esxcli hardware platform get

9. Get host hardware information:

esxcli hardware get

10. Check system health:	
esxcli system health status get	
11. View host configuration: vim-cmd hostsvc/hostsummary 12. Show CPU information: esxcli hardware cpu list 13. Show memory usage: esxcli memory get 14. List installed patches: esxcli software vib list 15. Get the host's current configuration:	0/
11. View host configuration:	5
vim-cmd hostsvc/hostsummary	
12. Show CPU information:	
esxcli hardware cpu list	
13. Show memory usage:	
esxcli memory get	
14. List installed patches:	
esxcli software vib list	
col.	
15. Get the host's current configuration:	
vim-cmd hostsvc/configinfo	
inke	
16. View the power status of all VMs:	
vim-cmd vmsvc/get.powerstate <vmid></vmid>	
17. Get the list of VM resources:	
vim-cmd vmsvc/get.resource <vmid></vmid>	
Will.	
18. Check for hardware changes:	

19. Display ESXi system logs:

20. List all VMs with their configurations:

vim-cmd vmsvc/getallvms | more

#VM and Resource Management#

21. Migrate a VM using vMotion

vim-cmd vmsvc/migrate <VMID> <destination_host>

22. List VM snapshots:

vim-cmd vmsvc/snapshot.get <VMID>

23. Create a new snapshot:

vim-cmd vmsvc/snapshot.create <VMID> <snapshot_name> <description>

24. Remove all VM snapshots:

vim-cmd vmsvc/snapshot.removeall <VMID>

25. Monitor ESXi performance (CPU, Memory):

esxtop

26. Rescan all storage adapters:

esxcli storage core adapter rescan –all

27. List all storage devices:

esxcli storage core device list

28. List available datastores:

esxcli storage filesystem list

29. Check disk usage:
df -h
30. View VM resource allocation:
vim-cmd vmsvc/get.resource <vmid></vmid>
31. Add a new VM network adapter:
vim-cmd vmsvc/get.resource <vmid> 31. Add a new VM network adapter: vim-cmd vmsvc/nic.add <vmid> <adapter_type> <network_name></network_name></adapter_type></vmid></vmid>
32. Change VM resource allocation:
32. Change VM resource allocation: vim-cmd vmsvc/reconfig <vmid> <new_config></new_config></vmid>
33. Display VM logs:
tail -f /vmfs/volumes/ <datastore>/<vm_name>/vmware.log</vm_name></datastore>
34. Clone a VM:
vim-cmd vmsvc/clone <vmid> <new_name></new_name></vmid>
Tes and the second seco
35. Power off all VMs on the host:
for vmid in \$(vim-cmd vmsvc/getallvms awk '{print \$1}'); do vim-cmd vmsvc/power.off \$vmid; done
36. Create a new VM:
vim-cmd vmsvc/create <vm_name> <datastore> <vm_id></vm_id></datastore></vm_name>
37. View VM summary:
vim-cmd vmsvc/get.summary <vmid></vmid>

38. Get VM hardware compatibility:
vim-cmd vmsvc/get.hardware.version <vmid></vmid>
39. Enable VM tools:
vim-cmd vmsvc/tools.install <vmid></vmid>
62/1
40. Disable VM tools:
vim-cmd vmsvc/tools.uninstall <vmid></vmid>
#ESXi Host Maintenance#
41. Enable maintenance mode:
39. Enable VM tools: vim-cmd vmsvc/tools.install <vmid> 40. Disable VM tools: vim-cmd vmsvc/tools.uninstall <vmid> #ESXi Host Maintenance# 41. Enable maintenance mode: vim-cmd hostsvc/maintenance_mode_enter</vmid></vmid>
42. Exit maintenance mode:
vim-cmd hostsvc/maintenance_mode_exit
160°
43. Reboot the ESXi host:
reboot
reboot reboot 44. Shutdown the ESXi host:
44. Shutdown the ESXi host:
shutdown
45. Display a list of services:
vim-cmd hostsvc/services list

46. Check the health of the ESXi host:	
esxcli system health status get	
47. Get host's current configuration:)
vim-cmd hostsvc/hostsummary	
47. Get host's current configuration: vim-cmd hostsvc/hostsummary 48. Change the hostname of the ESXi host: esxcli system hostname sethost= <new_hostname> 49. Reset the ESXi host: esxcli system maintenanceMode setenable</new_hostname>	
esxcli system hostname sethost= <new_hostname></new_hostname>	
49. Reset the ESXi host:	
esxcli system maintenanceMode setenable	
50. Check for hardware compatibility:	
esxcli system maintenanceMode get	
51. Check power state of ESXi host: vim-cmd hostsvc/powerstate	
52. Check the status of VMs in a cluster:	
vim-cmd vmsvc/getallvms grep <cluster_name></cluster_name>	
53. Check for pending reboots:	

54. Check current configuration of a VM:

vim-cmd vmsvc/get.config <VMID>

55. List all running tasks:

vim-cmd vimsvc/task list

#Troubleshooting and Logs#

56. View ESXi logs:

cat /var/log/vmkernel.log

57. Check VM logs:

tail-f/vmfs/volumes/<datastore>/<vm_name>/vmware.log

58. View hardware logs

esxcli system syslog config get

59. Clear ESXi logs:

esxcli system syslog reload

60. Check disk I/O statistics:

esxcli storage core stats get

61. Display kernel logs:
less /var/log/vmkernel.log
62. Show the last 100 lines of the syslog:
tail -n 100 /var/log/syslog.log
63. Check VM performance metrics:
62. Show the last 100 lines of the syslog: tail -n 100 /var/log/syslog.log 63. Check VM performance metrics: esxtop -b 64. Monitor CPU usage per VM: esxtop -c 65. Monitor memory usage: esxtop -m #Networking and Security# 66. List all firewall rules: esxcli network firewall ruleset list
64. Monitor CPU usage per VM:
esxtop -c
65. Monitor memory usage:
esxtop -m
#Networking and Security#
66. List all firewall rules:
esxcli network firewall ruleset list
67. Enable a firewall rule:
esxcli network firewall ruleset setruleset-id= <ruleset_name>enabled=true</ruleset_name>
68. Test network connectivity (Ping):
vmkping <ip_address></ip_address>
69. Show network configuration:
esxcli network ip addr

list

70. View the ARP table:
esxcli network ip neighbor list
71. Display the DNS configuration: esxcli network ip dns search list 72. Check DHCP configuration: esxcli network ip dhcp client list
esxcli network ip dns search list
72. Check DHCP configuration:
esxcli network ip dhcp client list
73. Set a static IP address:
esxcli network ip interface ipv4 setinterface-name= <interface_name>ipv4=<ip_address>netmask=<netmask>type=static</netmask></ip_address></interface_name>
74. List all VLANs: esxcli network vswitch standard portgroup list
75. View traffic statistics for a vSwitch: esxcli network vswitch standard list
#Storage Management#
76. Display storage statistics:
esxcli storage core device stats getdevice= <device_name></device_name>
77. List VMFS datastores:
esxcli storage vmfs extent list

78. Create a VMFS datastore: esxcli storage vmfs create --volume-label=<label> --device=<device_name> 79. Unmount a datastore: esxcli storage vmfs unmount --volume-label=<label> 80. List available LUNs: esxcli storage core device list 81. Rescan a specific storage device: esxcli storage core adapter rescan --adapter=<adapter_name> 82. View storage path status: esxcli storage path list 83. Check SCSI device information: esxcli storage core device smart get --device=<device_name> 84. Create a new VMFS datastore esxcli storage vmfs create -l <datastore_name> -d <device> 85. Check VMFS datastore size. esxcli storage vmfs extent list #Miscellaneous Commands# 86. Display the ESXi configuration.

esxcli system settings advanced list

```
87. List all services:
  esxcli system service list
88. Check installed VIBs (VMware Installation Bundles):
  esxcli software vib list
89. Update a VIB.
  esxcli software vib update --depot=<depot_file>
90. Check network adapter statistics:
  esxcli network nic stats get --nic=<nic_name>
91. List all running tasks:
 vim-cmd vimsvc/task list
92. Show NTP configuration.
  esxcli system ntp get
93. Start NTP service:
esxcli system ntp start
94. Stop NTP service:
  esxcli system ntp stop
95. Sync time with NTP server:
  esxcli system ntp sync
96. Enable SNMP service:
```

esxcli system snmp set --enable true

97. Disable SNMP service. esxcli system snmp set --enable false

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