



ESXCLI Commands

7.0.0



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esxcli system Commands

Command	Description	Options Help
system account add	Create a new local user account.	<p>--description -d User description, e.g. full name.</p> <p>--id -i User ID, e.g. "administrator". (required)</p> <p>--password -p User password. (secret)</p> <p>--password-confirmation -c Password confirmation. Required if password is specified. (secret)</p> <p>--help Show the help message.</p>
system account list	List local user accounts.	<p>--help Show the help message.</p>
system account remove	Remove an existing local user account.	<p>--id -i ID of user to be removed. (required)</p> <p>--help Show the help message.</p>
system account set	Modify an existing local user account.	<p>--description -d User description, e.g. full name.</p> <p>--id -i User ID, e.g. "administrator". (required)</p> <p>--password -p User password. (secret)</p> <p>--password-confirmation -c Password confirmation. Required if password is specified. (secret)</p> <p>--help Show the help message.</p>
system auditrecords get	Information about audit record recording.	<p>--help Show the help message.</p>
system auditrecords local disable	Disable audit record recording.	<p>--help Show the help message.</p>
system auditrecords local enable	Enable audit record recording.	<p>--directory The audit log directory.</p> <p>--help Show the help message.</p>
system auditrecords local set	Configure audit record recording.	<p>--directory The audit log directory.</p> <p>--size The size of the audit log (in KiB). (required)</p> <p>--help Show the help message.</p>
system auditrecords remote disable	Disable audit record handling for remote hosts.	<p>--help Show the help message.</p>
system auditrecords remote enable	Enable audit record handling for remote hosts.	<p>--directory The audit log directory.</p> <p>--help Show the help message.</p>
system boot device get	Get the systems boot device.	<p>--help Show the help message.</p>
system clock get	Display the current system clock parameters.	<p>--help Show the help message.</p>

system clock set	Set system clock parameters.	--max-neg-phase -n max negative phase correction --max-phase-corrections -m max number of phase corrections --max-pos-phase -p max positive phase correction --help Show the help message.
system coredump file add	Create a VMkernel Dump VMFS file for this system.	--auto -a Automatically create a file if none found and autoCreateDumpFile kernel option is set. --datastore -d Manually specify the datastore the Dump File is created in. If not provided, a datastore of sufficient size will be automatically chosen. --enable -e Enable diagnostic file after creation. --file -f Manually specify the file name of the created Dump File. If not provided, a unique name will be chosen. --size -s Manually set the size in MB of the created Dump File. If not provided, a default size for the current machine will be calculated. --help Show the help message.
system coredump file get	Get the dump file path. This command will print the path to the active and/or configured VMFS Dump File.	--help Show the help message.
system coredump file list	List the active and configured VMFS Diagnostic Files.	--help Show the help message.
system coredump file remove	Remove a VMkernel Dump VMFS file from this system.	--file -f Specify the file name of the Dump File to be removed. If not given, the configured dump file will be removed. --force -F Deactivate and unconfigure the dump file being removed. This option is required if the file is active. --help Show the help message.
system coredump file set	Set the active and configured VMkernel Dump VMFS file for this system.	--enable -e Enable or disable the VMkernel dump file. This option cannot be specified when unconfiguring the dump file. --path -p The path of the VMFS Dump File to use. This must be a pre-allocated file. --smart -s This flag can be used only with --enable=true. It will cause the file to be selected using the smart selection algorithm. --unconfigure -u Unconfigure the current VMFS Dump file. --help Show the help message.
system coredump network check	Check the status of the configured network dump server	--help Show the help message.
system coredump network get	Get the currently configured parameters for network coredump, if enabled.	--help Show the help message.
system coredump network set	Set the parameters used for network core dump	--enable -e Enable network dump. This option cannot be specified when setting the dump parameters below. --interface-name -v An active interface to be used for the network core dump. Required option when setting dump parameters. --server-ip -j IP address of the core dump server (IPv4 or IPv6). Required when setting dump parameters. --server-ipv4 -i IPv4 address of the core dump server.(deprecated, use -j --server-ip instead) --server-port -o

		<p>maintenance mode. noAction: Do not move vSAN data out of the disk before entering maintenance mode.</p> <p>--help Show the help message.</p>
system module get	Show information for a VMkernel module.	<p>--module -m The name of the VMkernel module. (required)</p> <p>--help Show the help message.</p>
system module list	List the VMkernel modules that the system knows about.	<p>--enabled -e List the enabled / disabled VMkernel modules and device drivers.</p> <p>--loaded -l List the loaded / not loaded VMkernel modules and device drivers.</p> <p>--help Show the help message.</p>
system module load	Load a VMkernel module with the given name if it is enabled. If the module is disabled then the use of --force is required to load the module.	<p>--force -f Ignore the enabled/disabled state of this module and force it to load.</p> <p>--module -m The name of the VMkernel module to load. (required)</p> <p>--help Show the help message.</p>
system module set	Allow enabling and disabling of a VMkernel module.	<p>--enabled -e Set to true to enable the module, set to false to disable the module. (required)</p> <p>--force -f Skip VMkernel module validity checks and set options for a module (or alias) with the given name.</p> <p>--module -m The name of the VMkernel module to set options for. (required)</p> <p>--help Show the help message.</p>
system module parameters clear	Clear the load time parameters for a given VMkernel module.	<p>--module -m The name of the VMkernel module to clear parameters for. (required)</p> <p>--help Show the help message.</p>
system module parameters copy	Copy the load time parameters from one VMkernel module to another.	<p>--force -f Skip VMkernel module validity checks for the source VMkernel module.</p> <p>--parameter-keys -p Parameter key that should get copied. (required)</p> <p>--source -s The name of the source VMkernel module. (required)</p> <p>--target -t The name of the target VMkernel module. (required)</p> <p>--help Show the help message.</p>
system module parameters list	List the parameters, a descriptions of each parameter supported for a given module name and the user defined value for each parameter.	<p>--module -m The name of the VMkernel module to get the option string for. (required)</p> <p>--help Show the help message.</p>
system module parameters set	Set the load time parameters for the given VMkernel module.	<p>--append -a Append the specified parameter string to the currently configured parameter string for the VMkernel module. If --append is not specified, the parameter string currently configured for the VMkernel module will be replaced by the specified parameter string.</p> <p>--force -f Skip VMkernel module validity checks and set parameters for a module (or alias) with the given name.</p> <p>--module -m The name of the VMkernel module to set parameters for. (required)</p> <p>--parameter-string -p The string containing the parameters for this module. (required)</p> <p>--help Show the help message.</p>
system ntp get	Display Network Time Protocol configuration	<p>--help Show the help message.</p>

system ntp set	Configures the ESX Network Time Protocol agent.	--enabled -e Start or stop ntpd. Values: [yes no, true false, 0 1] --loglevel -l Syslog logging level: debug: Most detailed logging level. error: Least detailed logging, Reports only errors. info: Reports normal actions in addition to warnings, events. warning: Reports only warnings or errors. --reset -r Restore the NTP configuration to factory defaults. --server -s Provide one or more NTP servers as a fully qualified domain name or IP address. --help Show the help message.
system ntp config get	Display Network Time Protocol configuration.	--help Show the help message.
system permission list	List permissions defined on the host.	--help Show the help message.
system permission set	Set permission for a user or group.	--group -g Specifies that the supplied ID refers to a group. ESXi local groups are not supported. --id -i ID of user or group. Domain users or groups should be specified as "DOMAIN\user_name" or "DOMAIN\group_name". (required) --role -r Name of role that specifies user access rights. Admin: Full access rights NoAccess: Used for restricting granted access. E.g. to deny access for some user whose group already has access. ReadOnly: See details of objects, but not make changes (required) --help Show the help message.
system permission unset	Remove permission for a user or group.	--group -g Specifies that the supplied ID refers to a group. --id -i ID of user or group. (required) --help Show the help message.
system process list	List the VMkernel UserWorld processes currently on the host.	--help Show the help message.
system process stats load get	System load average over the last 1, 5 and 15 minutes.	--help Show the help message.
system process stats running get	Number of currently running processes.	--help Show the help message.
system ptp get	Display Precision Time Protocol configuration	--help Show the help message.
system ptp set	Configures the ESX Precision Time Protocol agent.	--enabled -e Start or stop ptpd. Values: [yes no, true false, 0 1] --loglevel -l Syslog logging level: [debug, info, warning, error] --reset -r Restore the PTP configuration to factory defaults --help Show the help message.
system ptp stats get	Report operational state of Precision Time Protocol Daemon	--help Show the help message.
system secpolicy domain list	List the enforcement level for each domain.	--help Show the help message.
system secpolicy domain set	Set the enforcement level for a domain in the system. Any option specified here	--all-domains -a All domains. --level -l The enforcement level. (required) --name -n The domain name.

	is not persistent and will not survive a reboot of the system.	--help Show the help message.
system security certificatestore add	Add a new CA certificate to the CA certificate store.	--filename -f Absolute path to certificate file in PEM format, located on the ESXi host. (required) --help Show the help message.
system security certificatestore list	List all certificates in the CA certificate store.	--help Show the help message.
system security certificatestore remove	Remove a certificate from the CA certificate store.	--filename -f Absolute path to the file in PEM format, located on the ESXi host, describing the certificate to be removed. --issuer -i Issuer name of the certificate to be removed. Also requires --serial. --serial -s Serial number of the certificate to be removed. Also requires --issuer. --help Show the help message.
system security fips140 rhttpsproxy get	Get FIPS140 mode of rhttpsproxy.	--help Show the help message.
system security fips140 rhttpsproxy set	Set FIPS140 mode of rhttpsproxy.	--enable -e Enable/disable FIPS140 mode for rhttpsproxy. (required) --help Show the help message.
system security fips140 ssh get	Get FIPS140 mode of ssh.	--help Show the help message.
system security fips140 ssh set	Set FIPS140 mode of ssh.	--enable -e Enable/disable FIPS140 mode for ssh. (required) --help Show the help message.
system settings advanced add	Add a user defined advanced option to the /UserVars/ advanced option tree.	--description -d Description of the new option. (required) --hidden -H Whether the option is hidden. --int-default -i The default value of the new option (integer option only, required). --max -M The maximum allowed value (integer option only, required). --min -m The minimum allowed value (integer option only, required). --option -o The name of the new option. Valid characters: letters, digits and underscore. (required) --string-default -s The default value of the new option (string option only). An empty string is assumed if not specified. --type -t The type of the new option. Supported values: integer: Advanced option with integer value. string: Advanced option with string value. (required) --help Show the help message.
system settings advanced list	List the advanced options available from the VMkernel.	--delta -d Only display options whose values differ from their default. --option -o Only get the information for a single VMkernel advanced option. --tree -t Limit the list of advanced option to a specific sub tree. --help Show the help message.
system settings advanced remove	Remove a user defined advanced option from the /UserVars/ advanced option tree.	--option -o The name of the option to remove (without the /UserVars/ prefix as it is implied). (required) --help Show the help message.
system settings advanced set	Set the value of an advanced option.	--default -d Reset the option to its default value. --int-value -i If the option is an integer value use this option.

		<div><div>--option -o</div><div>The name of the option to set the value of. Example: "/Misc/HostName" (required)</div><div>--string-value -s</div><div>If the option is a string use this option.</div><div>--help</div><div>Show the help message.</div></div>
system settings kernel list	List VMkernel kernel settings.	<div><div>--delta -d</div><div>Only display options whose values differ from their default.</div><div>--option -o</div><div>The name of the VMkernel kernel setting to get.</div><div>--help</div><div>Show the help message.</div></div>
system settings kernel set	Set a VMKernel setting.	<div><div>--setting -s</div><div>The name of the VMKernel setting to set. (required)</div><div>--value -v</div><div>The value to set the setting to. (required)</div><div>--help</div><div>Show the help message.</div></div>
system settings keyboard layout get	Get the keyboard layout	<div><div>--help</div><div>Show the help message.</div></div>
system settings keyboard layout list	List the keyboard layout	<div><div>--help</div><div>Show the help message.</div></div>
system settings keyboard layout set	Set the keyboard layout	<div><div>--layout -l</div><div>The name of the layout to set</div><div>--no-persist</div><div>Only apply this layout for the current boot</div><div>--help</div><div>Show the help message.</div></div>
system shutdown poweroff	Power off the system. The host must be in maintenance mode.	<div><div>--delay -d</div><div>Delay interval in seconds</div><div>--reason -r</div><div>Reason for performing the operation (required)</div><div>--help</div><div>Show the help message.</div></div>
system shutdown reboot	Reboot the system. The host must be in maintenance mode.	<div><div>--delay -d</div><div>Delay interval in seconds</div><div>--reason -r</div><div>Reason for performing the operation (required)</div><div>--help</div><div>Show the help message.</div></div>
system slp search	Perform SLP search for neighboring services	<div><div>--node -n</div><div>Optional, host FQDN or IP address to connect to. Use -P to control protocol used.</div><div>--port -p</div><div>Optional, override the default port value 427.</div><div>--protocol -P</div><div>Optional, override unicast protocol: [tcp, udp], default tcp, requires -n.</div><div>--service -s</div><div>Optional, the service name to search for. Defaults to 'service-agent'.</div><div>--help</div><div>Show the help message.</div></div>
system slp stats get	Report operational state of Service Location Protocol Daemon	<div><div>--help</div><div>Show the help message.</div></div>
system snmp get	Get SNMP Agent configuration	<div><div>--help</div><div>Show the help message.</div></div>
system snmp hash	Generate localized hash values based on this agents snmp engine id.	<div><div>--auth-hash -A</div><div>Secret to use when generating authentication hash. This should be a filename unless --raw-secret is specified. The authentication hash is used in the --users option of 'esxcli system snmp set' (required secret)</div><div>--priv-hash -X</div><div>Secret to use when generating privacy hash. This should be a filename unless --raw-secret is specified. The privacy hash is used in the --users option of 'esxcli system snmp set'. (secret)</div><div>--raw-secret -r</div><div>Make --auth-hash and --priv-hash options read raw secret from command line instead of file.</div><div>--help</div><div>Show the help message.</div></div>

system snmp set	This command allows the user to set up ESX SNMP agent.	<p>--authentication -a Set default authentication protocol. Values: none, SHA1</p> <p>--communities -c Set up to ten communities each no more than 64 characters. Format is: community1[,community2,...] (this overwrites previous settings)</p> <p>--enable -e Start or stop SNMP service. Values: [yes no, true false, 0 1]</p> <p>--engineid -E Set SNMPv3 engine id. Must be at least 10 to 32 hexadecimal characters. 0x or 0X is stripped if found as well as colons (:)</p> <p>--hwsrc -y Where to source hardware events from IPMI sensors or CIM Indications. One of: indications sensors</p> <p>--largestorage -s Support large storage for hrStorageAllocationUnits * hrStorageSize. Values: [yes no, true false, 0 1]. Control how the agent reports hrStorageAllocationUnits, hrStorageSize and hrStorageUsed in hrStorageTable. Setting this directive to 1 to support large storage with small allocation units, the agent re-calculates these values so they all fit Integer32 and hrStorageAllocationUnits * hrStorageSize gives real size of the storage (Note: hrStorageAllocationUnits will not be real allocation units if real hrStorageSize won't fit into Integer32). Setting this directive to 0 turns off this calculation and the agent reports real hrStorageAllocationUnits, but it might report wrong hrStorageSize for large storage because the value won't fit into Integer32.</p> <p>--loglevel -l System Agent syslog logging level: debug info warning error</p> <p>--notraps -n Comma separated list of trap oids for traps not to be sent by agent. Use value 'reset' to clear setting</p> <p>--port -p Set UDP port to poll snmp agent on. The default is udp/161. May not use ports 32768 to 40959</p> <p>--privacy -x Set default privacy protocol. Values: none, AES128</p> <p>--remote-users -R Set up to five inform user ids. Format is: user/auth-proto/- auth-hash/priv-proto/- priv-hash/engine-id[,...] Where user is 32 chars max. auth-proto is none SHA1, priv-proto is none AES. '-' indicates no hash. engine-id is hex string '0x0-9a-f' up to 32 chars max.</p> <p>--reset -r Return agent configuration to factory defaults</p> <p>--syscontact -C System contact string as presented in sysContact.0. Up to 255 characters</p> <p>--syslocation -L System location string as presented in sysLocation.0. Up to 255 characters.</p> <p>--targets -t Set up to three targets to send SNMPv1 traps to. Format is: ip-or-hostname[@port]/community[,...] The default port is udp/162. (this overwrites previous settings)</p> <p>--users -u Set up to five local users. Format is: user/- auth-hash/- priv-hash/model[,...] Where user is 32 chars max. '-' indicates no hash. Model is one of (none auth priv).</p> <p>--v3targets -i Set up to three SNMPv3 notification targets. Format is: ip-or-hostname[@port]/remote-user/security-level/trap inform[,...].</p> <p>--help Show the help message.</p>
system snmp test	Verify ESX SNMP notifications can be delivered to target destinations.	<p>--auth-hash -A Optionally test authentication secret generates matching hash for user</p> <p>--priv-hash -X Optionally test privacy secret generates matching hash for user</p> <p>--raw-secret -r Make -A and -X flags read raw secret from command line instead of file.</p> <p>--user -u Validate a given SNMPv3 user name exists</p> <p>--help Show the help message.</p>
system stats installtime get	Display the date and time when this system was first installed. Value will not change on subsequent updates.	<p>--help Show the help message.</p>
system stats uptime get	Display the number of microseconds the system has been running.	<p>--help Show the help message.</p>

system syslog mark	Issue a message to all outputs.	--message -s The message to issue. (required) --help Show the help message.
system syslog reload	Reload the log daemon to apply any new configuration options.	--help Show the help message.
system syslog config get	Show the current global configuration values.	--help Show the help message.
system syslog config set	Set global log configuration options.	--check-ssl-certs Verify remote SSL certificates against the local CA Store. --crl-check Check revocation status of all the certificates in SSL certificate chain. --default-rotate Default number of rotated local logs to keep. --default-size Default size of local logs before rotation, in KiB. --default-timeout Default network retry timeout in seconds if a remote server fails to respond. --drop-log-rotate Number of rotated dropped log files to keep. --drop-log-size Size of dropped log file before rotation, in KiB. --logdir The directory to output local logs to. --logdir-unique Place logs in a unique subdirectory of logdir, based on hostname. --loghost The remote host(s) to send logs to. --queue-drop-mark Message queue capacity after which messages are dropped. --reset Reset values to default. --x509-strict Strict X.509 compliance when checking SSL certificates. --help Show the help message.
system syslog config logger list	Show the currently configured sub-loggers.	--help Show the help message.
system syslog config logger set	Set configuration options for a specific sub-logger.	--id The id of the logger to configure. (required) --reset Reset values to default. --rotate Number of rotated logs to keep for a specific logger (requires --id). --size Set size of logs before rotation for a specific logger, in KiB (requires --id). --help Show the help message.
system time get	Disply the current system time.	--help Show the help message.
system time set	Set the system clock time. Any missing parameters will default to the current time	--day -d Day --hour -H Hour --min -m Minute --month -M Month --sec -s Second --year -y Year --help Show the help message.
system uuid get	Get the system UUID.	--help Show the help message.

system version get	Display the product name, version and build information.	--alternate -a Report version of software image in alternate boot bank if any. --help Show the help message.
system visorfs get	Obtain status information on the memory filesystem as a whole.	--help Show the help message.
system visorfs ramdisk add	Add a new Visorfs RAM disk to the ESXi Host and mount it.	--max-size -M Maximum size (max reservation in MiB) (required) --min-size -m Minimum size (min reservation in MiB) (required) --name -n Name for the ramdisk (required) --permissions -p Permissions for the root of the ramdisk (mode) (required) --target -t Mountpoint for the ramdisk (absolute path) (required) --help Show the help message.
system visorfs ramdisk list	List the RAM disks used by the host.	--help Show the help message.
system visorfs ramdisk remove	Remove a Visorfs RAM disk from the ESXi Host.	--target -t Mountpoint for the ramdisk (absolute path) (required) --help Show the help message.
system visorfs tardisk list	List the tardisks used by the host.	--help Show the help message.
system wbem get	Display WBEM Agent configuration.	--help Show the help message.
system wbem set	This command allows the user to set up ESX CIMOM agent.	--auth -a Specify how to authorize incoming requests. Values are password, certificate, password is by default. Changes take effect when --enable is specified. --enable -e Start or stop the WBEM services (sfcbd, openwsmand). Values: [yes no, true false, 0 1]. --enable-https -H Enable or disable https connection to sfcbd. Values: [yes no, true false, 0 1]. --http-max-content-length -M Maximum allowed length in bytes of http requests. Default is 1048576. --http-procs Maximum number of simultaneous HTTP client connections before blocking new incoming HTTP requests. Default is 2. --https-procs Maximum number of simultaneous HTTPS client connections before blocking new incoming HTTPS requests. Default is 4. --keepalive-max-request -k Specify the maximum number of consecutive requests on one connection. Setting it to 0 will effectively disable HTTP keep-alive. Default is 10. --keepalive-timeout -K Specify the maximum time in seconds an sfcb HTTP process will wait between two requests on one connection before terminating. Setting it to 0 will disable HTTP keep-alive. Default is 1. --loglevel -l Syslog logging level: debug info warning error. --max-msg-len -m Maximum allowed length in bytes of wbem messages. Default is 40000000. --port -p Set the TCP port on which the CIMOM listens for requests. The default is 5989. --protocols -P Enable or disable SSL protocols. To reset to factory defaults specify 'reset' which allows only TLS 1.2 unless system defaults have been changed.Values can be one of: [tlsv1, tlsv1.1, reset] and setting protocols here overrules system defaults. Multiple protocols can be provided using format -P protocol1 -P protocol2. Command takes effect immediately. --provider-sample-interval -i The interval in seconds at which the provider manager is checking for idle providers. Default is 30. --provider-timeout-interval -I The interval in seconds before an idle provider gets unloaded by the provider manager. Default is 120. --prov-procs Maximum number of simultaneous provider processes. After this point if a new incoming request requires loading a new provider, then one of the existing providers will first be automatically unloaded. Default is 16. --readonly -R

		<p>Set readonly mode. Default is false.</p> <p>--reset -r Restore the WBEM configuration to factory defaults.</p> <p>--rp-override -o This overrides the configured resource pool size of a provider.</p> <p>--shutdown-interval -s Duration in seconds to wait for provider to exit. Default is 3.</p> <p>--ssl-cipher-list -S The cipher list consists of one or more cipher strings separated by ':'. Default is !aNULL:kECDH+AESGCM:ECDH+AESGCM:RSA+AESGCM:kECDH+AES:ECDH+AES:RSA+AES.</p> <p>--thread-pool-size -t Number of threads in the sfcb thread pool. Default is 5.</p> <p>--thread-stack-size -T Minimum stack size allocated to sfcb threads. Default is 1048576.</p> <p>--ws-man -W Enable or disable the WS-Management service (openwsmand). Enabled by default. Changes take effect when --enable is specified.</p> <p>--help Show the help message.</p>
system wbem provider list	Display WBEM provider configuration.	<p>--help Show the help message.</p>
system wbem provider set	This command is used to manage ESX CIMOM providers.	<p>--enable -e Enable or disable the provider immediately. Values: [yes no, true false, 0 1]</p> <p>--name -n Specify provider identifier. (required)</p> <p>--help Show the help message.</p>
system welcomemsg get	Get the Welcome Message for DCUI.	<p>--help Show the help message.</p>
system welcomemsg set	Set the Welcome Message for DCUI.	<p>--message -m Welcome Message String. (required)</p> <p>--help Show the help message.</p>

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