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.

R

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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.

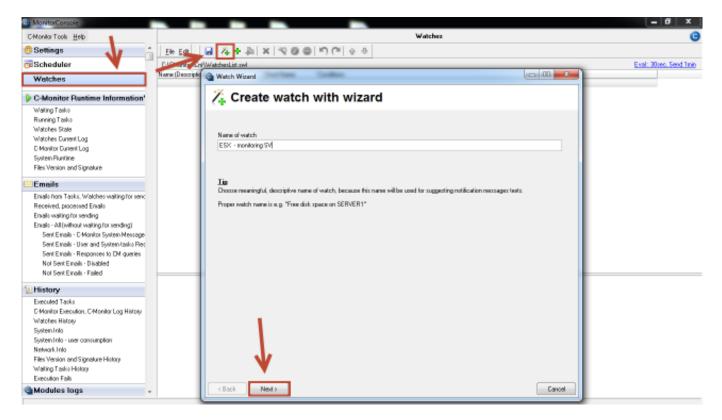


Image: Vytvorenie watchu pre monitoring ESX servera

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



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C-Monitor Tools Help			Walchez		
		Watch Wizard			-
Settings	<u>Elle Edit</u>	Watch Wizard			
Scheduler	E-VCMonitor/Lin	Add condition for "	ESX - monitoring SV"	1	Eval: 30ce
Watches	Name (Descriptio		•		
C-Monitor Runtime Information		Performance Nency urage	EventLog Events Count For Windows Visits and never()	C Running user process	
Wating Tatio Running Tatio Watches State Watches Durent Log C-Monitor Durent Log System Runkline		CPU usage Disk activity Disk read/write queue length Network adopter usage Process usage (nemop. CPU) Performance counters	 Free space on disk. Service status Loaded Device Driver Running process E-Mail looping text (SNTP -> P0P3) 	Unavificitized adminiprocess LoggedDinuser Time limitations Date Day of Week	
Files Version and Signature Emails		 Transferred speed in L4N, Harddives 	 Ping RTT (suppose first) Ping packet loss File size 	 Time Time Range User Inactivity Time 	
Envalo from Taska, Walcheo waiting fromen: Received, processed Envalo Envalo waiting for rending Envalo - All (without waiting for rending) Sent Envalo - C-Monitor System Nessage Sent Envalo - Oliver and System tasks Pier Sent Envalo - Reported to DM queries Not Sent Envalo - Disabled Not Sent Envalo - Disabled		Transfered speed of FTP Internet IP tracic (harder speed) Internet IP tracis end data Preddefreed performance templates Check accessibility Prog SMTP POP3 HTTP: HTTPS	Felix zone Filex zone in directory Filex zonet in directory Start / Prestert 05 Windows running time Hadware Monitoring HV monitoring HV monitoring of cerver IPP, DELL, PLUT SU) LINUX (nonitoring	Custon conditions StatP StatP DHAT CHAT Variable CHAT Variable CHAT Variable CHAT Vector Variable CHAT Vector Variable	
History		C Exists file	 Environment Manitoling (omp) Environment Manitoling (http) 	Use state of another Watch	
Executed Tasks C-Monitor Execution: C-Monitor Log History Watches History System Into System Into System Into Network Into Files Version and Signature History Washing Tasks History		Exists directory Accessible directory Cannel P Notwork potentiad (active any network adapted) Accessible directory Accessible directory	Enhance Paradong Page Preddelived health lengtates APC UPS Low energy v1.0 (SNMP hon APC UPS Statur V1.0 GNAP Health v1.5 STALL 001 (SNMP hon APC UPS APC UPS hon APC UPS APC APC UPS APC UPS APC UPS APC APC APC UPS APC APC	Le Carcal	

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.

cript Name		
mware ESX health plugin 1.1		
oript Parameter	Yalue	
SX(i)/vCenter server IP	192.168.1.1	i i
SX(i)/vCenter server user	root	
SX(i)/vCenter server pass		
heck hosts yellow' states		
Check hosts 'red' states	V V	
Check health 'Fan'		
Check health 'Other'	▼	
Check health 'Processors'	Image: A state of the state	
Check health 'Software Components'		-
peration Test Period Unit Successful 👻 5 min	•	Test, Edit Script
Value from this condition send Always	o CM server	
Never		
Assess the state of watch		

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

To launch the script, press the green arrow.

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CHAT Script
Script Edit Output Wizard 🛛 🗙 🕟 🔲
Script (edit mode)
PARAMETER "ESX(i)/vCenter e ver IP" Server "192.168.1.1"
PARAMETER "ESX(i)/vCenter server user" User "root"
PARAMETER "ESX(i)/vCenter server pass:password" Pass %N9AR0S8QJM84N8HDGSDNEV92R:
PARAMETER "Check hosts 'yellow' states:bool" chYellow "T"
PARAMETER "Check hosts 'red' states:bool" chRed "T"
PARAMETER "Check health 'Fan':bool" chFan "T"
PARAMETER "Check health 'Other':bool" chOther "T" PARAMETER "Check health 'Processors':bool" chProcessors "T"
PARAMETER "Check health 'Software Components':bool" chSWComp "T"
PARAMETER "Check health 'System':bool" chSystem "T"
PARAMETER "Check health 'Temperature':bool" chTemperature "T"
PARAMETER "Check health 'Voltage':bool" chVoltage "T" 💂
۲ الا الا الا الا الا الا الا الا الا ال
Output
OK Cancel

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.



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CHAT Script			23
Script Edit Output	Wizard 🔰 🗙 📄 🔲		
	Script (edit mode)		
		Status)	→ 4 III
	OK	Cance	el

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.



a . 1	14/-+-	L 14/	in and
5	watc	n vv	izard

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	
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 Most Mar "Hashkill" (Li) (Chatra) = groop	•
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)	
Hide Advanced Options	
If state of the watch is UNKNOWN, notify this by options in actions	
Evaluate watch state with longer period that sus (C-Monitor Tick interval)	
Note: Watches are active from 5atter 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.

Watch Wizard	
Set a Start action for "ESX - monitoring SV"	
If state of the watch changes to FAIL, perform START action - execute task, display, log, send notifications Description of FAIL state	
Start 1 🧐	
✓ Enabled If state of the watch changes to FAIL and is FAIL more than 0	
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)	
Send E-Mail to custom E-Mail Addresses	
< Back Next >	Cancel

Image: Nastavenie akcií v prípade prechudu watchu do stavu fail

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



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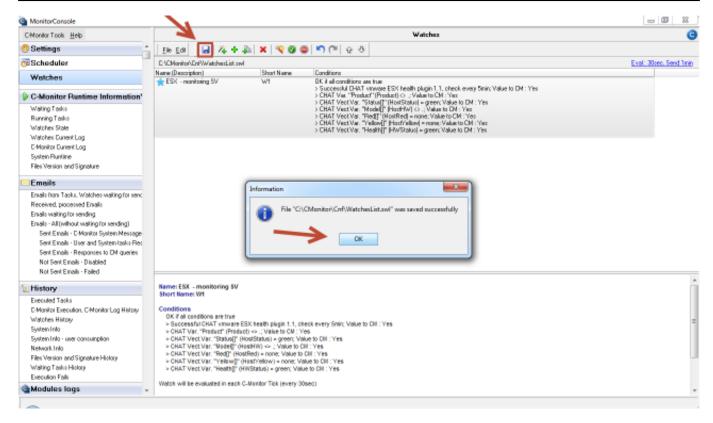


Image: Uloženie nastavení watchu

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.

			Watches State		
CMamilorToole <u>H</u> elp			Waxber star		
Settings	🖳 🗓 👒				
Scheduler	Name / Shot Name	Value	State Evolusia		
Watches	ESX - monitoring SV 1/1	CHAT vnewe ESK tealthplagin 1.1 Product Status envil the legal	 successful Z. Apr 2014 III VMV_ESOPlagin is too ald Wed, 12121 geren 	 Apr 2014 Wed, 120540 	FML - because at least the condition in false TRUE - reconciliated EMAT "remove EDA health plagin 1.1" (2.4. 2014 121511) TRUE - DMAT Vis. "Product": Product TR VMMLESPPagin in terroldT (0.1")
C Monitor Runtime Information's		Histel and twitten Redeval anional	- green - HP PoLiant ML250 66 - power Power Supply 1 Power :		 THUE - DIAT Vest Via "Statu(]": excl transitional(green) = green THUE - DIAT Vest Via "Statu(]": excl transitional(green) = green THUE - DIAT Vest Via "Model[": excl transitional (HP Publics (HLSB) 56) c) .
Waiting Tasks		Yelowers' tox local	= 0004		 FALSE - CHAT Week War, "Red]" Hortfled:: epil.hep.local.loover.Power Supple 1 Preve
Running Taska		Health Proc 1	- (2000)		TRUE - DART Vest Via: "Yelow]": wait ha local horsel = name
Watches State		Health.Memour	- Green		 FALSE - CHAT VectVia: "Neoth("(HWStatus): Sectors led: "Whose Ballap Health State)
Watches Eusent Log		Health HP Smart Anay PV10 Earlinder : Embedded : HPSA1	- green		
CHioniter Queent Leg		Health Battery on HPSA1	- Green		
System Pluntime		Health Disk 1 on H#SA1: Port 11Box 1 Bay 1: 13858 : Data Disk	= green		
Files Version and Signature		Health Disk 2 on HPSM1: Part 11 Box 1 Bay 2: 1365B : Data Disk	- green		
		Health Dink 3 on HPSA1: Port 11 Box 1 Bay 3: 13668 : Data Dink	= green		
Emails		HealthLogicalVolume 1 on HPSA1 : RAID 5 : 27360 : Dirk 1,2,3	- green		
Emplethan Tanks, Watchen waiting for sending		Health Parver Supply 2: Running/Full Power-Enabled	- Green		
Received, precented Email:		Health.Fan	- green		
		Health Processors	- grann		
Emails waiting for sending		Health Salkvare Companients	- green		
Emails - All (without waiting for sweding)		HealthSystem	- red : VMware Fiolisp Health St		
Sext Enails - Othoviur System Messages		Health Temperature	- Green		
Sent Emails - User and System tasks Result					
Sent Emails - Plesponses to DH queries	Name: ESK - monitoring				
Not Serk Emails - Disabled	Short Kame Wi	37			
Not Seek Englis - Failed					
	Values				
History	CHAT smovare EBX her Product 11/300	allin plugin 1.1 successful ESXPlugin is too old			
Executed T-arks	Status cast insideal	carried a los ou			
C-Monitor Execution, E-Monitor Log History	Model.exx1.tra.local	HP ProLast \$1,150 OK			
Watches History	Red.east.tra.local	prever.Prever Supply 1 Prever Supply 1: Failure atatus	Assert(btsi 3 errors)		
System Indu	Yellow.esct.tra.local	nane			
Sasten Inter-see consumption	Health.Proc 1 green				
	Realth Memory	prom P416 Castroller : Embedded : #P1A1green			
Network Info	Realth Battery on HPS				
Files Vesion and Signature History		1 Port 9 Box 1 Bay 1 (1300B) Data Disk green			
Waiting Taska History		1 : Port 10 Box 1 Bay 2 : 136GB : Data Dialk grean			
Execution Fails		1 : Port 18 Box 1 Bey 3 : 136GB : Data Disk grown			
Modules logs		1 on HPAA1 : RAD 6 : 37308 : Disk 1,3,3 green : Running/Fall Power-Enabled green			
CRastupPlasLace	Reallh.Fan green				
Closer Logo	Fealth Processors				
	Realth Software Comp				
C-vnivBackup Loga	Feath System red : Vo Realth Temperature	ware Rolup Health State			
	rears.temperature	green.			
	State Description				
	FAL - because at least a	me condition is fisiae NT "verware ESX health plugin 1.1" (2. 4. 2014 12:15:11)			

Image: Zobarazenie 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).*



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olation Restart obsite	Natches (Online r	monitoring)							? 0
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Image: Zobrazenie stavu ESX servera prostredníctvom CM portálu Date: 02/17/2014