check_esx3

command/subcommand matrix

cpu cpu ready cpu usage cpu wait cpu wait io io aborted io device io kernel io queue io read io read io read io read io resets io resets io write mem coveral mem menctl mem overhead mem overhead mem swappin mem swa	command	subcommand	VM	Host	DC	Description
cpu usage	cpu	-	0	0	0	overall CPU info (usage/usagemhz)
CPU usage (Mhz) CPU usage (Mhz) CPU usage (Mhz) CPU wait (ms) io io aborted io device io kernel io queue io queue io queue io queue io read io read io resets io gueue latency (ms) io with io usage io write io usage io write io with io w	cpu	ready	•			CPU ready (ms)
cpu wait io - io aborted io aborted io aborted io aborted io aborted io device io device io device io kernel io queue io read io read io read io read io read io write	cpu	usage	•	•	•	CPU usage (%)
io aborted io device io device io device io device io kernel io presets io queue io tread io usage io vrite ———————————————————————————————————	cpu	usagemhz	•	•	•	CPU usage (Mhz)
io aborted io device io device io device io kernel io queue io kernel io queue io read io read io resets io write io usage io write mem - mem - mem active mem memctl mem overall mem overall mem swap mem swapin mem swapin mem swapin mem suage mem usagemb mem usagemb mem usagemb mem usagemb net receive net send receive net send runtime runtime con runtime con runtime iste runtime iste runtime istatus runtime maintenance runtime status runtime maintenance runtime status runtime tools reverial storage reverse rever	cpu	wait	•			CPU wait (ms)
io aborted io device io device io device io kernel io kernel io queue io read io reads io resets io usage io write ———————————————————————————————————	io	_	0	0	0	all io info (aborted/device/kernel/gueue/read/write/resets)
io device io kernel io queue io kernel io queue io read io read io read io read io write io wage io write mem	io	aborted		•	•	·
io kernel io queue io queue io queue io read io read io read io reads io usage io write write	io	device		•	•	
io queue io read io read io resets io read io resets io resets io write - cal altency (ms) bus resets count overal disk usage (MB/s) mem active mem active mem memctl mem overhead mem overhead mem overhead mem swap mem swap mem swap mem swap mem swap mem swap mem usage mem u	io	kernel		•	•	- · · ·
io read io resets io usage io write				•	•	= ` '
io resets io usage io write mem		•		·	•	
io usage io write mem — O O O O all mem lnfo (memctl/swap/overhead/usage/usagemb) mem active mem memctl mem overall mem overhead mem swapin mem swapin mem swapout mem usage memory usage (NB) mem			•		•	- ' '
io write mem — O O O all mem info (memctl/swap/overhead/usage/usagemb) active mem usage (MB) mem memctl mem overall mem overall mem overhead mem swap mem swap mem swap mem swapin mem syapout mem usage (MB) memory usage (NB) memory usage (NB) memory usage (MB)				•	•	
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mem usage mem usage mem usage mem usage mem usagemb net - net nic net receive net send net usage net usa		-	•	•	•	
mem usage mem usage mem usagemb		-	•			
mem usagemb net -	mem	swapout	•			swapout mem usage (MB)
net -	mem	usage	•	•	•	memory usage (%)
net nic net receive net receive net send net usage net	mem	usagemb	•	•	•	memory usage (MB)
net receive net send net usage	net	-	0	0	0	all net info (nic/receive/send/usage)
net send net usage n	net	nic		0		checks status of all NICs which are member of a vSwitch
recommendations - recommendations (name) runtime - runtime con runtime consoleconnections runtime depu consoleconnections runtime bealth runtime lists runtime lists runtime lists runtime maintenance runtime mem runtime status runtime maintenance runtime runtime runtime runtime runtime runtime runtime ru	net	receive	•	•	•	receive in (Kbps)
recommendations -	net	send	•	•	•	send (Kbps)
recommendations (name) runtime - runtime con runtime consoleconnections runtime cpu runtime guest runtime issues runtime list runtime list runtime maintenance runtime mem runtime state runtime states	net	usage	•	•	•	overall network usage (Kbps)
runtime - O O O o all runtime info connections to VM connection state console connections to VM allocated CPU (Mhz) guest OS status, needs VMware Tools checks cpu/storage/memory/sensor status vectors to VM allocated CPU (Mhz) guest OS status, needs VMware Tools checks cpu/storage/memory/sensor status vectors to VM allocated CPU (Mhz) guest OS status, needs VMware Tools checks cpu/storage/memory/sensor status vectors ve	recommendations	_			•	all clusters recommendations
runtime con runtime consoleconnections runtime cpu runtime cpu runtime guest runtime issues runtime list runtime list runtime maintenance runtime state runt	recommendations	(name)			•	recommendations for cluster with name (name)
runtime consoleconnections runtime cpu runtime guest runtime health runtime issues runtime list runtime list runtime list runtime maintenance runtime state runtime status runtime maintenance runtime status runtime status runtime status runtime list runtime status runtime stat	runtime	_	0	0	0	all runtime info
runtime consoleconnections runtime cpu runtime guest runtime health runtime issues runtime list runtime list runtime list runtime list runtime list runtime sand their status runtime maintenance runtime state runtime status runtime list runtime status runtime list runtime status runtime list runtime status runtime list runtime list runtime status runtime list runtime list runtime list runtime list runtime status runtime list runt	runtime	con	0	0		connection state
runtime guest runtime health runtime issues runtime list runtime list runtime list runtime list runtime list runtime maintenance runtime state runtime status runtime tools service - service (names) storage adapter storage path runtime guest O guest OS status, needs VMware Tools checks cpu/storage/memory/sensor status list of VMware machines and their status list of VMware machines and their status list of VMware esx host servers and their status shows whether host is in maintenance mode allocated mem (MB) virtual machine state (UP, DOWN, SUSPENDED) overall host status (gray/green/red/yellow) VMWare Tools status service - O Show all services check state of one or several services spec. by (names) list host bus adapters in status "ONLINE" storage path O A list LUNS in operational status "ACTIVE" vmfs - O usage of all VMFS datastores	runtime	consoleconnections	•			console connections to VM
runtime guest runtime health runtime issues runtime list runtime list runtime list runtime list runtime list runtime maintenance runtime state runtime status runtime tools service - service (names) storage adapter storage path runtime guest O guest OS status, needs VMware Tools checks cpu/storage/memory/sensor status list of VMware machines and their status list of VMware machines and their status list of VMware esx host servers and their status shows whether host is in maintenance mode allocated mem (MB) virtual machine state (UP, DOWN, SUSPENDED) overall host status (gray/green/red/yellow) VMWare Tools status service - O Show all services check state of one or several services spec. by (names) list host bus adapters in status "ONLINE" storage path O A list LUNS in operational status "ACTIVE" vmfs - O usage of all VMFS datastores	runtime	cpu	0			allocated CPU (Mhz)
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runtime state runtime status runtime status runtime tools service - service (names) storage adapter storage path vmfs - O virtual machine state (UP, DOWN, SUSPENDED) overall host status (gray/green/red/yellow) VMWare Tools status services show all services check state of one or several services spec. by (names) list host bus adapters in status "ONLINE" list LUNS in operational status "OK" list multipath routes in status "ACTIVE" vmfs - O virtual machine state (UP, DOWN, SUSPENDED) overall host status (gray/green/red/yellow) VMWare Tools status status check state of one or several services spec. by (names) list host bus adapters in status "ONLINE" list multipath routes in status "ACTIVE"				O		
runtime status runtime tools O O O O O O O O O O O O O O O O O O						` '
runtime tools Service - Service (names) Storage adapter Storage path VmWare Tools status Show all services Show all services Check state of one or several services spec. by (names) List host bus adapters in status "ONLINE" List LUNS in operational status "OK" List multipath routes in status "ACTIVE" Vmfs - O VmWare Tools status Show all services List host bus adapters in status "OK" List multipath routes in status "ACTIVE" Vmfs - O Vmware Tools status Show all services List host bus adapters in status "ONLINE" List multipath routes in status "ACTIVE" Vmfs - O O Vmware Tools status Show all services List host bus adapters in status "ONLINE" List multipath routes in status "ACTIVE"				_	_	
service - O show all services check state of one or several services spec. by (names) storage adapter			_	O	-	1
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vmfs (name) ● Usage of VMFS datastore (name)		-		• 🛆	• 🛆	usage of all VMFS datastores
	vmfs	(name)		•	•	Usage of VMFS datastore (name)

O = no thresholds

based on check_esx3 version 0.5.0
(git commit 9b17d83db0bef0fa7137af50500dade82266077e)
www.op5.com

matrix version 0.5.0.6 03/2012 Simon Meggle, ConSol GmbH www.consol.de

^{• =} warn/crit thresholds available

 $[\]triangle$ = excluding possible with blacklist option -x