

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

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

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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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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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C-Manitor Toole Help			Watches	
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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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Process usage (memory, CF , Názov procesu	
Exe Name (full path, name optional) firefox.exe Parameter Operator Value	
Value from his condition send to CM server	J
Always Never	
Assess the state of watch	
Memory Usage [% phys] Memory Usage [kB] Memory Usage [MB]	

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 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 >	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	
Set a Start action for "proces usage"	
Set a Start action for "proces usage" I is tate of the watch changes to FAIL, perform START action - execute task, display, log, send notifications Description of FAIL state Vypnutie procesu E nabled If state of the watch changes to FAIL and is FAIL more than SO Sec do Kill Process by watch DynamicID C Kill procesu Display Message to User Use Balloons Vypnutie procesu firefox.exe Add Message to Log File Send SMS (via CM server, must be supported by CM server) Send E-Mail to custom E-Mail Addresses	llhšie ako 50 elay)
< Back Next >	Cancel

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).



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