

VMware® Management with PowerCLI 5.0

Guest OS

- Dismount-Tools
- Mount-Tools
- Update-Tools
- Wait-Tools
- Get-VMGuest
- Restart-VMGuest
- Shutdown-VMGuest
- Suspend-VMGuest
- Copy-VMGuestFile
- Get-VMGuestNetworkInterface
- Set-VMGuestNetworkInterface
- Get-VMGuestRoute
- Remove-VMGuestRoute
- Invoke-VMScript

Network Operations

- Get-ScsiHbaTarget
- Remove-ScsiHbaTarget
- Set-ScsiHbaTarget
- Get-NicTeamingPolicy
- Get-OSCustomizationNicMapping
- New-OSCustomizationNicMapping
- Set-OSCustomizationNicMapping
- Get-ScsiController
- New-ScsiController
- Set-ScsiController
- Get-ScsiLun
- Set-ScsiLun
- Get-ScsiLunPath
- Set-ScsiLunPath
- Get-VirtualPortGroup
- New-VirtualPortGroup
- Remove-VirtualPortGroup
- Set-VirtualPortGroup
- Get-VirtualSwitch
- New-VirtualSwitch
- Remove-VirtualSwitch
- Set-VirtualSwitch

Logs/Reporting/Configuration

- Get-ErrorReport
- Get-Log
- Get-OSCustomizationSpec
- New-OSCustomizationSpec
- Remove-OSCustomizationSpec
- Get-Stat
- Get-StatInterval
- New-StatInterval
- Remove-StatInterval
- Set-StatInterval
- Get-StatType
- Get-VI CredentialStoreItem
- New-VI CredentialStoreItem
- Remove-VI CredentialStoreItem
- Get-VMHostSyslogServer
- Set-VMHostSyslogServer
- Get-VMResourceConfiguration
- Set-VMResourceConfiguration
- Get-VMHostHba
- Set-VMHostHba
- Get-VMHostNetworkAdapter
- Set-VMHostNetworkAdapter
- Get-VMHostNtpServer
- Set-VMHostNtpServer
- Get-VMHostSnmpp
- Set-VMHostSnmpp

Datacenter Operations

- Get-Datacenter
- Move-Datacenter
- New-Datacenter
- Remove-Datacenter
- Set-Datacenter

Cluster Operations

- Get-Cluster
- Get-DatastoreCluster
- New-Cluster
- Remove-Cluster
- Set-Cluster

Resource Pool Operations

- Get-ResourcePool
- New-ResourcePool
- Remove-ResourcePool
- Set-ResourcePool

The diagram shows a central 'PowerCLI' box connected to 'vSphere', 'vCloud', 'Licensing', 'Image Builder', 'Auto Deploy', and 'View'. 'PowerCLI' is also shown to interact with 'PowerShell' and 'Update Manager'.

Virtual Machine Host Operations

- Get-HAPrimaryVMHost
- Add-VMHost
- Get-VMHost
- Remove-VMHost
- Restart-VMHost
- Remove-VMHostAccount
- Get-VMHostAccount
- Set-VMHostAccount
- Remove-VMHostAccount
- Get-VMHostAdvancedConfiguration
- Set-VMHostAdvancedConfiguration
- Get-VMHostAuthentication
- Set-VMHostAuthentication
- Get-VMHostAvailableTimezone
- Set-VMHostAvailableTimezone
- Get-VMHostDiagnosticPartition
- Set-VMHostDiagnosticPartition
- Get-VMHostDisk
- Format-VMHostDiskPartition
- Get-VMHostDiskPartition
- Get-VMHostFirmware
- Set-VMHostFirmware
- Get-VMHostModule
- Set-VMHostModule
- Get-VMHostPatch
- Install-VMHostPatch
- Get-VMHostProfileRequiredInput
- Get-VMHostRoute
- New-VMHostRoute
- Remove-VMHostRoute
- Get-VMHostService
- Restart-VMHostService
- Set-VMHostService
- Start-VMHostService
- Stop-VMHostService
- Get-VMHostStorage
- Set-VMHostStorage
- Get-VMHostStartPolicy
- Set-VMHostStartPolicy
- Get-VMHostSyslogServer
- Set-VMHostSyslogServer

Auto Deploy Operations

- Switch-ActiveDeployRuleSet
- Repair-DeployImageCache
- Add-DeployRule
- Copy-DeployRule
- Get-DeployRule
- New-DeployRule
- Remove-DeployRule
- Set-DeployRule
- Get-DeployRuleSet
- Set-DeployRuleSet
- Repair-DeployRuleSetCompliance
- Test-DeployRuleSetCompliance
- Apply-ESXImageProfile
- Get-VMHostAttributes
- Get-VMHostImageProfile
- Get-VMHostMatchingRules

vCloud Operations

- Connect-Cloud
- Disconnect-Cloud
- Search-Cloud
- Get-CloudCatalog
- Get-CloudExternalNetwork
- Get-CloudUserGroup
- Get-CloudMedia
- Get-CloudNetworkPool
- Get-CloudOrganization
- Get-CloudOrganizationNetwork
- Get-CloudOrganizationVDC
- Get-CloudProviderVDC
- Get-CloudUserRole
- Get-CloudUser
- Import-CloudVAppTemplate
- Get-CloudVAppTemplate
- Import-CloudVDC
- Get-CloudVApp
- Import-CloudVApp
- Get-CloudView
- Get-ViewByCloudView
- Get-CloudVM

vApps

- Export-vApp
- Import-vApp
- Move-vApp
- New-vApp
- Remove-vApp
- Set-vApp
- Start-vApp
- Stop-vApp
- Apply-VMHostProfile
- Export-VMHostProfile
- Get-VMHostProfile
- Import-VMHostProfile
- New-VMHostProfile
- Remove-VMHostProfile
- Set-VMHostProfile
- Test-VMHostProfileCompliance

Host Profiles

- Get-ErrorReport
- Get-PowerCLICommunity
- Get-PowerCLIConfiguration
- Set-PowerCLIConfiguration
- Get-PowerCLIDocumentation
- Get-PowerCLIVersion
- Automating vSphere Administration ISBN-10: 0470890797
- vSphere 4.0 Quick Start Guide ISBN-10: 1439263450
- Managing VMware Infrastructure with Windows PowerShell ISBN-10: 0982131402

PowerCLI Settings

- Get-ErrorReport
- Get-PowerCLICommunity
- Get-PowerCLIConfiguration
- Set-PowerCLIConfiguration
- Get-PowerCLIDocumentation
- Get-PowerCLIVersion

PowerCLI Books

- Automating vSphere Administration ISBN-10: 0470890797
- vSphere 4.0 Quick Start Guide ISBN-10: 1439263450
- Managing VMware Infrastructure with Windows PowerShell ISBN-10: 0982131402

Resources

- For more information and help with the VMware vSphere PowerCLI, use the following cmdlets:
 - [Get-PowerCLICommunity](#)
 - [Get-PowerCLIRelp](#)
 - [Get-VICCommand](#)
- Important third-party Web sites:
 - <http://virtu-ai.net>
 - <http://www.lucid.info>
 - <http://get-scripting.blogspot.com>
 - <http://powerscripting.net>
 - <http://ict-freak.nl>
 - <http://www.van-lieshout.com>
- VMware scripting support - <http://vmware.com/go/sksupport>
- vSphere PowerCLI training - <http://vmware.com/go/vsphereautomation>
- Third-party PowerCLI training from Trainsignal: <http://trainsignal.com>
- Special thanks to our PowerCLI VIP community members for helping us improve PowerCLI.

VMware vSphere® PowerCLI Quick Reference

Virtual Machine Operations

Virtual Switch Operations

Task Information

Virtual Machine Host Operations

Getting Started

ESXTOP through PowerCLI

Official vSphere PowerCLI Training latest course information. All courses subject to change without notice. <http://vmware.com/go/vsphereautomation>.

Port Group Operations

Snapshot Operations

How to Connect to vCenter Server or ESX and ESXi

Managing Events Alarms

Security Operations

Datacenter Operations

DRS Rules

Datastore Operations

Folder Operations

Cluster Operations

API Operations

vApp Operations

Resource Pool Operations