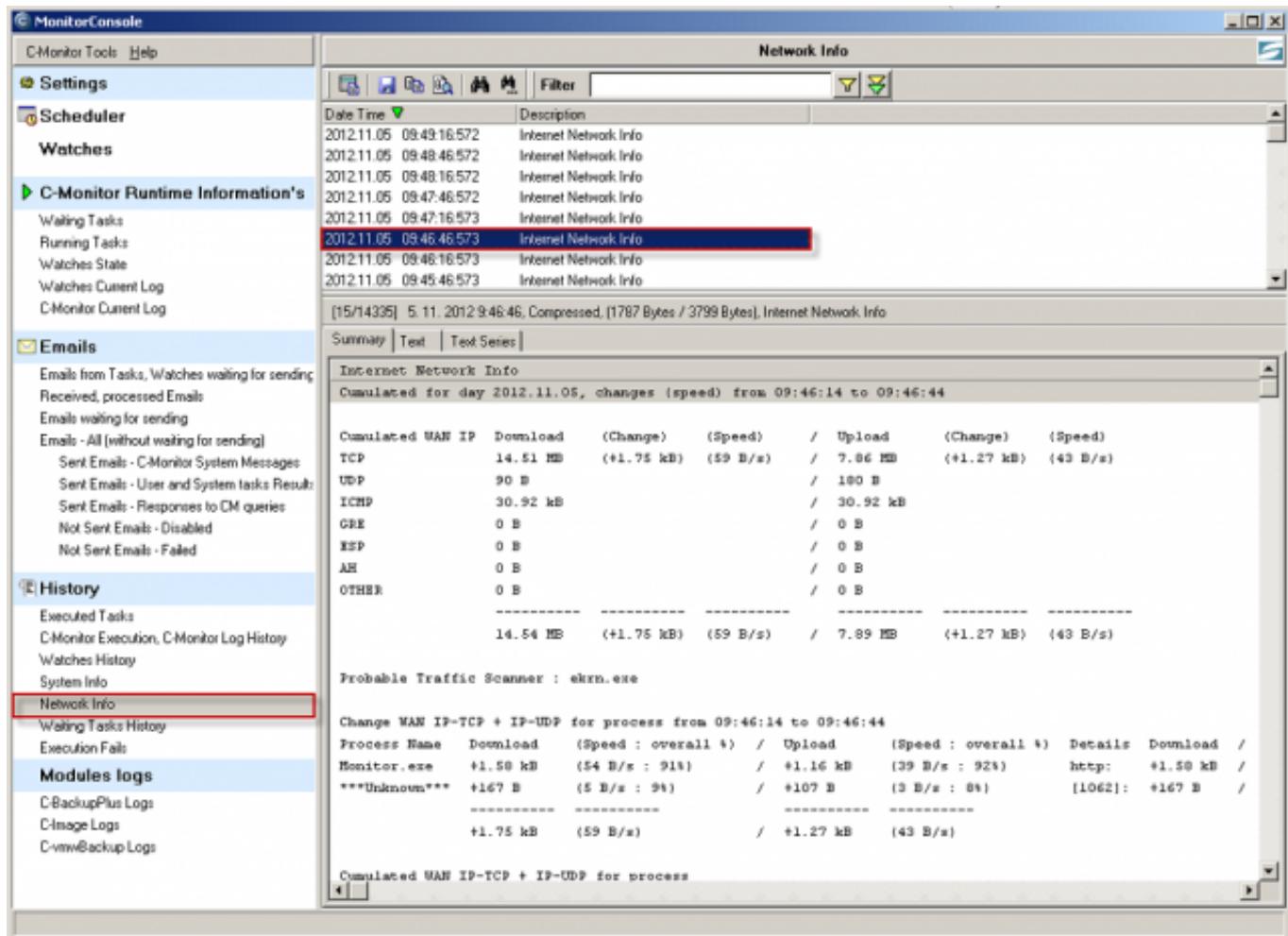


Network info

Network info offers detailed information about transferred data, which are counted every day anew. The transferred data are divided according to direction (upload, download), they're assigned to processes, with a particular IP address, and there are also displayed corresponding transfer ports to the transfers. Such detailed information cannot be found anywhere on CM Portal.

Entry to Network info is realized through C-Monitor tray icon. Open **Scheduler - Monitor Console** and in the new window select *Network info* from the options on the left, as displayed on the next image.



The screenshot shows the Customer Monitor Network Info window. On the left, a sidebar lists various monitoring categories: Settings, Scheduler, Watches, C-Monitor Runtime Information's (which is currently selected), Waiting Tasks, Running Tasks, Watches State, Watches Current Log, CMonitor Current Log, Emails, History, and Modules logs. The 'Network Info' option under 'C-Monitor Runtime Information's' is highlighted with a red box. The main pane displays a table of network events with columns for Date Time and Description. One row for '2012.11.05 09:46:573 Internet Network Info' is highlighted with a red box. Below the table, a summary section titled 'Internet Network Info' provides cumulative data for the day. It includes tables for WAN IP protocols (TCP, UDP, ICMP, GRE, ESP, AH, OTHER) showing download, upload, change, and speed statistics. A 'Probable Traffic Scanner : ekrn.exe' section shows a table for process traffic changes. At the bottom, a note indicates cumulative data for the process.

Date Time	Description
2012.11.05 09:49:16.572	Internet Network Info
2012.11.05 09:48:46.572	Internet Network Info
2012.11.05 09:48:16.572	Internet Network Info
2012.11.05 09:47:46.572	Internet Network Info
2012.11.05 09:47:16.573	Internet Network Info
2012.11.05 09:46:573	Internet Network Info
2012.11.05 09:46:16.573	Internet Network Info
2012.11.05 09:45:46.573	Internet Network Info

Protocol	Download	(Change)	(Speed)	/	Upload	(Change)	(Speed)
TCP	14.51 kB	(+1.75 kB)	(59 B/s)	/	7.86 kB	(+1.27 kB)	(43 B/s)
UDP	90 B			/	180 B		
ICMP	30.92 kB			/	30.92 kB		
GRE	0 B			/	0 B		
ESP	0 B			/	0 B		
AH	0 B			/	0 B		
OTHER	0 B			/	0 B		
	-----	-----	-----	-----	-----	-----	-----
	14.54 kB	(+1.75 kB)	(59 B/s)	/	7.89 kB	(+1.27 kB)	(43 B/s)

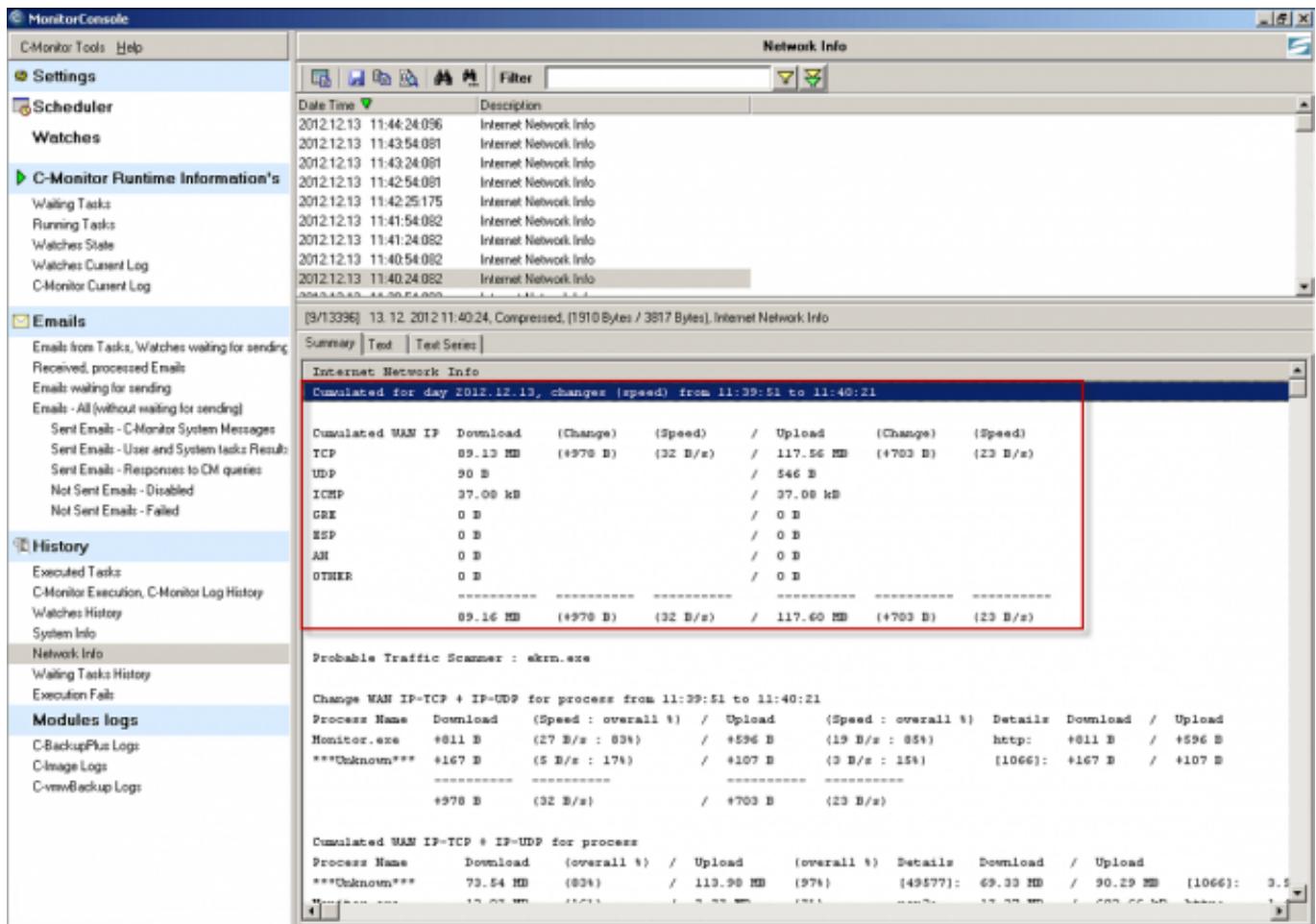
Change MAN IP-TCP + IP-UDP for process from 09:46:14 to 09:46:44							
Process Name	Download	(Speed : overall %)	/	Upload	(Speed : overall %)	Details	Download /
Monitor.exe	+1.58 kB	(54 B/s : 91%)	/	+1.16 kB	(39 B/s : 92%)	http:	+1.58 kB /
Unknown	+167 B	(5 B/s : 9%)	/	+107 B	(3 B/s : 8%)	[1062]:	+167 B /
	-----	-----	-----	-----	-----	-----	-----
	+1.75 kB	(59 B/s)	/	+1.27 kB	(43 B/s)		

Cumulated WAN IP-TCP + IP-UDP for process

Image: Network info

The output is divided to five parts.

The first part shows cumulated amount of transferred data through individual protocols, counted from 00:00 till 24:00 of the current day. In the column *Change* are displayed changes for the past 30 seconds of received (download) and sent (upload) data, and in the column *Speed* is the average transfer speed. This section is highlighted on the next image.



The screenshot shows the Customer Monitor interface with the 'Network Info' tab selected. On the left, there's a sidebar with various monitoring tools like 'MonitorConsole', 'C-Monitor Tools', 'Scheduler', 'Watches', 'C-Monitor Runtime Information's (which is expanded to show 'Waiting Tasks', 'Running Tasks', 'Watches State', 'Watches Current Log', and 'C-Monitor Current Log'), 'Emails' (with sections for Received, Processed, and Pending emails), 'History' (with sections for Executed Tasks, C-Monitor Execution, Watches History, System Info, and Network Info), and 'Modules logs' (with sections for C-BackupPlus Logs, C-Image Logs, and C-vmwBackup Logs).

The main area displays 'Network Info' with a table of recent events:

Date Time	Description
2012.12.13 11:44:24.096	Internet Network Info
2012.12.13 11:43:54.081	Internet Network Info
2012.12.13 11:43:24.081	Internet Network Info
2012.12.13 11:42:54.081	Internet Network Info
2012.12.13 11:42:25.175	Internet Network Info
2012.12.13 11:41:54.082	Internet Network Info
2012.12.13 11:41:24.082	Internet Network Info
2012.12.13 11:40:54.082	Internet Network Info
2012.12.13 11:40:24.082	Internet Network Info

Below this, a summary section shows a compressed file transfer: [3/13396] 13.12.2012 11:40:24, Compressed, [1910 Bytes / 3817 Bytes], Internet Network Info.

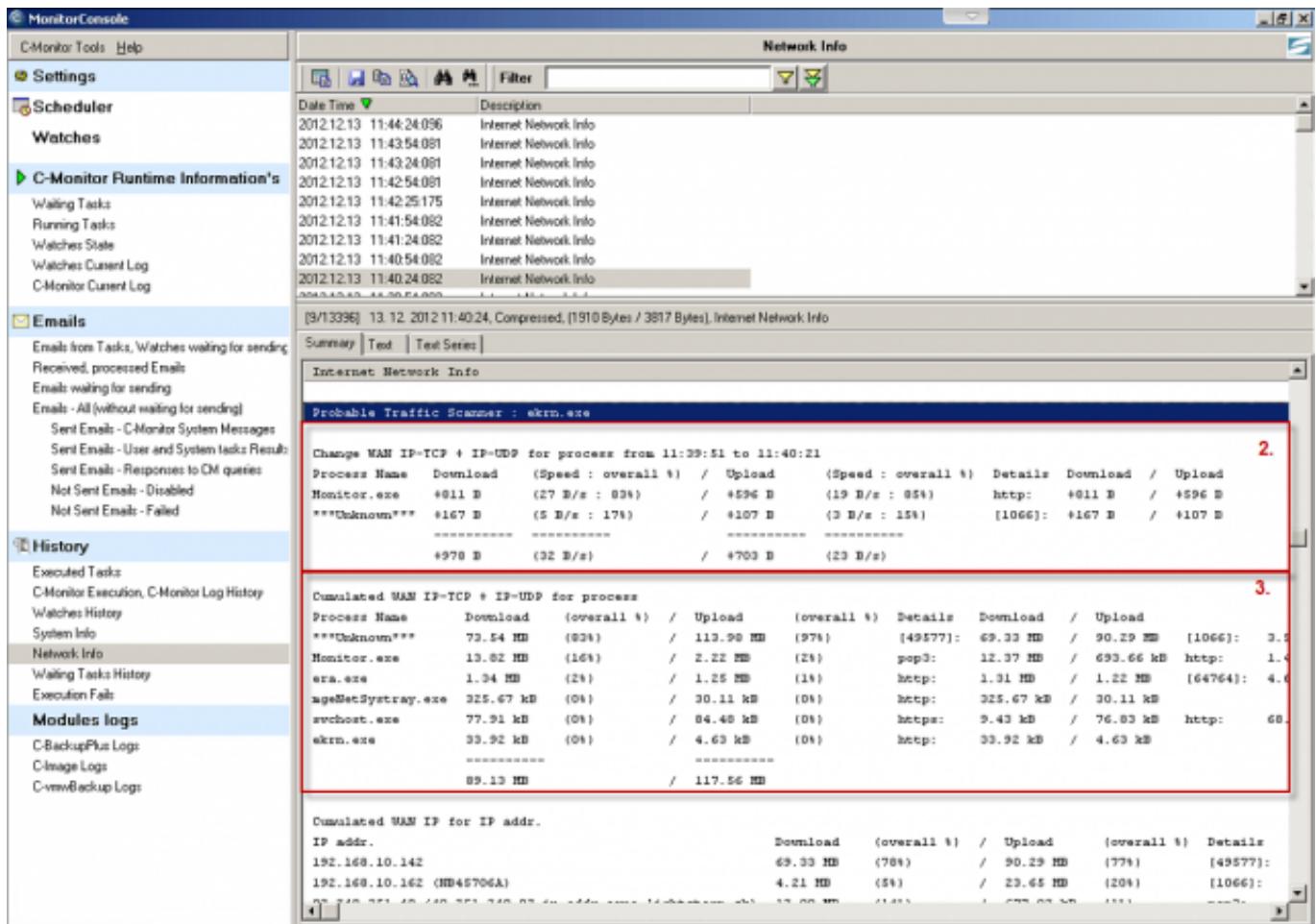
The central part of the screen is a detailed 'Internet Network Info' section. It includes a table for 'Cumulated for day 2012.12.13, changes (speed) from 11:39:51 to 11:40:21' and another for 'Probable Traffic Scanner : skrn.exe'. Both tables show download and upload speeds for various protocols (TCP, UDP, ICMP, GBE, ESP, AH, OTHER) over a 30-second interval.

Image: Kumulovaný počet celkových prenesených dát cez jednotlivé protokoly

The second part shows the change of sent and received data for just TCP and UDP packets, for a concrete process for the past 30 seconds, with detail of transfer speed and transfer port.

The third part shows the same as the second one, but cumulative for the whole day (00:00 - 24:00).

The second and the third part are both highlighted on the next image.



The screenshot shows the Customer Monitor interface with the 'Network Info' window open. The left sidebar contains navigation links like 'MonitorConsole', 'C-Monitor Tools', 'Help', 'Settings', 'Scheduler', 'Watches', 'C-Monitor Runtime Information's (which is expanded to show 'Waiting Tasks', 'Running Tasks', 'Watches State', 'Watches Current Log', and 'C-Monitor Current Log'), 'Emails' (with sections for 'Received processed Emails', 'Emails waiting for sending', and 'Emails - All (without waiting for sending)'), 'History' (with sections for 'Executed Tasks', 'C-Monitor Execution', 'C-Monitor Log History', 'Watches History', 'System Info', and 'Network Info' which is selected and highlighted in grey), and 'Modules logs' (with sections for 'C-BackupPlus Logs', 'C-Image Logs', and 'C-vmwBackup Logs').

The main 'Network Info' window displays a table of network events:

Date Time	Description
2012.12.13 11:44:24.096	Internet Network Info
2012.12.13 11:43:54.081	Internet Network Info
2012.12.13 11:43:24.081	Internet Network Info
2012.12.13 11:42:54.081	Internet Network Info
2012.12.13 11:42:25.175	Internet Network Info
2012.12.13 11:41:54.082	Internet Network Info
2012.12.13 11:41:24.082	Internet Network Info
2012.12.13 11:40:54.082	Internet Network Info
2012.12.13 11:40:24.082	Internet Network Info

Below this, there is a summary message: '[3/13396] 13.12.2012 11:40:24, Compressed, [1910 Bytes / 3817 Bytes], Internet Network Info'. The window also includes tabs for 'Summary', 'Text', and 'Text Series', and a section titled 'Internet Network Info'.

The bottom part of the window contains two tables of cumulative network traffic data:

Probable Traffic Scanner : skrm.exe

Process Name	Download	(Speed : overall %)	/	Upload	(Speed : overall %)	Details	Download	/	Upload
Monitor.exe	+811 B	(27 B/s : 89%)	/	+596 B	(19 B/s : 85%)	http:	+811 B	/	+596 B
Unknown	+167 B	(5 B/s : 17%)	/	+107 B	(3 B/s : 15%)	[1066]:	+167 B	/	+107 B
	+978 B	(32 B/s)	/	+703 B	(23 B/s)				

Cumulated WAM IP-TCP + IP-UDP for process

Process Name	Download	(overall %)	/	Upload	(overall %)	Details	Download	/	Upload
Unknown	73.54 kB	(83%)	/	113.98 kB	(97%)	[49577]:	69.33 kB	/	90.29 kB
Monitor.exe	13.82 kB	(16%)	/	2.22 kB	(2%)	pop3:	12.37 kB	/	693.66 kB
era.exe	1.34 kB	(2%)	/	1.25 kB	(1%)	http:	1.31 kB	/	1.22 kB
ageNetSystray.exe	325.67 kB	(0%)	/	30.11 kB	(0%)	http:	325.67 kB	/	30.11 kB
svchost.exe	77.91 kB	(0%)	/	84.48 kB	(0%)	https:	9.43 kB	/	76.03 kB
skrm.exe	33.92 kB	(0%)	/	4.63 kB	(0%)	http:	33.92 kB	/	4.63 kB
	89.13 kB		/	117.56 kB					

Cumulated WAM IP for IP addr.

ID addr.	Download	(overall %)	/	Upload	(overall %)	Details
192.168.10.142	69.33 kB	(78%)	/	90.29 kB	(77%)	[49577]:
192.168.10.162 (HB45706A)	4.21 kB	(5%)	/	23.65 kB	(20%)	[1066]:

Image: Odoslané a prijaté dátá pre TCP a UDP pakety

The fourth part shows cumulative amount of transferred data, distinguishing IP for the whole day from 00:00 till 24:00. It also shows average speeds of Upload and Download and transfer ports, and the percentage of the total data transferred.

The fifth part contains information about the whole traffic through virtual and network adapters.

The screenshot shows the Customer Monitor interface with the 'Network Info' tab selected. The main pane displays a table of network traffic data for different IP addresses, with a red box highlighting row 4. Below this table, another red box highlights a section titled 'Ethernet Traffic - Physical Adapters' containing traffic summary statistics.

IP addr.	Download (overall %)	Upload (overall %)	Details
192.168.10.142	69.03 MB (78%)	/ 90.29 MB (77%)	{49577}:
192.168.10.162 (HB4570DA)	4.21 MB (5%)	/ 23.65 MB (20%)	{1066}:
92.240.251.49 (49.251.240.92)	12.00 MB (14%)	/ 677.92 kB (1%)	pop3:
217.67.19.193 (www.vu.sk)	1.41 MB (2%)	/ 1.57 MB (1%)	http:
89.202.149.49 (tsm02.eset.com)	1.08 MB (1%)	/ 33.04 kB (0%)	http:
89.202.159.201 (tsm04.eset.com)	32.27 kB (0%)	/ 204.34 kB (0%)	http:
93.184.71.19 (tsm01.eset.com)	28.87 kB (0%)	/ 182.61 kB (0%)	http:
89.202.157.196 (tsm05.eset.com)	26.78 kB (0%)	/ 169.48 kB (0%)	http:
	-----	-----	
	89.16 MB (99%)	/ 117.60 MB (99%)	

Ethernet Traffic - Physical Adapters:

5.

Incoming Total Traffic 10.01 GB
 Outgoing Total Traffic 14.16 GB
 Unknown Total Traffic (broadcasts, virtual machines,...) 13.28 MB

WAN Traffic IPs: other than 0.0.0.0; 127.0.0.1; 192.168.0.*

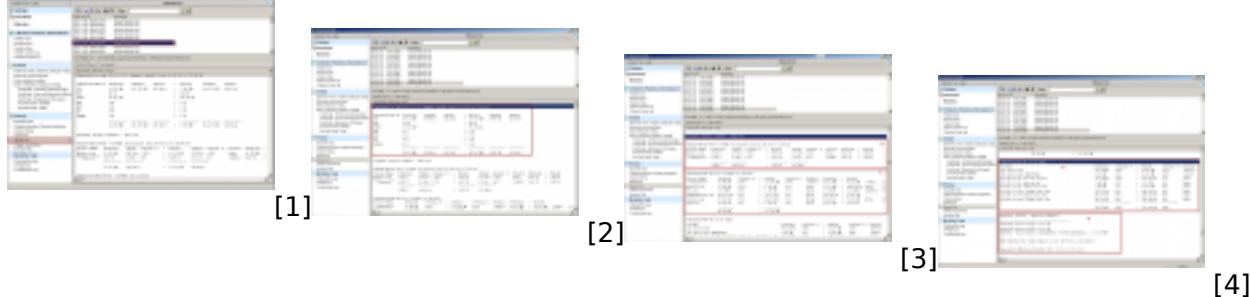
Separately Monitored Traffic IPs: 0.0.0.0; 127.0.0.1

Image: Internetové prenosy rozdelené na IP adresy, sumárny prenos dát cez ethernet

Date:

12/06/2012

Images:



Links

- [1] https://customermonitor.co/sites/default/files/network%20info_1.png
- [2] <https://customermonitor.co/sites/default/files/ast%201%20network%20info.png>
- [3] <https://customermonitor.co/sites/default/files/druha%20cast%20network%20info2.png>
- [4] https://customermonitor.co/sites/default/files/cast%204_0.png