

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.

					🗮 🔚 🚾 Úvodný prehľad	€ Kredit ? Manual 🛛 Odhläsiť
	Admin zóna		danie a notenie Customer De	sk Communica	itor	Operátor: Meno operátora 🕜
Zballf vielko 🔹 Rozballf vielko	Zóny					?
Upozomenia		<ul> <li>Spoločnost</li> </ul>	Počitač & Umiestne		Použivateľ	
Paruchy	Online Informácie	• Operator			Zoradif ako Vzestupne 💌	Hradar Rozširené 🗶 🕽
História porúch		os	Zahrn	úť ručne zadané počitače	Len online počítače	
Poruchy na počítačoch	4 (					
- Zobrazenia	Sekcia	Parameter	1. SEANBO4		2. SEANB056	3. SEANBOB
Zóni		Show	History Histogram		History Histogram	History Histogram
Watches (Online monitoring)		Network Name	HINO-NB		SEANB056	JURAL-HP
Počitače Online informácie		Global ip	213.01.134.42		04.16.30.170	62.176.172.154
Internet bandwidth monitor	Local ip 1	Ipimac	10.40.3.10 / 00:FF:79:91:26		192.168.1.132 / 00:21:5D:A&:05	172.16.75.110 / AC-01:12:C8F8
Zmeny na počítači		Gateway ip/mac	192.168.1.1 / CO.C1:CO.3A.EB.D8		192.168.1.1/00.01.00:3A/EB/D8	172.18.75.1/00.18.21.92.04.82
Foto dokumentácia		Adapter name	TAP-Win32 Adapter V9		Intel(R) WIFI Link \$100 AGN	Wi-Fi adapter Broadcom 4313GN 802, 11b/g/n 1x1
– Manažerské informácie		Avg down speed in last 30s	217 8/6		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 %
-		Nemory usage	45 %		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		Communicator	Operátor: Meno operátora
balit dello Rochalit dello	🚦 Zóny				
Upozornenia		Spoločnosť	Počitač & Umicatnenie	Použivateľ	
oruchy	Siefové nastavenia 💌	Operator	Zoradiť podľa C	I-D  Zoradiť ako Vzostupne	Hladať Rozširené
História porúch	-	os	Zahrnúť ručne	zadané počítače 📝 Len online počítače	
Poruchy na počítačoch					
Cobrazenia	*				
Courtazonia		History	Show history	Show history	Show history
Zim		Network Name	MNO-NB	SEANB056	JURAJ-HP
Watches (Online monitoring)		User	Milan	Miro	Juraj
očitače		Current Login	Mino-NB/Milan	SEANB056isonka	Juraj-HPUuraj
Inline informácie		Location	po ruke	Devinska	Topolova
nternet bandwidth monitor		Online connection	4. Sep 2012 14:54:17	4. Sep 2012 14:54:04	4. Sep 2012 14:54:07
meny na počítači		Current IP	10.40.3.10, 192.168.0.205, 192.168.7 192.168.202.1	<sup>3.1</sup> , 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 informàcie		Host name	Mino-ND	SEAND056	Juraj-HP
		Node type	Hybrid	Hybrid	Peer-To-Peer
leporty		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
Prenesené dáta na ADSL a FW		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.79.91.28.92	00 FF F1:12 68 3F	00.FF.AC.D9.98.CC

Image: Zóna - sieťové nastavenia a vstup do histórie

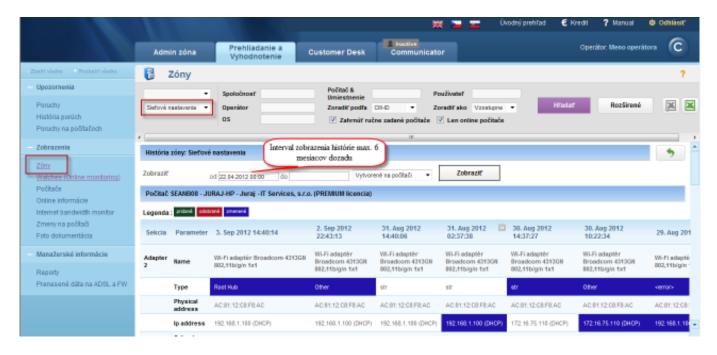


Image: Zobrazenie histórie sieťvých nastavení

**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.



#### **Check of network IP configuration**

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				<b># 2</b>	🔤 🚾 Úvodný prehľad	€ Kredit ? Manual	🛛 Odhlásiť	
	Admin zóna	Prehliadanie a Vyhodnotenie	Customer Desk	Communicator		Operátor: Meno operá		
Zballf viello Rochallf viello	🔋 Počita	iće						
Upozomenia	Spoločnosť	Počitač &	Po	ußvatef	Hfadat'	Rozširené		
Poruchy Hiatória porúch Poruchy na počitačoch	Operátor Current status	Umiextnenie Zoradif podľa V Len onlin	CM-D - Zo	radit'ako Vzostupne 🝷	Zahrnúř ručne zadané po		XX	
Zobrazenia	Zoznam počitačov	[zobrazené 3 položky]				Report Zoznam počitačov		
Ζόπν	Parameter	1. SEANBO4	2. <u>55</u>	ANB056 S	3. SEANBOB			
Watches (Online monitoring)	Show	Detail Histogram	Detail	Histogram	Datail Histogram			
Počítače	Network Name	MNO-NB	SEAB	8056	JURAJ-HP			
Online informacie	Network	Warkgroup: WORKGROUP	Works	POUP: WORKGROUP	Workgroup: WORKG	Workgroup: WORKGROUP Juraj-HPJuraj		
	Current Login	Mino-NS/dillan	SEAN	5058/aonka	Jura(-HPJ ana)			
Internet bandwidth monitor	User Type	Admin (UAD: No)	Admin	(UAD: Yes)	Admin (UAE: Yex)			
Zmeny na počítači	Global ip	213.81.134.42	84.16	38.170	62.176.172.154			
Foto dokumentácia	Local ip 1	10.40.3.10		65.1.132	172.16.75.110			
Manažerské informácie	Local ip 2	192.168.0.205		68.203.1	172.16.75.160			
	Local ip 3	192.168.73.1	192.1	55.174.1				
Reporty	Local ip 4	192.168.202.1						
Prenesené dáta na ADSL a FW	08	Windows 7 Ultimate Windows Seven		eera 7 Professional Windows Sev asional x54	Windows 7 Professi	Windows 7 Professional Windows Seven Professional x64		
	OS Version	Windows Seven Ultrate x64 (SP1) English (English) Intel/Bi ConsTN (7-2030201 CPU dt 2.005Hz		owa Seven Professional #54 (SPI	l) Windows Seven Pro	Windown Serven Professional #84 (SP1) Skowk.(English) iz his/R1.CzrenTM1.6-2410H.CP1.02.2.305Hz		
	OS Language			h (Englah)	Slovak (English)			
	Processor			<ol> <li>Core(TM)2 Due CPU P6400 (8 2 microl.x54</li> </ol>				

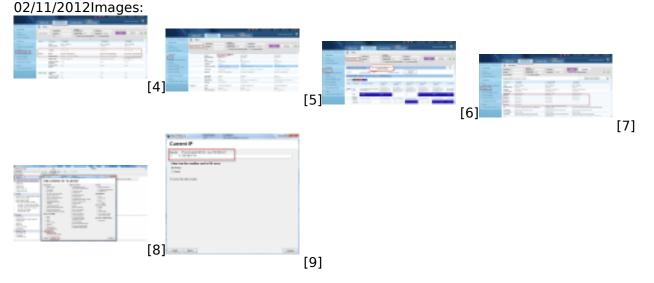
Image: Zobrazenie Globálnej a Verejnej IP v časti Prehliadanie a Vyhodnotenie -> Zobrazenia -> Počítače

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



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setting-online-monitoring-watches/overview#CurrentIP

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

setting-online-monitoring-watches/overview#NetworkPresented

- [4] https://www.customermonitor.co/sites/default/files/online%20info.png
- [5] https://www.customermonitor.co/sites/default/files/zony1.png
- [6] https://www.customermonitor.co/sites/default/files/zony2.png
- [7] https://www.customermonitor.co/sites/default/files/pocitace.png
- [8] https://www.customermonitor.co/sites/default/files/watch1.png
- [9] https://www.customermonitor.co/sites/default/files/watch2.png