These improvements will quickly help you to determine processes, which load out the terminal server's RAM and CPU the most, dividing them by specific users, so that you're able to immediately react and notify the user, or possibly to automate solutions of overloading - setting the processes, which most load out the terminal server, to be automatically turned off by Watches.

There are two places to view load of terminal servers :

View in Online information load by TOP users

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In the section Online information, you get instant information about two processes, which load CPU and RAM the most, also assigned to the user, who executed these processes

			🗮 📨 💳 Úvodný prehľad 🗲 Kredit 🦓 Manual	Odbliniť
	Admin zóna	Prehladanie i Vyhodnotenie	Customer Desk Communicator Operator	C
- Znaliť clarko — Mortnaliť clarko	🚦 Zóny			? 9
Upozornenia		Speletnest	Počtač & montolik Prozimeter	
Porachy Histólia porách Porachy na počítačoch	Online Informations	Operátor OS	Zenedit petis (240) v Zenedit also Vontore v Hiladut CC	××
Zobrazenia		Cpu kernel usage	2%	
Zobrazema		Memory usage Disk activity	87% 2%	
Zóny		Disk avg read guese	0	
Watches (Online monitoring) Poôtale		Disk avg write guese	 Final Association of the second se 	
Colles Intervade	Processes by ope	Process 1	ColProgram Tites (addition formit) Stream Tolescont (2013)	
Internet bandwidth monitor		Process 2	Collindows/Bestens/Edwars.ext. 8.50	
Zmeny na počitači Poto dekumentácia	Processes by memory	Process 1	Colourant Files additional a firefue file fue are (307 MII)	
CMDB Deshboard		Process 2	Coloragene Files addetitis readet officield/ficerend/ficerend/file	
Manažerské informácie	Processes by user cpu	User 1	Juni-HPJJani, 45 K-Prosessen Files Juli/ETechsimithiseast trilineatifictionexe - 35)	
Reporty		Uper 2	KT AUTHORITY/SYSTEM: 0.5. EC:Cilleniar/Monitor.exx - 0.51	
Prenezené dáta na ADSL a FW	Processes by user memory	User 1	Jurai HPLJanic 1312 IIB (C:Program Film LoBD)Mecilia Pirefox/Invito.exe307 MB)	- 1
		User 2	NT. AATTHORY YAYYITIM: 1995.000 LC/Windows/DestewSZavybosLeve - 187.000	

Image: Zobrazenie v Online informáciách zaťaženie od TOP používateľov

If you wish to view a detailed list of load of the terminal server, with division by users, it can be found through the C-Monitor client, section *System info – user consumption*, as you can see on the next image.



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C-Monitor Tools Help						System Info - user	consumption	1				
Settings		Filter				AA						
Scheduler	Date Time 😎	Description			-							
	2013 12 12 17:00:00:702	System Inf										
Watches	2013 1212 16/59 30 702	System In										
C-Monitor Runtime Information's	[1/6914] 12 12 2013 17:00	00, Compres	oed, (3798 Byte	: / 12739 Bye	ud, System Ini	fα						
Waiting Tasks	Summery Text Text Serie											
Running Tasks	System Info											
Watches State	None Execution Three	da										
Watches Current Log												
C-Monitor Current Log	CDUSystem: 24											
System Runkine	CPUKernel: 14											
Files Version and Signature	HemoryUsage: 664											
-	MemoryPhysTotal: 414	8044 XP										
Emails	MemoryPhysUsed: 2754											
Emails from Tasks, Watches waiting for sending												
Received, processed Envalo										-		
Emails waiting for sending	User	CPU	CPU Time	Memory	Max Nem.	Read + Write	ReW change	EXE BARRY	Priority	\$15.	Rights	Path
Emails - All (without waiting for sending)	LOCAL SERVICE	2%	16:02:26	478 338		2284379 HB-RM	+93 38					
Sent Emails - C-Monitor System Messages		29	18:86:31	136 MB	136 18	2284367 MB-DW	+93 2 8	swchost.exe	Normal	80		C:\Wind
Sent Emails - User and System tasks Result		0%	0:03:07	315 MB	323 MB	8 MB-DW		svehost.exe	Normal	80		C:\Wind
Sent Email: - Responses to DN queries		0%	0:02:35	11 MB	14 200	0 250-010		swchost.exe	Normal	80		C:\Wind
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	peter	1%	0:01:34	314 108		22 MB-BN						
History		14	0:00:26	125 MD	145 MB	6 MD-2W		Engine.eze	Normal	\$20	A,I,R	
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C-Monitor Execution, C-Monitor Log History		04	0:00:00	20 MD	20 MD	0 MD-24		TOTALCHD64. IXI	Normal	\$20		C:\tota
Watches History		04	0:00:00	12 MD	12 30	2 MD-94		taskhost.exe	Normal	\$20		C:\Wind
System Info		0%	0:00:02	11 MD	11 MD	0 20-24		rdpshell.eze	Normal	520		C:\Wind
System Info - user consumption		01	0:00:00	0 150	9 MD	0 30-24		rdpinit.eze	Normal	520		C:\Wind
Network Info	1	01	0:00:00	7 80	7 30	0 20-94		rdpclip.exe	Normal	520		C:\Wind
Files Version and Signature History		01	0:00:00	5 1935	12 383	0 320-54		dwa.eze	Normal	520	A, I, R	C:\Wind
		01	0:00:00	3 25	3 20	0 320-246		ServerHanagerlauncher.exe	Normal	520	A,I,9	C:\Wind
Walling Tasks History	demoval	15	0:01:31	209 108		10 XB-BN						
Waiting Tasks History Execution Fails		19	0:01:26	129 85	151 20	5 225-59		Engine.eze	Normal	517	Ι, Ρ.	//skape
Execution Fails				36 MB	49 28	1 229-24		splwow64.eze	Normal	517	Ι, Ρ.	C:\Wind
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Image: Detailný rozpis zaťaženia terminálového servera s rozdelení na používateľov

Monitoring and hard termination of a specific process, which is longterm loading the server with notification to the user in Watches

For automatic termination of processes, which load the server for a long time, you can configure a Watch, which will monitor the given process, and if it measures values higher than those you set as the limit values, this Watch will automatically terminate the process and notify the user, who had this process running.

You can add this watch through C-Monitor client, in the section Watches by using the wizard, as displayed on the next image. Select the Watch called *Process usage (memory, CPU)* and press *Next*.



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MonitorConsole				
C-Mamilor Toole Help			Watches	(
Settings (* 54 -		5 (
Scheduler C'Olasto/O				End: 30mc. Send this
Watches Nane (Decoption	in ShotNate Candition			
C-Monitor Runtime Information's				
Walling Tasks Running Tasks	dament i			
Watches State	Watch Wiserd		(relation)	
Watches Durrent Log	Add condition for "	proces usage"		
C Honiter Current Leg	Add condition for "	proces usage		
System Pluntime	Performance	Health of systems	Security	
Files Version and Signature		C ErentLopEvents Court		
Emails	O Merce uses	Bor Viradown Viria and neven)	Putning use process Uneuthorized edhin process	
Emails from Tanks, Weitcher weiting for sending	 CPU usage Disk. activity 	Free space on dirk	C Lagged to une	
Received, processed Emails	O Disk, and / write queue length	Service status		
Email: waiting for unruling	Network adapter usage	Couched Drevice Driver	Time Emitations	
Emails - Alt(mithout waiting for sending)	Process usage strapp	During process	C Date	
Sent Emails - C Honitar System Hessages	C Pertementos cauntes	E Mail toping text (SMTP > POP3)	Day al'isleek.	
Sent Emails - User and System tasks Neouls	C Transferred speed in LAN.	PinpRTT (separate time)	© Tase	
Serk Enails - Responses to DH queries	Handchiver	O Pingpacket Issa	 Time Range 	
Not Seet Emails - Disabled	C Transfered speed of FTP	O File size	C User Inactivity Time	
Not Seet Enails - Failed	Internet IP halic (harder speed)	Files size in directory	Custom conditions	
History	Internet IP transferred data	Files count in desclosy	O SNMP	
Executed Tasks	Preddefined performance templates	Stat / Restat DS	SNMP Numeric Value	
Circlandrar Execution, D'Monitor Log History	Check accemibility	Windows surving time	O CHAT	
Watches History	© Ping	Hardware Monitoring	CHAT Variable	
System Into	O SMTP	HV monitoring of nerver	CHAT Numeric Variable	
System Into-user consumption	O P0P3	(HP, DELL, KURTSU)	CHAT Vector Variable	
Network Tello	O HITP, HITPS	UNUX monitoring	CHAT Vector Nameric Variable	
Files Vession and Signature History Walling Tanks History	C Exists like	 Environment Monitoring(semp) 	Use state of another Watsh	
Execution Fails	C Exists directors	 Environment Monitoring(Mp) Predderived health templates 	Viddh date	
Modules logs	Accessible apertoy	 Precidenties treating templates 		
C8achuarter Lagr	O Carert P			
C-backupment Lings C-lineope Logs	 Network prevented 			
Cymyllackup Lopa	Dative are nearly adapted			
	<deck net=""></deck>		Cancel	
	CORCE PHORES		Calice	

Image: Vytvorenie watchu

In the next window, choose a process, which the Watch is going to observe and set the limit value, by which this process can load the server.



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Watch Wizard		
Process usage (memory, C	Názov procesu	
xe Name (full path, name optional)	•	
firefox.exe		
Parameter Operator Value CPU Usage [%] → → 70 —	Hraničná hodn zaťaženia	ota
Value from his condition send to CM server		
If value changes more than		
Always		
○ Never		
There is a first to		
Assess the slate of watch		
CPU Usage [%] Memory Usage [% phys]		
Memory Usage [kB]		
Memory Usage [MB]		
<back next=""></back>		Cancel
Them I hear		Cancer

Image: Vyber procesu, ktorý sa bude sledovať

In the next window, you can add conditions to monitor more processes with only one Watch, when you're finished, press *Next*



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C Watch Wizard	
Conditions for "proces usage"	
1 Process "firefox.exe" CPU Usage > 70% Check on each watch state evaluation Value will be sent to CM Server only if change to last sent value is more than 2	
Add Condition Edit Condition Delete Condition	
State of watch is DK 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 >	Cancel

Image: V nasledujúcom okne si môžete pridať viacero podmienok pre sledovanie viacerých procesom pomocou jedného watchu

In the next window, you should configure an action that will be executed, in case the Watch is switched into *Fail* state, i.e. the process will begin to overload the server. To kill the process, select the option shown in the image - *Kill Process by watch DynamicID.* In the field above, you can set the time interval, after which will this action be executed (delay), in the third part you can type a message that will be displayed to the user when the process is terminated. All settings are illustrated on the next image

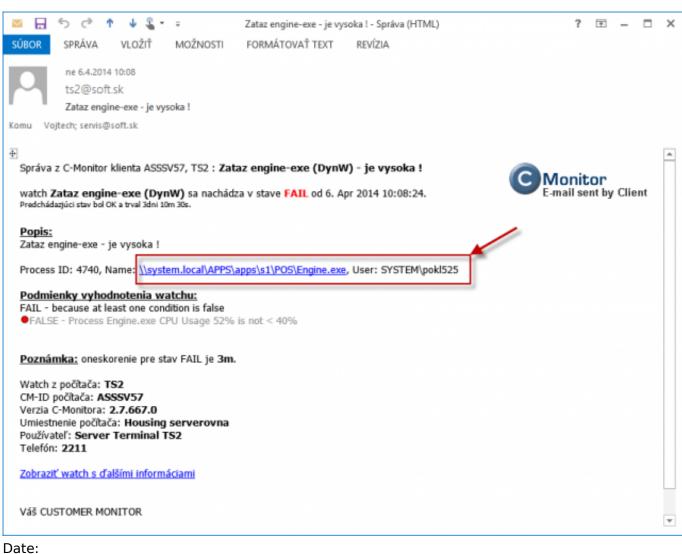
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Watch Wizard	- 0 X
Set a Start action for "proces usage"	
It state of the watch changes to FAIL, perform START action - execute task, display, log, send notifications Description of FAIL state Vjpnutie procesu E nabled If state of the watch changes to FAIL and is FAIL more than 00 sec do Kill Process by watch DynamicID Use Balloons vypnutie procesu firefox.exe Add Message to Log File Oznámenie Oznámenie Send SMS (via CM server, must be supported by CM server) Send E-Mail to custom E-Mail Addresses	
< Back Next >	Cancel

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Image: Nastavenie akcie, ktorá sa má vykonať v prípade že watch prejde do stavu fail

The mail notification about overload by the process, sent from C-Monitor, contains specific information about the user and exact storage of the application (this is important, if the given application is stored on several places - it will allow you to solve another overload operatively and without any delay (if you don't want to have that processed Killed after certain time, as we've described above). **Monitoring functions for terminal servers** Published on Customer Monitor (https://customermonitor.co)



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