

Availability of MS SQL can be monitored in CM at least by the following two methods :

1. Standard CM conditions, e.g. service status

use the Watches condition <u>Service status</u> [1] for SQL services. Usually it's a service of the MS SQL server for each instance and agent services.

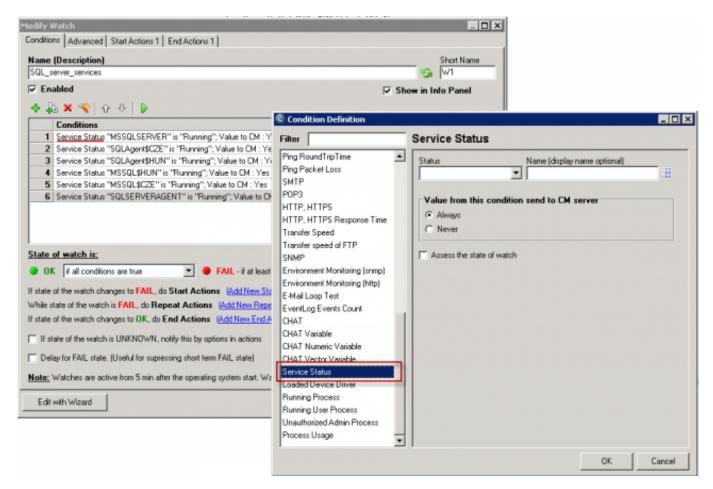


Image: Konfigurácia podmienok Service status v C-MonitorConsole



MS SQL availability Published on Customer Monitor

(https://www.customermonitor.eu)

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Image: Ukážka zobrazenia stavu služieb v CM Portáli

2. Test of access to SQL server by a prepared template from Watches

It's more efficient to determine function of all services by real access to the SQL server, C-Monitor is able to simulate access to the SQL server by using CHAT scripts. You don't need to write any script, it's already prepared and all you have to do, is to enter name of the SQL server or its instance in the correct form, and username and password for access

You must choose name of the SQL server, resp. the instance according to type of its installation. For the first SQL instance with the default configuration, write one of the following options into the field Server :

1. network name of the server

2. **network name of the server**\ **name of instance** (the name of instance only is there's only one, it's usually MSSQLSERVER or SQLSERVERor possibly SQLEXPRESS). For other instances, write name of the service for the SQL server's instance in the form MSSQL\$instance_name

The test's result is the success / failure of access to SQL. We recommend to use performance tests running on this exact same principle, through which you don't just measure the success of access to SQL server, but also the time of the SQL server's response, or even of a selected database, in miliseconds. Find out more in the article <u>MS SQL performance by measuring of time</u> [2]



G Watch Wizard	en la su							
Add condition for "Access to SQL server"								
Performance Memory usage CPU usage CPU usage Disk activity Disk read / write queue length Network adapter usage Process usage (memory, CPU) Performance counters Transfered speed in LAN, Harddrives Transfered speed of FTP Internet IP trafic (transfer speed) Internet IP trafic (transfer speed) Internet IP traffered data Preddefined performance templates Check accessibility Ping SMTP POP3 HTTP, HTTPS Exists file Exists directory Accessible directory	Health of systems EventLog Events Count (for Windows Vista and newer) Free space on disk Service status Loaded Device Driver Running process E-Mail looping test (SMTP -> POP3) Ping RTT (response time) Ping packet loss File size Files size in directory Files size in directory Start / Restart OS Windows running time Hardware Monitoring Windows running time Hardware Monitoring HW monitoring of server (HP, DELL, FUJITSU) LINUX monitoring Environment Monitoring (snmp) Environment Monitoring (http) Preddefined health templates	Security Running user process Unauthorized admin process LoggedOn user Date Date Day of Week Time Range SNMP CHAT Variable CHAT Numeric Variable CHAT Numeric Variable CHAT Vector Variable Watch state						
Current IP Network presented (active any network adapter) < Back Next >	APC UPS Low energy v1.0 (SNMP from APC UPS Status v1.0 (SNMP from Powe MS SQL - Access test v1.0 WIN Server Roles - Event Errors in last 24	Cancel						

Image: Testu prístupu k SQL serveru - výber z predpripravených šablón

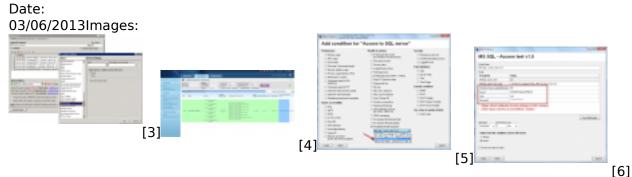


Watch Wizard

MS SQL - Acce	ess test v1.0			
Script Name				
MS SQL - Access test v1.0				
Script				
Parameter	Value			
MSSQL access test				
MSSQL path to vbs-script	.\Cnf\SWL_templates\SQL_VBS\mssql_access.vbs			
Windows\Server authentification				
Server	SERVER\SQLEXPRESS			
User	test			
Password	IN ENDEREMENTED DE DE COMPANY DE C			
voľba názvu servera je	vysveliena v cianku	Test, Edit Script		
Operation Test Period Un Successful 👻 5 m	it T	Test, Euri Script		
Value from this condition se	nd to CM server			
Always				
Never				
Assess the state of watch				
< Back Next >		Cancel		

Image: Parametre pre konfiguráciu prístupového testu k SQL serveru

Work with the script, such as testing and signing, is described in the article <u>MS SOL performance by</u> <u>measuring of time [2]</u>



Links

[1] https://www.customermonitor.eu/node/667/#Service_status

[2] https://www.customermonitor.eu/how-cm-works-0/monitoring-and-diagnostics/availability-and-load-sql-servers/ms-sql-performance-1

- [3] https://www.customermonitor.eu/sites/default/files/Stav_sluzieb_konfiguracia_Watches.png
- [4] https://www.customermonitor.eu/sites/default/files/Stav_sluzieb_v_CM-Portali.png

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[5] https://www.customermonitor.eu/sites/default/files/AccessTest_k_overenie_zivosti_SQLservera_vy ber_sablony.png
 [6] https://www.customermonitor.eu/sites/default/files/Vstupne_udaje_k_access_testu_do_SQL_datab azy.png