HPE Performance Cluster Manager Command Reference

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The cm command lines perform functions that are similar to, but not always identical to, legacy commands from SGI Management Suite and the HPE Insight Cluster Management Utility. The legacy commands are obsolete and can produce unexpected results on systems that run the HPE Performance Cluster Manager.

HPE Performance Cluster Manager cm command	Description	SGI Management Suite	HPE Insight Cluster Management Utility
cm aiops cooldev [disable enable restart start status stop]	Control AI monitoring of cooling devices (preview feature). Requires the cluster manager AIOps product to be installed.	NONE	NONE
cm chassis cmc firmware {show update}	Show or update firmware of a CMC	NONE	NONE
cm controller {add delete set show}	Add/show controllers, set controllers, delete controllers and associated nodes	NONE	NONE
cm cooldev {arcs cdu rdhx} {add delete show}	Add/delete/show CDU, ARCS cooling devices, or rear door heat exchanger	NONE	NONE
cm elk {gather passwd}	Gather data from kafka to elasticsearch, change elk password	NONE	NONE
cm fru show	Display detailed FRU information for nodes	NONE	NONE
cm group archived del NAME	Delete one or more archived groups	NONE	cmu_del_archived_custom_groups
cm group archived rename NAME NEW_NAME	Rename an archived group	NONE	cmu_rename_archived_custom_group
cm group archived show	Show archived groups	NONE	cmu_show_archived_custom_groups
cm group custom add [pdsh-group] [create] GROUP	Add a custom group and/or nodes to a custom group	NONE	cmu_add_custom_group cmu_change_custom_group
cm group custom del [rename NEW_NAME] [archive] [minduration TIME] GROUP [NODES]	Delete or archive custom groups, or delete nodes from a custom group	NONE	cmu_del_custom_group cmu_del_from_custom_group
cm group custom setpdsh-groups	Set custom group settings	NONE	NONE
cm group custom show [settings NAME]	Show all custom groups, settings, or nodes of a specific group	NONE	cmu_show_custom_groups
cm group custom unsetpdsh-groups	Unset custom group settings	NONE	NONE
cm group network add [pdsh-group] [create] GROUP	Add a network group and/or nodes to a network group	NONE	cmu_add_network_group cmu_change_network_group
cm group network del GROUP [NODES]	Delete network groups or nodes from a network group	NONE	cmu_del_network_group cmu_del from_network_group
cm group network setpdsh-groups	Set network group settings	NONE	NONE NONE
cm group network show [settings NAME]	Show all network groups, settings, or nodes of a specific group	NONE	cmu_show_network_groups
cm group network unsetpdsh-groups	Unset network group settings	NONE	NONE
cm group system show [NAMES]	Show all system groups or nodes of specific groups	cnodes {compute ice-compute leader ib-switch mgmt-switch switch-blade cmc pdu}	NONE
cm health	Run functional and performance tests on nodes, manage alerts	NONE	NONE
cm image capture	Capture an image from a node	cinstallmancreate-imagefrom-node	cmu_add_image_groupdevice { <device_name> diskless} cmu_capture_image</device_name>
cm image copy	Make a copy of an image.	cinstallmancreate-imageclone	create a new image with cmu_add_image_group and manually copy the old image to the new image group.
cm image create	Create a new image that can be deployed	cinstallmancreate-image	cmu_add_image_groupdevice autoinstall
cm image delete	Delete an image	cinstallmandel-image [del-nodes]	cmu_del_image_group
cm image dnf [-h] -i NAME [repos REPOLIST repo-group REPOGROUP] [duk]	Perform dnf operations on an image	cinstallmandnf-imageimage image [repos REPOLIST repo-group REPOGROUP] [duk]	NONE

cm monitoring native disable NODES Disable native HPCM monitoring either globally or per-node. Enable native HPCM monitoring either globally or per-node. NONE per-node disable not supported cmuserver.conf: CMU_MONITOI per-node enable not supported cmuserver.conf: CMU_MONITOI per-node enable not supported cmu_config_metrics -A cmu_config_metrics -A cmu_config_metrics -A cmu_config_metrics -A cmu_config_metrics -M cm monitoring native metrics dump cm monitoring native metrics dump Dump archived monitoring data Remove metric groups from HPCM native monitoring: AMS, NVIDIA, Moonshot Remove metric groups from HPCM native monitoring: AMS, NVIDIA, Moonshot Displays the latest available NATIVE monitoring sensors and alerts for the specified nodes and groups NONE mu_config_metrics -M -r cmu_config_metrics -M -r cmu_config_metrics -M -r cmu_config_metrics -M -r cmu_monstat				
con image revision commit Commit an image inhals the vendom control system Olete all stored revisions of an image, leaving just the working copy on image revision difficuntions Show which files diffie between an image and one of its revisions on image revision difficuntions Show which files diffie between an image and one of its revisions on image revision difficuntions on image revision difficuntions on image revision difficuntions on image revision difficultions on revision difficulties on revision difficultie	cm image recreate Delete an image or associated miniroot and recreates it.		cinstallmanrecreate {update-miniroot create-image}	NONE
on image revision delete Delete all stored revisions of an image, leaving just the working copy on image revision difficontents Show which files differ between an image and one of its revisions crimage revision difficontents Show which files differ between an image and one of its revisions crimage revision difficontents Show which files differ between to image and one of its revisions crimage revision difficontents Show which files differ between to image and one of its revisions crimage revision difficontents Show which files differ between to image and one of its revisions crimage revision difficontents Show which files differ between to image and one of its revisions crimage revision difficontents Show which files differ between to image and one of its revisions crimage revision difficontents Show which files differ between to image and one of its revisions crimage revision difficontents Show which files differ between to image and one of its revisions crimage revision difficontents Show which files differ between to image and one of its revisions crimage revision difficontents Show which files differ between to image and one of its revisions crimage revision difficontents Show which files differ between an image and one of its revisions crimage revision difficontents Crimage revision diffic	cm image refresh	Refresh an image	cinstallman {refresh-image refresh-bt}	NONE
orn image revision diff-contents Show which files differ between an image and one of its revisions orn image revision diff-centrations Show which files differ between two images or an image and the installed image [-revi] - indiff-cent NONE orn image revision diff inside of the between two images or an image and the installed image or an orde orn image revision diff inside of the between two images or an image and the installed image or an orde orn image revision diff orn image revision diff orn image revision history Show which files differ between two images or an image and the installed image or an orde orn image revision diff orn image revision history orn image revision history orn image revision history orn image show Show image properties orn image show Show image properties orn image publicser'	cm image revision commit	Commit an image into the version control system	cinstallmancomitimage [msg]	NONE
con image revision diff-versions Show which files differ between an image and one of its revisions on image revision diff Show which files differ between two images or an image and the installed image on a node on image revision history Show revision history for an image of image revision history Show revision history for an image of image revision history Show revision history for an image of image revision history Show revision history for an image of image revision history Show revision history for an image of image revision history Show revision history for an image of image revision history Show revision history for an image of image revision history Show revision history for an image of image revision history In image show Show image properties Strings prop	cm image revision delete	Delete all stored revisions of an image, leaving just the working copy	cinstallmandel-revisionsimage	NONE
con image revision diff Show which files differ between two images or an image and the installed image on a nade con image revision history Show image properties Set image revision history Con image set Set image properties Set image properties Cincilaliman—histor—image [-rev] Eduk) NONE can image set Show image properties Cincilaliman—how-image [-image MAGE -set* contailiman—how-image [-image MAGE -set* contailiman—himage MAGE -set* contailiman—himage [-image MAGE -set* contailiman—himage MAGE -set* contailiman—hima	cm image revision diff-contents	Show file content differences of an image and one of its revisions	cinstallmanidiffimage [rev] [diff-tool] [file]	NONE
commange revision instatory show version history show the provision history for an image and commander and manage in constallman - history—image [-rev] — kNNR commander version history for an image set set with the properties in the properties control	cm image revision diff-versions	Show which files differ between an image and one of its revisions	cinstallmanchangedimage [rev][cmp-tool]	NONE
con image revision revert	cm image revision diff	· ·	cinstallmandiffimage [node source][file]	NONE
cm image set Set image properties Show installman-image IMAGE -cross the properties of cintallarian-image IMAGE -cross the properties IMAGE -cross the properties IMAGE -cross the properties IMAGE -cross the pr	cm image revision history	Show revision history for an image	cinstallmanhistoryimage [rev]	NONE
con image set Set image properties con image show Show image properties Show image properties Con image unset Un-set image properties Un-set image Imag	cm image revision revert	Revert the working copy of image to a specific revision.	cinstallmanrevertimage [rev] [duk]	NONE
cm image show Show image properties chastalman—show-mages [-image IMAGE] chastalman—show-mage [-	cm image set	Set image properties	_	NONE
Con image unset Un-set image properties cinstallman—image IMAGE—unset* con inage yupdate update an image or its related elements update—miniroot —update-image] [repos REPOS] -repo-repose -repose	cm image show	Show image properties	cinstallmanshow-images [image IMAGE]	cmu_show_image_groups
cm image update Update an image or its related elements Update minage induste-image -update-image -update -update -update-image -update	cm image unset	Un-set image properties	cadminimage IMAGEunset*	NONE
Can image yum [-1] -i NAME [repos REPOLIST repo-group	cm image update	Update an image or its related elements	update-miniroot update-image] [repos REPOS repo-	NONE
REPOGROUP] [duk] cm monitoring alerta {disable enable restart status stop) Alerta disable, enable, restart, status, stop NONE NONE cm monitoring config port {set show} Sets/shows the port number of monitoring services NONE NONE cm monitoring dashboard grafana set Enable or disable Grafana dashboards NONE NONE cm monitoring ganglia {disable enable restart statu status stop) Eik disable, enable, restart, status, stop NONE NONE cm monitoring ganglia {disable enable restart status stop) Agriculture Sanglia disable, enable, restart, status, stop NONE cm monitoring ganglia {disable enable restart status stop) Agriculture Sanglia disable, enable, restart, status, stop NONE cm monitoring nagios {disable enable restart status stop) Nagios disable, enable, restart, status, stop NONE cm monitoring nagios {disable enable restart status stop) Nagios disable, enable, restart, status, stop NONE cm monitoring native disable NODES Disable native HPCM monitoring either globally or per-node. cm monitoring native metrics add Adds metric groups to HPCM native monitoring: AMS, NVIDIA, Moonshot cm monitoring native metrics dump Dump archived monitoring data cm monitoring native metrics remove Displays the latest available NATIVE monitoring sensors and alerts for the specified nodes and groups		Perform yum operations on an image	cinstallmanyum-imageimage image [repos REPOLIST	NONE
cm monitoring config port (set show)	cm image zypper -I NAME [repos REPOLIST repo-group	Perform zypper operations on an image	cinstallmanzypper-imageimage NAME [repos	NONE
cm monitoring config port (set show) Sets/shows the port number of monitoring services NONE NONE NONE NONE NONE NONE NONE NON				
cm monitoring dashboard grafana set cm monitoring elk (disable enable restart status stop) cm monitoring elk (disable enable restart status stop) cm monitoring ganglia (disable enable restart status stop) cm monitoring ganglia (disable enable restart status stop) cm monitoring kafka {disable enable restart status stop} cm monitoring hafka {disable enable restart status stop} cm monitoring nagios {disable enable restart status stop} cm monitoring nagios {disable enable restart status stop} cm monitoring native disable NODES Disable native HPCM monitoring either globally or per-node. monitoring native enable Enable native HPCM monitoring either globally or per-node. MONE none cmuserver.conf: CMU_MONITOI per-node disable not supported cmuserver.conf: CMU_MONITOI per-node disable not supported cmuserver.conf: CMU_MONITOI per-node enable not supported cmuconfig native metrics add Adds metric groups to HPCM native monitoring: AMS, NVIDIA, Moonshot monitoring native metrics dump Dump archived monitoring data cmu_config native metrics dump Dump archived monitoring data Remove metric groups from HPCM native monitoring: AMS, NVIDIA, Moonshot monitoring native metrics show Displays the latest available NATIVE monitoring sensors and alerts for the specified nodes and groups	cm monitoring alerta {disable enable restart start status stop}	Alerta disable, enable, restart, start, status, stop	NONE	NONE
cm monitoring elk {disable enable restart start status stop}	cm monitoring config port {set show}	Sets/shows the port number of monitoring services	NONE	NONE
cm monitoring ganglia (disable enable restart start status stop) cm monitoring kafka (disable enable restart start status stop) cm monitoring kafka (disable enable restart start status stop) cm monitoring nagios (disable enable restart start status stop) cm monitoring nagios (disable enable restart start status stop) cm monitoring nagios (disable enable restart status stop) cm monitoring native disable NODES Disable native HPCM monitoring either globally or per-node. monitoring native enable Enable native HPCM monitoring either globally or per-node. MONE Cmuserver.conf: CMU_MONITOl per-node disable not supported comuserver.conf: CMU_MONITOl per-node enable not supported comuserver.conf: CMU_MONITOl enable not supported enable not supported enable not supported comuserver.conf: CMU_MONITOl enable not supported en	cm monitoring dashboard grafana set	Enable or disable Grafana dashboards	NONE	NONE
cm monitoring kafka {disable enable restart status stop}	cm monitoring elk {disable enable restart start status stop}	Elk disable, enable, restart, start, status, stop	NONE	NONE
cm monitoring nagios {disable enable restart status stop} Nagios disable, enable, restart, status, stop NONE Cm monitoring native disable NODES Disable native HPCM monitoring either globally or per-node. NONE Cmuserver.conf: CMU_MONITOI per-node disable not supported cm monitoring native enable Enable native HPCM monitoring either globally or per-node. NONE Cmuserver.conf: CMU_MONITOI per-node disable not supported cmuserver.conf: CMU_MONITOI per-node. NONE Cmuserver.conf: CMU_MONITOI per-node. Cmuserver.conf: CMU_MONITOI per-node. Cmuserver.conf: CMU_MONITOI per-node. Cmuserver.conf: CMU_MONITOI per-node. NONE Cmuserver.conf: CMU_MONITOI per-node. NONE Cmuserver.conf: CMU_MONITOI per-node. NONE Cmuserver.conf: CMU_MONITOI per-node. Cmuserver.conf: CMU_MONITOI per-node. Cmuserver.conf: Cmuserver.conf: Cmuserver.conf. Cmuserver.conf. Cmuserver.conf. Cmuserver.conf. Cmuserver.conf. Cmuserver.conf. Cmuserver.conf. Cmuserver.conf. Cmuserver.conf. Cmuserv	cm monitoring ganglia {disable enable restart start status stop}	Ganglia disable, enable, restart, start, status, stop	NONE	NONE
cm monitoring native disable NODES Disable native HPCM monitoring either globally or per-node. NONE cmuserver.conf: CMU_MONITOI per-node disable not supported cmuserver.conf: CMU_MONITOI per-node disable not supported cmuserver.conf: CMU_MONITOI per-node enable Enable native HPCM monitoring either globally or per-node. NONE cmu_config_metrics -A cmu_config_metrics -A cmu_config_nvidia cmu config metrics -M cm monitoring native metrics dump Dump archived monitoring data NONE cm monitoring native metrics remove Remove metric groups from HPCM native monitoring: AMS, NVIDIA, Moonshot monitoring native metrics remove Displays the latest available NATIVE monitoring sensors and alerts for the specified nodes and groups NONE cmu_monitoring netrics -M -r cmu_monitoring netrics -M -r cmu_monitoring metrics -M -r	cm monitoring kafka {disable enable restart start status stop}	Kafka disable, enable, restart, start, status, stop	NONE	NONE
Cm monitoring native disable NODES Disable native HPCM monitoring either globally or per-node. MONE per-node disable not supported cmuserver.conf: CMU_MONITOI per-node enable not supported cmu config metrics -A cmu_config_metrics -A cmu_config_metrics -A cmu_config_nidia cmu config metrics -M cmu monitoring native metrics dump cm monitoring native metrics dump cm monitoring native metrics remove Dump archived monitoring data Remove metric groups from HPCM native monitoring: AMS, NVIDIA, Moonshot MONE Remove metric groups from HPCM native monitoring: AMS, NVIDIA, Moonshot Displays the latest available NATIVE monitoring sensors and alerts for the specified nodes and groups NONE cmu_monitoring cmu config_netrics -M -r cmu_config_netrics -M -r cmu_config_metrics -M -r cmu_monitoring metrics -M -r cmu_monitoring -m -r cmu_	cm monitoring nagios {disable enable restart start status stop}	Nagios disable, enable, restart, start, status, stop	NONE	NONE
Cm monitoring native disable NODES Disable native HPCM monitoring either globally or per-node. MONE per-node disable not supported cmuserver.conf: CMU_MONITOI per-node enable not supported cmu_config_metrics -A cmu_config_metrics -A cmu_config_metrics -A cmu_config_nidia cmu_config_metrics -M cmu_monitoring native metrics dump cm monitoring native metrics dump cm monitoring native metrics remove Dump archived monitoring data Remove metric groups from HPCM native monitoring: AMS, NVIDIA, Moonshot NONE n				
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Adds metric groups to HPCM native monitoring: AMS, NVIDIA, Moonshot Cmu_config_metrics -A cmu_config_nvidia cmu_config_metrics -M Cmu_config_metrics -M Cmu_config_metrics -M Cmu_config_metrics -M Cmu_config_metrics -M Cmu_config_metrics -M Cmu_config_metrics -A cmu_config_metrics -A Cmu_config_metrics -A Cmu_config_metrics -A Cmu_config_metrics -A Cmu_config_metrics -A -r cmu_config_metrics -	cm monitoring native enable	Enable native HPCM monitoring either globally or per-node.	NONE	cmuserver.conf: CMU_MONITORING=on per-node enable not supported
cm monitoring native metrics dump Dump archived monitoring data NONE cmu_monitoring_dump cm monitoring native metrics remove Remove metric groups from HPCM native monitoring: AMS, NVIDIA, Moonshot NONE cmu_config_metrics -A -r cmu_config_nvidia -r cmu_config_metrics -M -r cm monitoring native metrics show Displays the latest available NATIVE monitoring sensors and alerts for the specified nodes and groups NONE cmu_monstat	cm monitoring native metrics add	oring native metrics add		cmu_config_metrics -A cmu_config_nvidia
cm monitoring native metrics remove Remove metric groups from HPCM native monitoring: AMS, NVIDIA, Moonshot Moonshot Displays the latest available NATIVE monitoring sensors and alerts for the specified nodes and groups NONE cmu_config_nvidia -r cmu_config_metrics -M -r cmu_monstat	cm monitoring native metrics dump	Dump archived monitoring data	NONE	cmu_monitoring_dump
the specified nodes and groups	cm monitoring native metrics remove		NONE	cmu_config_nvidia -r
	cm monitoring native metrics show		NONE	cmu_monstat
cm monitoring native restart Restart native HPCM monitoring NONE cmu_restart_monitoring	cm monitoring native restart	Restart native HPCM monitoring	NONE	cmu_restart_monitoring

cm monitoring native start	Start native HPCM monitoring	NONE	cmu start monitoring
cm monitoring native stop	Stop native HPCM monitoring	NONE	cmu_stop_monitoring
on morning native step	otop native in em monitoring	NOTE:	oma_scop_momeoring
cm network	Add, delete, set, unset, and show network information	configure-cluster	NONE
cm node bios {reset set show}	Show, Set or Reset BIOS settings	NONE	conrep & GUI "Show BIOS Settings"
cm node console	Connect to the console of a node	console	cmu console
cm node delete	Delete one or more nodes by name or by cluster definition file	cadmindb-purge	cmu del node
and the state of t	Uses DHCP and PXE to discover the MAC and other information of one	NONE	NONE
cm node discover {add disable enable mkconfig status subnet}	or more servers and adds them into HPCM.	NONE	NONE
cm node dnf	Perform dnf operations on a node	NONE	NONE
and the second of the second o	Display firmware versions, BMC log entries, or update firmware		cmu_get_fw_versions & GUI "Update ->
cm node firmware {show status update}	components	csumtool	Update Firmware Inventory"
cm node nic	Add, delete, set, or show NICs	NONE	NONE
		cinstallmanassign-image	cmu clone
cm node provision	Provision an image to one or more nodes	cinstallmannext-boot	_
		cpower	cmu_autoinstall_node
cm node refresh netboot	Refresh the netboot configuration on one or more nodes	cinstallmanrefresh-netboot	NONE
cm node refresh rpms	Ensure all specified rpms are installed on one or more nodes	cinstallmanrefresh-node	NONE
cm node refresh secrets	Refresh the existing secrets on one or more nodes	NONE	/opt/cmu/tools/copy_ssh_keys.exp
cm node run	Run a command on one or more nodes and display output using	NONE	cmu_dsh
ciii ilode i dii	cm_pager	NONE	ciliu_usii
		 cadminnode NODESset*enable*	
cm node set	Set proprieties of one or more nodes, or global node properties	cinstallmannode NODESset*assign-imagekernel	cmu_mod_node
		chistainiannode NODESsetassign-imagekerner	
lcm node show	Show node properties	cnodes	cmu_show_nodes
cili flode show	Show hode properties	cadminnode NODESshow*	citiu_silow_flodes
cm node slot	Copy one slot to a new slot	clone-slot	NONE
cm node template	Preallocate node attributes for automatically discovered nodes on HPE	NONE	NONE
cin node template	Cray EX clusters	NONE	INOINE
cm node unset	Un-set properties of one or more nodes, or global node properties	cadminnode NODES {unset* disable*}	cmu_mod_node
cm node update config	Update node configuration settings	update-configs	NONE
cm node update rpms	Update the existing rpms on one or more nodes	cinstallmanupdate-node	NONE
cm node yum	Perform yum operations on a node	cinstallmanyum-node	NONE
cm node zypper	Perfrom zypper operations on a node	cinstallmanzypper-node	NONE
	Issue power requests to nodes. Requests include:		
cm power	on/off/status/halt/shutdown/reboot/hard_reboot/reset/press/uid_on	cpower	cmu_power
	/uid_off		
cm repo add [custom REPO_NAME] PATH	Add a repository	crepo –add PATH [–custom REPO_NAME]	NONE
cm repo del NAME	Delete a repository	crepo –del NAME	NONE
cm repo group add NAME [repos]	Add repositories to a group or create a repository group	crepo –add-group NAME [REPO_NAME]	NONE
cm repo group del NAME [repos]	Remove repositories from a group or delete a repository group	crepo –del-group NAME [REPO_NAME]	NONE
cm repo group show	Show all repository groups or details on a specific group	crepo –show-group [REPO_NAME]	NONE
cm repo reexport	Re-export all repositories with yume.	creporeexport	NONE
cm repo refresh NAME	Refresh repository metadata	crepo –refresh NAME	NONE
cm repo select NAME	Mark a repository as selected	crepo –select NAME	NONE
cm repo show [distros source]	Show available repositories	crepo [show-distro show-updateurls show]	NONE
cm repo unselect NAME	Mark a repository as not selected	crepo –unselect NAME	NONE
cm sim	Manage service infrastructure monitoring	NONE	NONE