

Correct network settings are now essential for a reliable function of all comprehensive IT systems. Some settings are the basis for security solutions, and so they must be correct at all times. Other settings or states may serve for management of other processes (e.g. execute synchronization only if I'm on a fast internet connection). Therefore, it's necessary for effective management of IT to have these settings and status in real time under control. CM provides several solutions to verify configuration settings, as well as real-time status. They're illustrated on the samples below. There are many more besides these outlined solutions, made by combination of CM functions (for instance, there's a whole bunch of Watches conditions dedicated for network environment).

Examples of solutions to determine network configuration and current status in CM :

Online information (in Presentation and Evaluation) provide status of IP addresses in real time - public IP, and for every active network adapter its IP address, IP Gateway, MAC addresses, load in real transfer speed .. History is available for the past 48 hours.

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	Admin zón	a Prehlia Vyhodi	danie a totenie Customer D	esk Communica	itor	Operátor: Meno operátora 🔘
Zballf vielko 🔹 Rozballf vielko	🚦 Zóny					?
Upozomenia		▼ Spoloćnost	Počitač 8	and I	Použivateľ	
Paruchy	Online Informácie	• Operátor	Zoradiť	podľa CII-D 🔻	Zoradif ako Vzestupne 💌	Hindart Rozširené 🕱
História porúch		os	☑ Zahr	múť ručne zadané počitače	Len online počítače	
Poruchy na počítačoch						
Zobrazenia	Sekcia	Parameter	1. SEANBO4		2. SEANB056	3. SEANBOB
7 im		Show	History Histogram		History Histogram	History Histogram
Watches (Online monitoring)		Network Name	HINO-NB		SEANB056	JURAJ-NP
Počítače Odlas intermácia	[Giobal ip	213.01.134.42		84.16.38.178	62.176.172.154
Internet bandwidth monitor	Local ip 1	Ipimac	10.40.3.10/00/FF:79:91:26		192.168.1.132 / 00:21:50:A6:85	172.16.75.110 (AC:81:12:C8:F8
Zmeny na počítači		Gateway ip/mac	192.168.1.1 / CO.C1:CO.3A.EB.D8		192.168.1.1 / C0:C1:C0:3A:EB:D8	172.16.75.1/00:18:21:92:04:E2
Foto dokumentácia		Adapter name	TAP-Win32 Adapter V9		Intel(R) WFi Link S100 AGN	Wi-Pi adaptér Broadcom 4313GN 802,11b/gh 1x1
Manažerské informácie		Avg down speed in last 30s	217 B/s		42 B/s	151 B/s
Reporty		Avg up speed in last 30s	76 B/s		232 B/s	71 B/s
Prenesené dáta na ADSL a FIV						
	System usage	Cpu system usage	5 %		22 %	5 %
		Cpu kernel usage	0 %		2 %	3 %
		Memory usage	48.%		35.%	64 %

Image: Aktuálne sieťové nastavenia v Online Informáciách

Zone Network settings (in Presentation and Evaluation) provides status updated once a day, and a 6 month history of the complete network configuration of network adapters, as well as IP addresses, from which the



Check of network IP configuration

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	Admin zóna	Prehliadanie Vyhodnoteni	a Customer Desk	Communicator	Operator: Meno operatora		
Zbalif vielko Rozbalif vielko	Zóny				?		
Upozornenia		Spoločnosť	Počitač &	Použivateľ			
Poruchy	Siefové nastavenia	Operator	Zoradiť podľa CV-D	Zoradiť ako Vzostupne	Hladar Rozširené 🐹		
História porúch		os	Zahrnúť ručne za	dané počítače 📝 Len online počítače			
Portucity ha pocuacióch	4						
Zobrazenia		History	Parene history	Over history	Dow bishow		
7404		Network Name	MNO-NE	SEAND056	JURAJ-HP		
Watchas (Online manitoring)		User	Mian	Miro	Junaj		
Poèdrée		Current Login	Mino-NB/Milan	SEANB056Isonka	Juraj-HPUuraj		
Pockace		Location	po ruke	Devinska	Topolova		
Internet handwidth manifes		Online connection	4. Sep 2012 14:54:17	4. Sep 2012 14:54:04	4. Sep 2012 14:54:07		
Zmeny na počítači		Current IP	10.40.3.10, 192.168.0.205, 192.168.73.1, 192.168.202.1	192.168.1.132, 192.168.203.1, 192.168.174.1	172.16.75.110, 172.16.75.160		
Foto dokumentácia		Network	Workgroup: WORKGROUP	Workgroup: WORKGROUP	Warkgroup: WORKGROUP		
Manažerské informácie		Host name	Mino-ND	SEAND056	Juraj-HP		
Reporty Prenesené dáta na ADSL a FW		Node type	Hybrid	Hybrid	Peer-To-Peer		
		Dns servers	192.168.1.1	10.5.18.5,10.5.18.2,195.80.171.4	172.16.75.50,10.10.10.1,192.168.1.1		
		Global ip	91.127.237.50	84.16.38.170	188.121.180.165		
	Adapter 1	Name	TAP-Win32 Adapter V9	TAP-Win32 Adapter V9	TAP-Win32 Adapter V9		
		Type	Ethernet	Ethernet	Ethernet		
		Physical address	00 FF 79 91 26 92	00 FF F1 12 68 3F	00 FF AC D9 98 CC		

Image: Zóna - sieťové nastavenia a vstup do histórie



Image: Zobrazenie histórie sieťvých nastavení

Computers (in Presentation and Evaluation) provide overview of the last received public IP (in real time) of computers and local IP addresses of network adapters.



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	Admin zóna	Prehliadanie a Vyhodnotenie	Customer Desk	Communicator		Operátor: Meno operá	itora 🕜
- Zballf vielko 🔹 Rozballf vielko	🗐 Počítač	e					
- Upozomenia Ponuctiv	Spoiočnosť	Počitač & Umiestnenie	Pou	Svatef	Hl'adat'	Rozširené	
História porúch Poruchy na počítačoch	Operator Current status	Zoradif podľa Zlen online	cu-D • Zon e počitače	adifako Vzostupne 🝷	Zahrnúř ručne zadaní	i počitače	
– Zobrazenia	Zoznam počitačov [:	zobrazené 3 položky]				Report Zoznam počitačov	
Tim	Parameter	1. SEANB04	2. <u>SE/</u>	ANB056 🥸	3. SEANBOB		
Vialches (Dnihe monitoring) Počtaće Online informačie Internet bandwidth monitor Zmeny na počitači Foto dokumentácia	Show	Datail Histogram	Detail	Histogram	Datail Histogram	1	
	Network Name	MNO-NB	SEARC	1055	JURAJ-NP		
	Network	Warkgroup: WORKGROUP	Workg	roup: WORKGROUP	Workgroup: WOR	KGROUP	
	Current Login	Mino-NEWillian	SEANE	1058/aonka	Jura(-HPJura)		
	User Type	Admin (UAC: No)	Admin	(UAD: Yes)	Admin (UAD: Yes	0	
	Global ip	213.81.134.42	84.16.3	38.170	62.176.172.154		
	Local ip 1	10.40.3.10	192.16	8.1.132	172.16.75.110		
– Manažerské informácie	Local ip 2	192.168.0.205	192.16	8.203.1	172.16.75.160		
	Local ip 3	192.168.73.1	192.16	8.174.1			
Reporty	Local ip 4	192.168.202.1					
Prenesené dáta na ADSL a FW	08	Windows 7 Ultimate Windows Seven	Utimate x64 Profes	alonal x54	Windows 7 Profi	Windows 7 Professional Windows Seven Professional x64	
	OS Version	OS Version Windows Seven Ultrale x54 (SP1) OS Language Enslish (Enslish)		Windows Seven Professional x64 (SPD) Windo English (English) Sizvali		Windows Seven Professional x64 (SP1) Sizvak (English)	
	OS Language						
	Processor	Intel(R) Core(TM) (7-2530QH CPU (8 2	2.00GHz Intel/R	Core/TM/2 Due CPU P6466 (8) storal x64	2.26GHz Intel(R) Core(TM)	5-2410H CPU @ 2.30GHz	

Image: Zobrazenie Globálnej a Verejnej IP v časti Prehliadanie a Vyhodnotenie -> Zobrazenia -> Počítače

Scheduler in C-MonitorConsole provides conditional execution of planned tasks (C-Scheduler) for management of program activity - <u>According to the network</u> <u>adapter's current IP address</u> [1]

In **Watches**, you can use the following conditions to detect network settings and current status :

Current IP address [2] Network Presented [3]

We're currently developing signalization of change of the public IP address (the signalization will run from the CM Server), which you can use to notify of switching to slower, backup lines. Date:



Links

[1] https://www.customermonitor.eu/how-cm-works-0/monitoring-and-diagnostics/introduction-setting-online-monitoring-watches/overview#Current IP
[2] https://www.customermonitor.eu/how-cm-works-0/monitoring-and-diagnostics/introduction-



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setting-online-monitoring-watches/overview#CurrentIP

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

setting-online-monitoring-watches/overview#NetworkPresented

[4] https://www.customermonitor.eu/sites/default/files/online%20info.png

[5] https://www.customermonitor.eu/sites/default/files/zony1.png

[6] https://www.customermonitor.eu/sites/default/files/zony2.png

[7] https://www.customermonitor.eu/sites/default/files/pocitace.png

[8] https://www.customermonitor.eu/sites/default/files/watch1.png

[9] https://www.customermonitor.eu/sites/default/files/watch2.png