

ESX plugin is functional since the version VMware ESX 5.0, to set a watch for monitoring of vmware ESX servers through ESX plugin, you must know the ESX server's IP address and you need to have a valid login and password. For correct function, you must enable ILO on the server, and set a valid IP address to it.

After fulfilling the basic conditions and setup, move to Scheduler where you'll configure the monitoring. Press the button *add Watch* using the wizard as shown on the next image and enter name of the Watch.

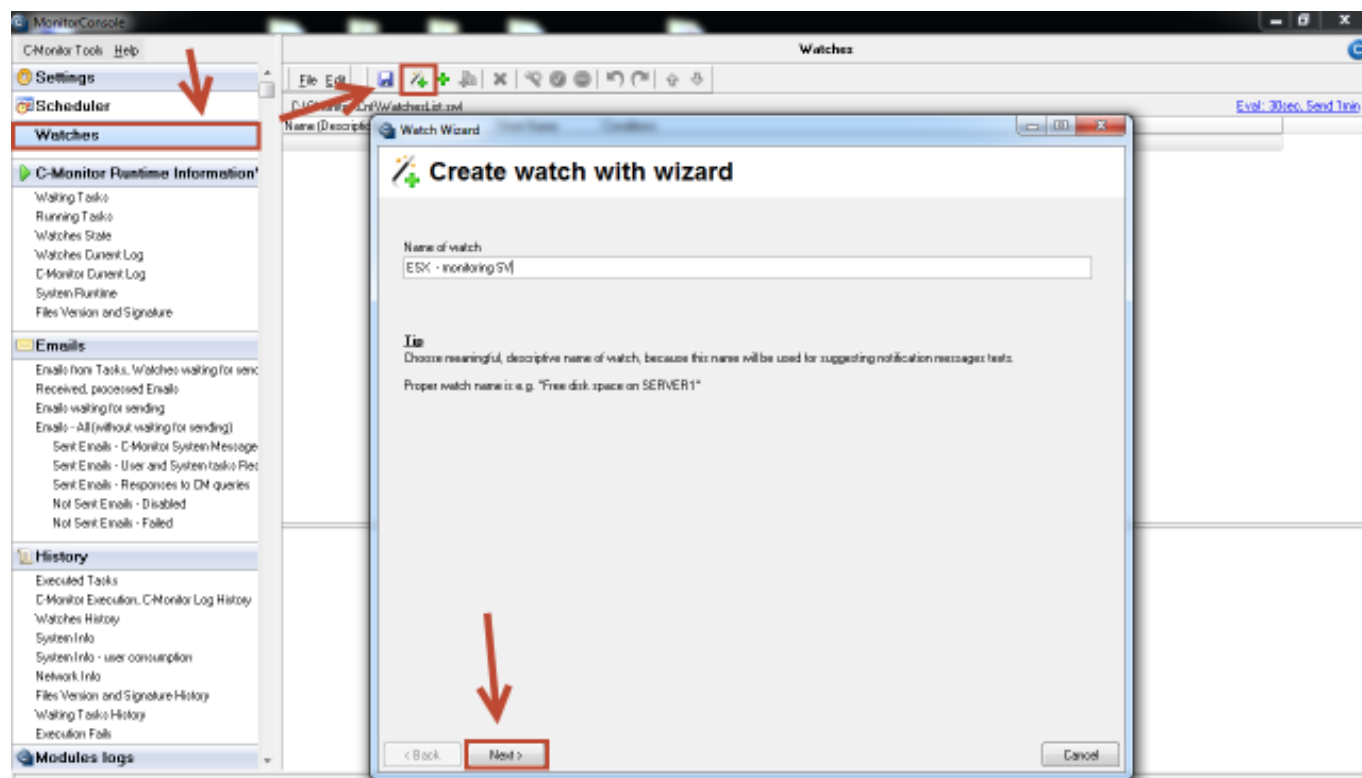


Image: Vytvorenie watchu pre monitoring ESX servera

Subsequently, select from the item *Preddefined health templates* a template called *VMware ESX health plugin*, as displayed on the next image.

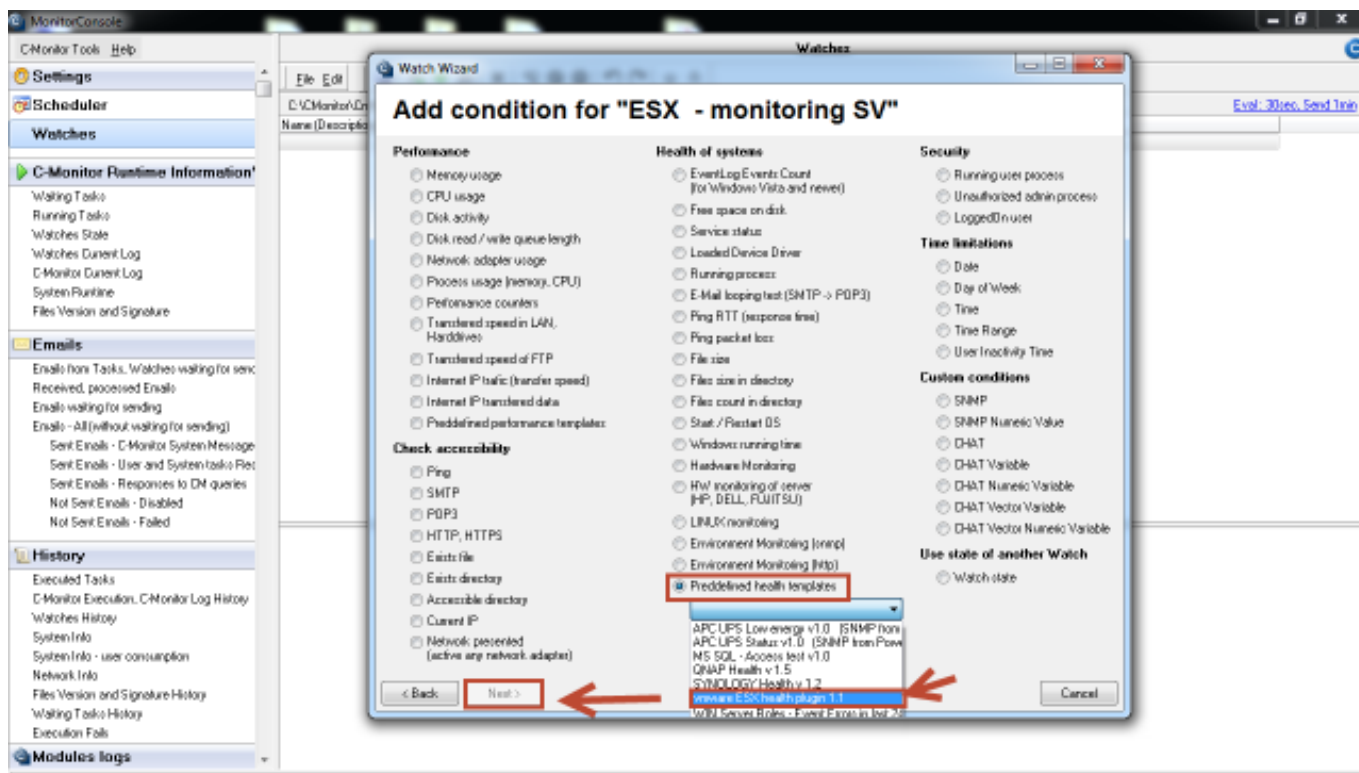


Image: Vyber preddefinovanej šablóny pre ESX plugin

In the next window, enter IP address and login data to the ESX server, then press the button *Test Edit Script*, by which you'll test function of communication between the ESX server and C-Monitor client.

**Watch Wizard**

### vmware ESX health plugin 1.1

Script Name  
vmware ESX health plugin 1.1]

Script

Parameter	Value
ESX(i)/vCenter server IP	192.168.1.1
ESX(i)/vCenter server user	root
ESX(i)/vCenter server pass	
Check hosts 'yellow' states	<input checked="" type="checkbox"/>
Check hosts 'red' states	<input checked="" type="checkbox"/>
Check health 'Fan'	<input checked="" type="checkbox"/>
Check health 'Other'	<input checked="" type="checkbox"/>
Check health 'Processors'	<input checked="" type="checkbox"/>
Check health 'Software Components'	<input checked="" type="checkbox"/>

Operation: Successful Test Period: 5 Unit: min

Value from this condition send to CM server  
☒ Always  
☐ Never

☐ Assess the state of watch

< Back Next > Cancel

Test, Edit Script

Image: Nastavenie IP adresy a prihlasovacích údajov do ESX servera + otestovanie funkčnosti

To launch the script, press the green arrow.

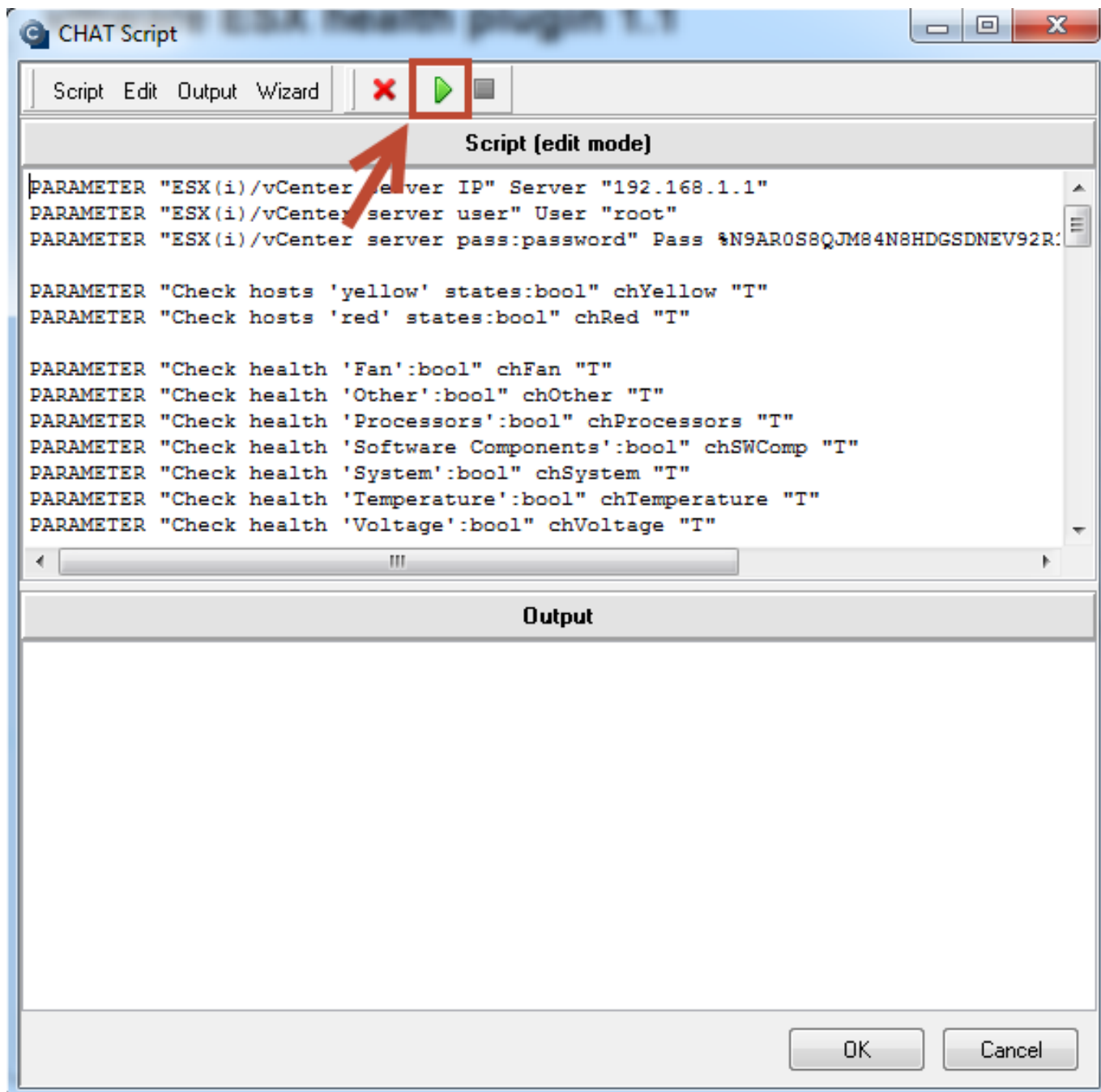


Image: Spustenie skriptu pre otestovanie funkčnosti vyhodnocovania parametrov ESX servera

Before the execution, you'll be prompted to sign the ESX plugin, a successful creation of the signature is displayed on the following image.

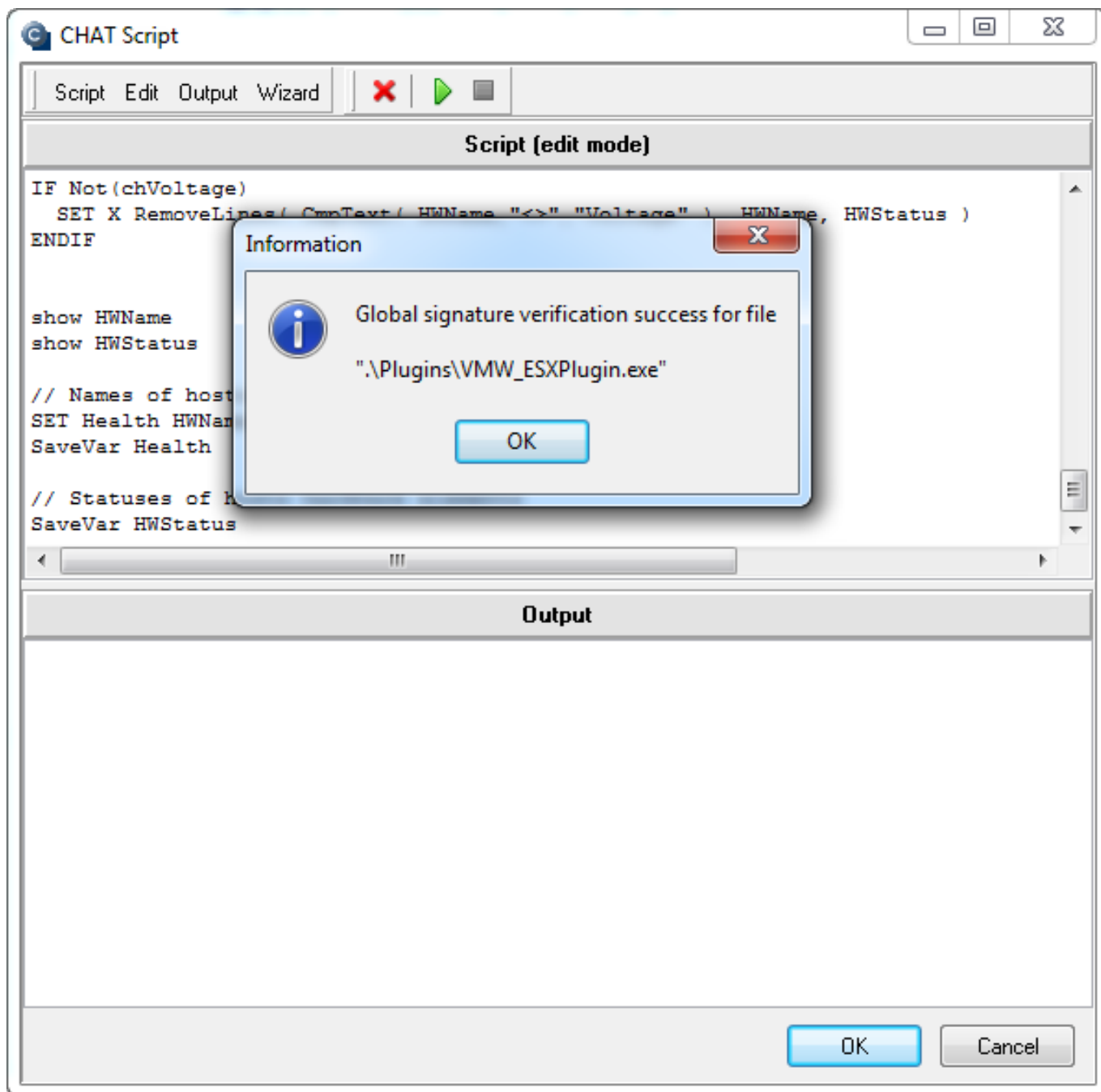


Image: Podpísanie spúšťacieho súboru pre ESX plugin

When the connection is successfully tested, press *Next*. In the next window you'll see a list of parameters, which the ESX plugin evaluates on ESX servers.

**Conditions for "ESX - monitoring SV"**

1	Successful CHAT vmware ESX health plugin 1.1 Check every 5min Each value will be sent to CM Server
2	CHAT Var. "Product" (Product) <> . Check on each watch state evaluation Each value will be sent to CM Server
3	CHAT Vect.Var. "Status[]" (HostStatus) = green Check on each watch state evaluation Each value will be sent to CM Server
4	CHAT Vect.Var. "Model[]" (HostHw) <> . Check on each watch state evaluation Each value will be sent to CM Server
5	CHAT Vect.Var. "Red[]" (HostRed) = none Check on each watch state evaluation Each value will be sent to CM Server
6	CHAT Vect.Var. "Yellow[]" (HostYellow) = none Check on each watch state evaluation Each value will be sent to CM Server
7	CHAT Vect.Var. "Upkeep[]" (HostUpkeep) = green

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 suppressing short term FAIL state)

Hide Advanced Options

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

☐ Evaluate watch state with longer period than 50s (C-Monitor Tick interval)

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

< Back **Next >** Skip Actions >> Cancel

Image: Zoznam parametrov, ktoré sa budú vyhodnocovať

In the next step, set actions that should be executed, in case the Watch is switched to Fail state.

The screenshot shows the 'Watch Wizard' window with the title 'Set a Start action for "ESX - monitoring SV"'. A checkbox is checked with the text: 'If state of the watch changes to FAIL, perform START action - execute task, display, log, send notifications...'. Below this, the 'Description of FAIL state' is set to 'Start 1'. The 'Enabled' checkbox is also checked. A configuration line states: 'If state of the watch changes to **FAIL** and is **FAIL** more than 0 Sec do:'. Below this line are several unchecked checkboxes: 'Execute Command Line', 'Display Message to User', 'Add Message to Log File', 'Add Message to EventLog', 'Send SMS (via CM server, must be supported by CM server)', and 'Send E-Mail to custom E-Mail Addresses'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'. A red arrow points to the 'Next >' button.

Image: Nastavenie akcií v prípade prechodu watchu do stavu fail

After passing through the whole wizard, press *Save*, as you can see on the next image.

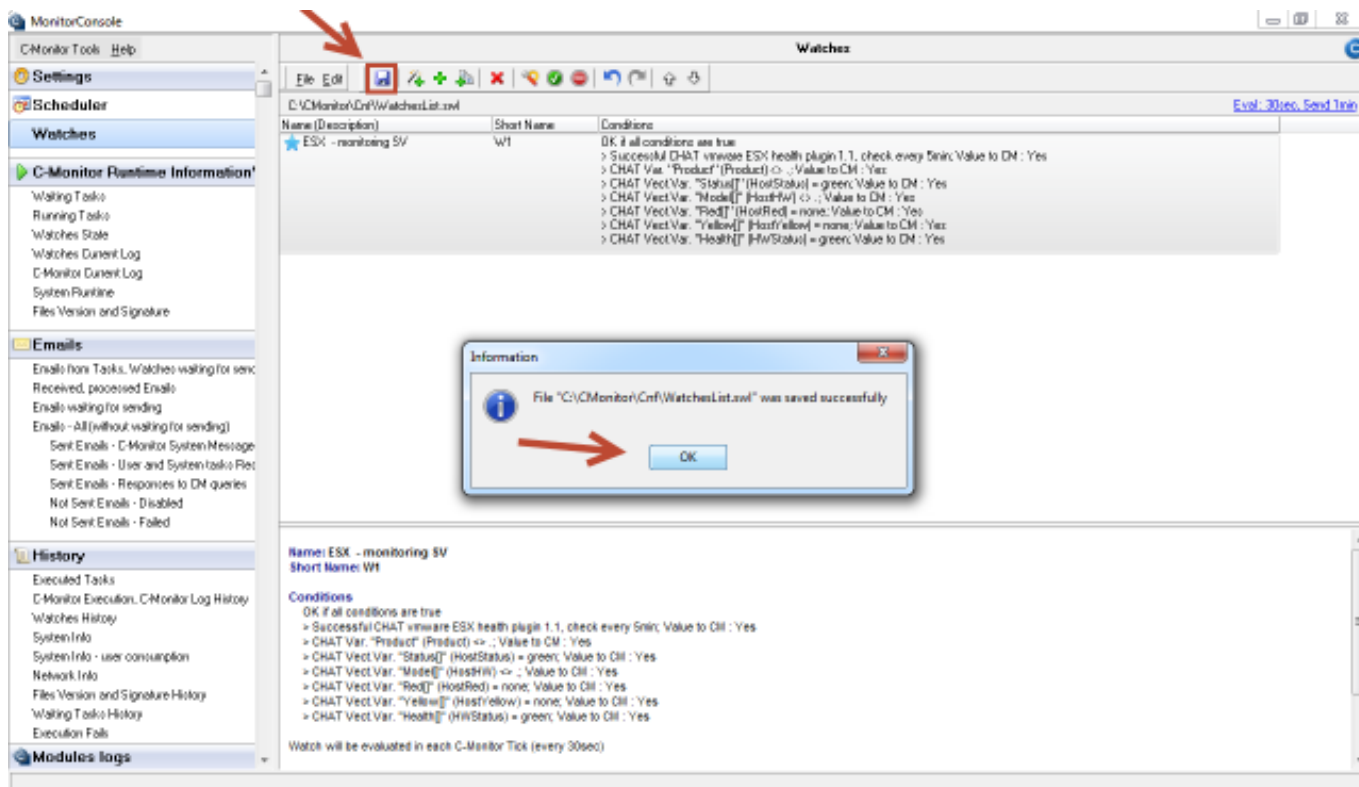


Image: Uloženie nastavení watchu

The current state of the Watch can be viewed through C-Monitor client in the section *Watch state*, as is shown on the next image.

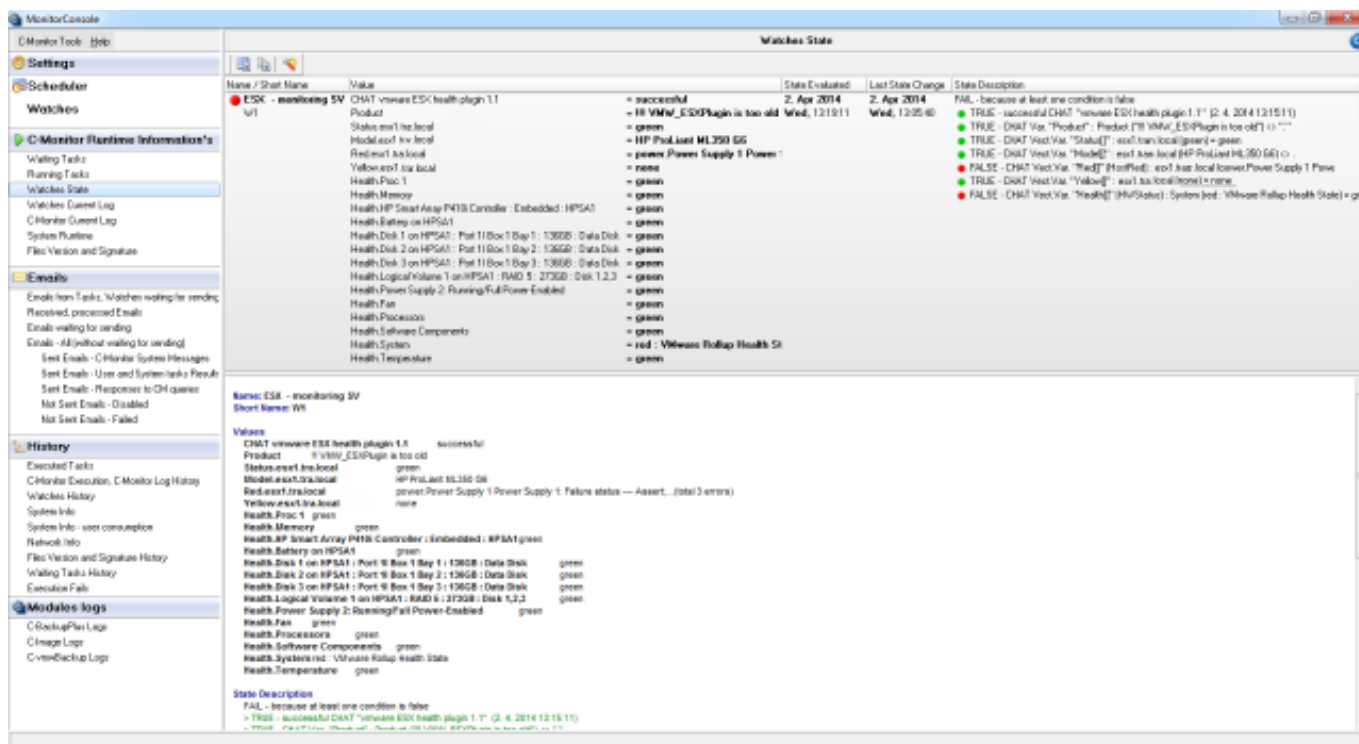


Image: Zobrazenie aktuálneho stavu watchu cez C-Monitor klienta

The Watch's state can be viewed also on CM portal, in the section *Presentation and Evaluation* -> *Presentation* -> *Watches (online monitoring)*.



**Watches (Online monitoring)**

Spoločnosť:  Počet & Umiestnenie:  Zoradiť podľa: CM-ID Zoradiť Watches podľa: Rozvrhu Zoradiť Watches ako: Vozbuje

Meno Watcha:  Current status:  Zoradiť ako: Vozbuje Zoradiť Watches ako: Vozbuje

Operator:  Zobrazit: Pod sebou ☐ True ☒ False ☐ Unknown ☐ Vymažte watche ☐ Len online PC

**Zoznam watches [zobrazení 1 položka]**

Stav	Meno	Hodnota	Posledná zmena stavu	Podmienky k určenia stavu	CM ID počítača	Meno počítača v sieti	Umiestnenie	Posl. online spojenie s CM
OK	ESX RA server plugin 1.1	CHAT ESX health over plugin 5.1 successfull Product VMware ESX 5.0 build-489512 Status.esx1.kb.local green Model.esx1.kb.local HP ProLiant DL380 G7 Red.esx1.kb.local none Yellow.esx1.kb.local none Health.Pric.1 green Health.Pric.2 green Health.Memory green Health.Power Supply 1: Running/Full Power-Enabled green Health.Power Supply 2: Running/Full Power-Enabled green Health.Fan green Health.Memory green Health.Processors green Health.Software Components green Health.Systems green Health.Temperature green	17. Mar 2014 16:25:30	OK - because all conditions are true TRUE - successfull (CHAT ESX health over plugin 1.1" (3. 4. 2014 6:25:30) TRUE - CHAT Var. "Product" "Product" ("VMware ESX 5.0 build-489512") == "VMware ESX 5.0 build-489512") TRUE - CHAT Vaci Var. "Status": must.kb.local (green) = green TRUE - CHAT Vaci Var. "Model": must.kb.local (HP ProLiant DL380 G7) <= - TRUE - CHAT Vaci Var. "Red": must.kb.local (none) = none TRUE - CHAT Vaci Var. "Yellow": must.kb.local (none) = none TRUE - CHAT Vaci Var. "Health": Pric.1 (green), Pric.2 (green), Memory (green), Power Supply 1: Running/Full Power-Enabled (green), Power Supply 2: Running/Full Power-Enabled (green), Fan (green), Memory (green), Processors (green), Software Components (green), System (green), Temperature (green) = green	8337V05	8337V05.R05	85 - Senecovka, Backup	3. Apr 2014 11:25:48

Image: Zobrazenie stavu ESX servera prostredníctvom CM portálu

Date:

02/17/2014