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G Watch Wizard	
Conditions for "Operating system restart"	
1 Windows Running Time < 10min Check on each watch state evaluation Value will be sent to CM Server only if change to last sent value is more than 10	
Add Condition Edit Condition Delete Condition	
State of watch is OK if all conditions are true FAIL - if at least one condition is false	
Delay for FAIL state. (Useful for supressing short term FAIL state)	
Show Advanced Options	
Note: Watches are active from 5 min after the operating system start	
< Back Next > Skip Actions >>	Cancel

Image: Obrázok: Dokončenie vytvárania watchu

An example of notification, and a way to verify if the settings are correct, is at the end of article for setup of this Watch through CM portal <u>here</u> [3].

Setup through the condition OS system started

In C-Monitor Console in setup of Watches, add a new watch by clicking on Add Watch With Wizard.

Name the new watch describing the monitored parameter (you may also add name of the computer):



G Watch Wizard	
Create watch with wizard	
Name of watch	
Operating system start	
Lip Choose meaningful, descriptive name of watch, because this name will be used for suggesting notification messages texts.	
Proper watch name is e.g. "Free disk space on SERVER1"	
< Back Next >	Cancel

Image: Obrázok: Pomenovanie nového Watchu



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Add condition for	"Operating system star	rt"
Performance Memory usage CFU 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 trafic (transfer speed) Preddefined performance templates Check accessibility POP3 HTTP, HTTPS Exists file Exists directory Current IP Network presented Internet IP Network presented Internet IP Network presented Internet IP	Health of systems Free space on disk Service status Loaded Device Driver Running process E-Mail looping test (SMTP -> POP3) Ping RTT (response time) Ping packet loss Files size in directory Start / Restart 05 Windows running time Hardware Monitoring Windows running time Hardware Monitoring Environment Monitoring (smp) Environment Monitoring (smp) Preddefined health templates 	Security G Running user process Unauthorized admin process LoggedOn use Date Day of Week Time Time Range SNMP CHAT CHAT CHAT Variable CHAT Variable CHAT Vector Variable Match state

Image: Obrázok: Výber podmienky k Watchu

JSTOMER MONITOR

R

It is then necessary to set the condition's parameters. The setup will be easier, if you read the condition as : The condition is true, if the operating system has not started within the last 8 minutes (corresponding to the image below). The condition is FAIL if the operating system started during the last 8 minutes, therefore, the PC was restarted.

Select the option "Start/Restart OS"



G Watch Wizard	
Start / Restart OS	
OS was started In last minutes No ━ 8	
Value from this condition send to CM server Always	
Never Assess the state of watch	
< Back Next >	Cancel

Image: Obrázok: Nastavenie podmienky k Watchu

You may complete the watch creation immediately by pressing "Skip Actions", if addition of other actions, performed at change of the watch's state, is not necessary. (for setup of Actions, read here [2])



Watch Wizard				
Conditions for "Operating system start"				
1 OS has not been s Check on each w Each value will be	started during the last 8 m atch state evaluation sent to CM Server	inutes		
	500-17-			
Add Londition	Edit Londition	Delete Condition		
State of watch is OK if	all conditions are true	 FAIL - if at least one condition is false 		
Delay for FAIL state. (L	Jseful for supressing shor	t term FAIL state)		
Show Advanced Option	ns			
Note: Watches are activ	e from 5 min after the ope	erating system start		
< Back Next	> Skip Actions	>>	Cancel	

Image: Obrázok: Dokončenie vytvárania watchu

An example of notification, and a way to verify if the settings are correct, is at the end of article for setup of this Watch through CM portal here [3]. Date:

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Links

[1] https://customermonitor.eu/how-cm-works-0/monitoring-and-diagnostics/introduction-setting-online-monitoring-watches/basic-watch

[2] https://customermonitor.eu/how-cm-works-0/monitoring-and-diagnostics/introduction-setting-online-monitoring-watches/settings

[3] https://customermonitor.eu/how-cm-works-0/monitoring-and-diagnostics/start/restart-

computer/setup-monitoring-operating-system-0

[4] https://customermonitor.eu/sites/default/files/Operating_system_restart_wizard.png

[5] https://customermonitor.eu/sites/default/files/Add%20condition.png

[6] https://customermonitor.eu/sites/default/files/Windows%20running%20time%20setup_0.png

[7] https://customermonitor.eu/sites/default/files/Windows%20running%20time%20setup%202.png

[8] https://customermonitor.eu/sites/default/files/os%20start%201.png

[9] https://customermonitor.eu/sites/default/files/22_0.png

[10] https://customermonitor.eu/sites/default/files/2_36.png

[11] https://customermonitor.eu/sites/default/files/3_26.png