

New Watches templates for small NAS

These templates will help you to configure monitoring of status of network disk NAS devices by the producers QNAP and Synology. Monitoring of NAS means monitoring of state of the RAID field, state and temperature of disks, function of blowers etc. This gives you immediate view on the status of your device, which allows you to prevent unnecessary failures. In case a problem occurs (e.g. high temperature, or one disk in RAID fails) you'll be informed immediately. The communication runs through SNMP.

1. Monitoring of state of NAS from companies QNAP, Synology

The Watch for monitoring of state of NAS devices is set through C-Monitor client, in the section *Watches*, as you can see on the next image.

All templates for monitoring of NAS are located in the section *Preddefined Health Templates*.

Choose a device that you want to monitor and press *Next*.

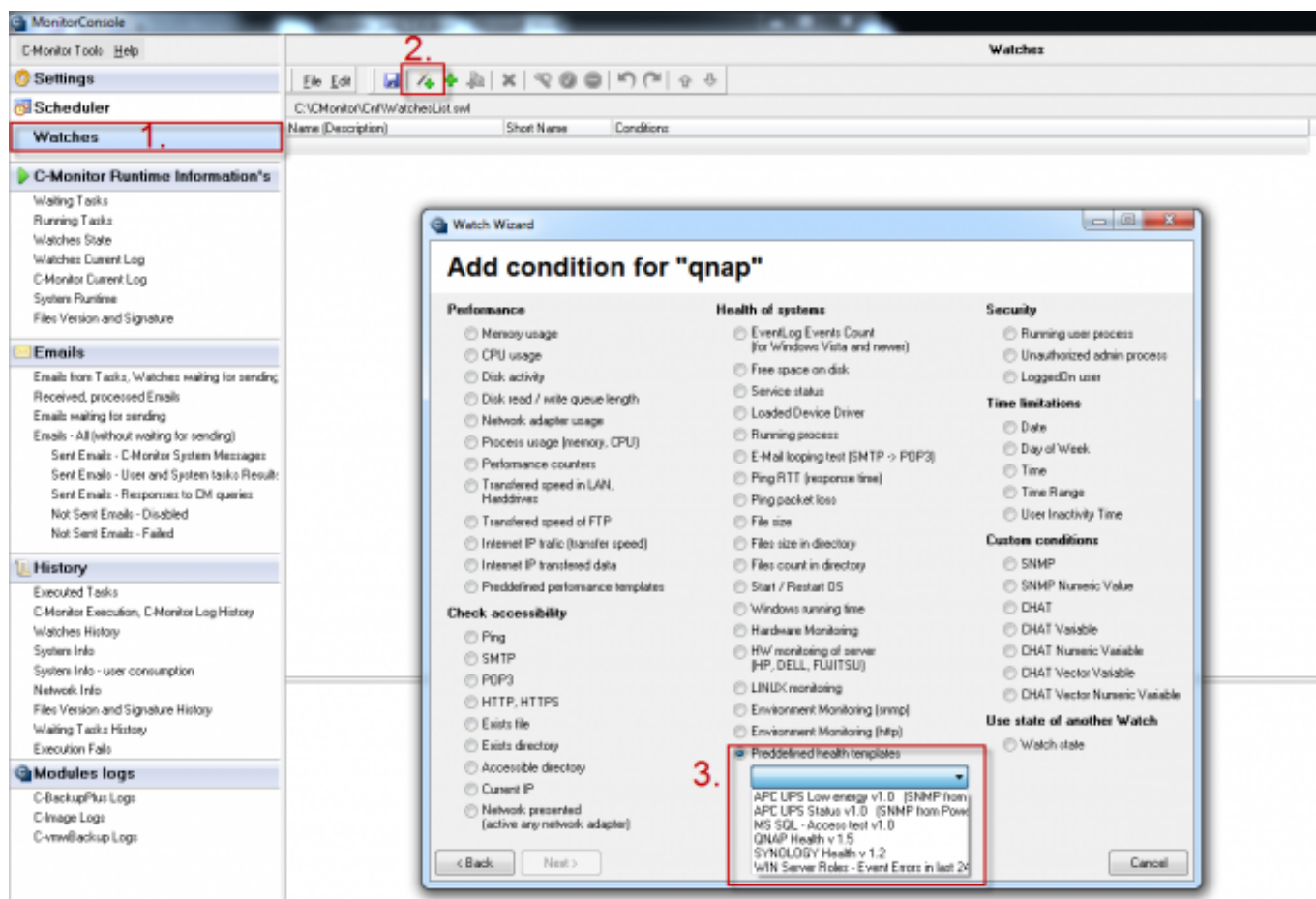


Image: Nastavenie watchu pre monitoring NAS

In the next window, set IP address of the QNAP device and all information necessary for SNMP communication. Then press the *Next* button.

Watch Wizard

QNAP Health v 1.5

Script Name
QNAP Health v 1.5

Script

Parameter	Value
IP address	IP_address_of_QNAP_device
SNMP Community	public
SNMP Timeout [ms]	10000
SNMP Retries	4

Test, Edit Script

Operation: Successful Test Period: 2 Unit: min

Value from this condition send to CM server

☒ Always
☐ Never

☐ Assess the state of watch

< Back Next > Cancel

Image: Nastavenie monitoringu pre QNAP

In the next window, you'll see all predefined conditions, which are going to be monitored and evaluated for the QNAP device.

The screenshot shows the 'Watch Wizard' window with the title 'Conditions for "qnap"'. It contains a list of seven conditions for monitoring a QNAP device. Below the list are buttons for 'Add Condition', 'Edit Condition', and 'Delete Condition'. The 'State of watch is' section shows 'OK' (green) and 'FAIL' (red) states, with a dropdown menu set to 'if all conditions are true'. There is a checkbox for 'Delay for FAIL state' with a value of 7 and a 'Min' dropdown. A 'Hide Advanced Options' button is present. There are also checkboxes for 'If state of the watch is UNKNOWN, notify this by options in actions' and 'Evaluate watch state with longer period than 30s'. A note states 'Watches are active from 5 min after the operating system start'. At the bottom are buttons for '< Back', 'Next >', 'Skip Actions >>', and 'Cancel'.

Condition ID	Condition Description
1	Successful CHAT QNAP Health v 1.5 Check every 2min Each value will be sent to CM Server
2	CHAT Var. "Model" (QNAP Model) <> . Check on each watch state evaluation Each value will be sent to CM Server
3	CHAT Vect.Var. "DiskStatus[]" (HDDStatus) = Ready Check on each watch state evaluation Each value will be sent to CM Server
4	CHAT Vect.Var. "DiskSMART[]" (HDDSMART) = GOOD Check on each watch state evaluation Each value will be sent to CM Server
5	CHAT Vect.NumVar. "Temperature[]" (HDDTemperature) < 43C Check on each watch state evaluation Value will be sent to CM Server only if change to last sent value is more than 2
6	CHAT Vect.NumVar. "FreeSpace[]" (VolFree) > 20GB Check on each watch state evaluation Value will be sent to CM Server only if change to last sent value is more than 5
7	CHAT Vect.Var. "VolumeStatus[]" (VolStatus) = Ready Check on each watch state evaluation Each value will be sent to CM Server

Buttons: 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. Conditions for FAIL state must be met at least 7 Min

Hide Advanced Options

☒ If state of the watch is UNKNOWN, notify this by options in actions

☐ Evaluate watch state with longer period than 30s (specified by C-Monitor license)

Note: Watches are active from 5 min after the operating system start

Buttons: < Back, Next >, Skip Actions >>, Cancel

Image: Sledované parametre pre QNAP

The next window contains an overview of all predefined conditions, which are going to be monitored and evaluated for the Synology device. Creation procedure of the Watch is the same as for QNAP.

The screenshot shows the 'Watch Wizard' window in the Customer Monitor application, specifically the 'Conditions for "synology"' step. The window has a title bar with standard Windows controls. The main area contains a list of six conditions for monitoring a Synology device. Below the list are buttons for 'Add Condition', 'Edit Condition', and 'Delete Condition'. At the bottom, there are options to configure the watch state (OK/FAIL), a delay for the FAIL state, and checkboxes for advanced options like notifying on UNKNOWN state and longer evaluation periods. Navigation buttons at the bottom include '< Back', 'Next >', 'Skip Actions >>', and 'Cancel'.

Condition ID	Condition Description	Check Frequency	Action
1	Successful CHAT SYNOLOGY Health v 1.2	Check every 2min	Each value will be sent to CM Server
2	CHAT Var. 'Model' (Synology Model) <> .	Check on each watch state evaluation	Each value will be sent to CM Server
3	CHAT Vect.Var. 'DiskStatus[]' (HDDStatus) = Normal	Check on each watch state evaluation	Each value will be sent to CM Server
4	CHAT Vect.NumVar. 'Temperature[]' (HDDTemperature) < 43C	Check on each watch state evaluation	Value will be sent to CM Server only if change to last sent value is more than 2
5	CHAT Vect.NumVar. 'FreeSpace[]' (StorageFree) > 20GB	Check on each watch state evaluation	Value will be sent to CM Server only if change to last sent value is more than 5
6	CHAT Vect.Var. 'RaidStatus[]' (RStatus) = Normal	Check on each watch state evaluation	Each value will be sent to CM Server

State of watch is **OK** if all conditions are true **FAIL** - if at least one condition is false

☒ Delay for FAIL state. Conditions for FAIL state must be met at least

☒ If state of the watch is UNKNOWN, notify this by options in actions

☐ Evaluate watch state with longer period than 30s (specified by C-Monitor license)

Note: Watches are active from 5 min after the operating system start

< Back Next > Skip Actions >> Cancel

Image: Sledované parametre pre Synology

If any parameter should be erroneous, you'll be informed about it in time, either by e-mail from the CM Server, or if you configure an action, it can be by e-mail or directly by an SMS message.

Date:

01/08/2014