

VMware PowerCLI 11 Storage Module Reference Poster for vSAN



| vSAN Cmdlets | | Core Storage & Policy Cmdlets | | PowerCLI Info | | Getting Started | | Quick Helpful Commands | | Host Static Routing | |
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| Cluster | | Objects | | | | | | | | | |
| <code>Get-VsanSpaceUsage</code> | | <code>Add-VsanObjectToRepairQueue</code> | | PowerCLI Info | | Getting Started | | Quick Helpful Commands | | Host Static Routing | |
| <code>Get-VsanClusterConfiguration</code> | | <code>Get-VsanComponent</code> | | What is PowerCLI? | | VMware PowerCLI frequently asked questions (FAQs) link: http://communities.vmware.com/docs/DOC-13700 | | Top 5 VM memory allocation: <code>Get-VM Sort-Object -Property MemoryGB -Descending Select -First 5</code> | | To list all the host routes: <code>Get-VMHostRoute -VMHost "hostname"</code> | |
| <code>Set-VsanClusterConfiguration</code> | | <code>Get-VsanObject</code> | | VMware PowerCLI is a powerful, easy-to-use scripting interface to manage the vSphere platform. Administrators can leverage more than 360 cmdlets to simplify everyday tasks. | | To find out what cmdlets are available: <code>Get-VMCommand</code> | | Total memory available on all ESXi: <code>Get-VMHost Measure-Object -Property MemoryTotalGB -Sum Select -ExpandProperty Sum</code> | | To create a new route on a host: <code>New-VMHostRoute -VMHost "hostname" -Destination XX.XX -Gateway YY.YY -PrefixLength ZZ -Confirm:\$false</code> | |
| <code>Start-VsanClusterRebalance</code> | | <code>Get-VsanResyncingComponent</code> | | | | How to Connect to vCenter Server or ESXi | | | | To remove a route on a host: <code>Remove-VMHostRoute -VMHostRoute (Get-VMHostRoute -VMHost "hostname").Where(\$_.Destination -eq "YY.YY") -Confirm:\$false</code> | |
| <code>Stop-VsanClusterRebalance</code> | | <code>Get-VsanResyncingOverview</code> | | | | To connect to a VMware vCenter server. Start a new session or reestablish a previous session with a VMware vCenter server. <code>\$Srv = Connect-VIServer -Server 192.168.10.10 -User Admin -Password Pass01</code> | | | | To list all the host routes for all hosts in a vSAN Fault Domain: <code>Get-Cluster -Name "Cluster" Get-VsanFaultDomain -Name "SiteA" Get-VMHost Get-VMHostRoute</code> | |
| <code>Update-VsanHclDatabase</code> | | <code>Repair-VsanObject</code> | | | | To disconnect from the connected vSphere server: <code>Disconnect-VIServer -Server \$Srv -Confirm:\$false</code> | | | | To create a new route on all hosts in a vSAN Fault Domain: <code>Get-Cluster -Name "Cluster" Get-VsanFaultDomain -Name "SiteA" Get-VMHost New-VMHostRoute -Destination XX.XX -Gateway YY.YY -PrefixLength ZZ</code> | |
| <code>Get-VsanRuntimeInfo</code> | | | | | | | | | | To remove a specific route on all hosts in a vSAN Fault Domain: <code>Get-Cluster -Name "Cluster" Get-VsanFaultDomain -Name "SiteA" Get-VMHost Get-VMHostRoute Where-Object {\$_._Destination -eq "YY.YY"} Remove-VMHostRoute</code> | |
| <code>Get-VsanStat</code> | | | | | | | | | | | |
| <code>Get-VsanView</code> | | | | | | | | | | | |
| <code>Get-VsanEnterMaintenanceModeReport</code> | | | | | | | | | | | |
| <code>Get-VsanEvacuationPlan</code> | | | | | | | | | | | |
| Disk Group | | | | | | | | | | | |
| <code>Get-VsanDisk</code> | | | | | | | | | | | |
| <code>Get-VsanDiskGroup</code> | | | | | | | | | | | |
| <code>New-VsanDisk</code> | | | | | | | | | | | |
| <code>New-VsanDiskGroup</code> | | | | | | | | | | | |
| <code>Remove-VsanDisk</code> | | | | | | | | | | | |
| <code>Remove-VsanDiskGroup</code> | | | | | | | | | | | |
| <code>Start-VsanClusterDiskUpdate</code> | | | | | | | | | | | |
| Testing | | | | | | | | | | | |
| <code>Test-VsanClusterHealth</code> | | | | | | | | | | | |
| <code>Test-VsanNetworkPerformance</code> | | | | | | | | | | | |
| <code>Test-VsanStoragePerformance</code> | | | | | | | | | | | |
| <code>Test-VsanVMCreation</code> | | | | | | | | | | | |
| vSAN iSCSI Service | | | | | | | | | | | |
| <code>Get-VsanIscsiInitiatorGroup</code> | | | | | | | | | | | |
| <code>Get-VsanIscsiInitiatorGroupTargetAssociation</code> | | | | | | | | | | | |
| <code>New-VsanIscsiInitiatorGroup</code> | | | | | | | | | | | |
| <code>New-VsanIscsiInitiatorGroupTargetAssociation</code> | | | | | | | | | | | |
| <code>Remove-VsanIscsiInitiatorGroup</code> | | | | | | | | | | | |
| <code>Remove-VsanIscsiInitiatorGroupTargetAssociation</code> | | | | | | | | | | | |
| <code>Set-VsanIscsiInitiatorGroup</code> | | | | | | | | | | | |
| Get-VsanIscsiLun | | | | | | | | | | | |
| <code>New-VsanIscsiLun</code> | | | | | | | | | | | |
| <code>Remove-VsanIscsiLun</code> | | | | | | | | | | | |
| <code>Set-VsanIscsiLun</code> | | | | | | | | | | | |
| <code>Get-VsanIscsiTarget</code> | | | | | | | | | | | |
| <code>New-VsanIscsiTarget</code> | | | | | | | | | | | |
| <code>Remove-VsanIscsiTarget</code> | | | | | | | | | | | |
| <code>Set-VsanIscsiTarget</code> | | | | | | | | | | | |
| Core | | | | | | | | | | | |
| <code>Get-NfsUser</code> | | | | | | | | | | | |
| <code>New-NfsUser</code> | | | | | | | | | | | |
| <code>Remove-NfsUser</code> | | | | | | | | | | | |
| <code>Set-NfsUser</code> | | | | | | | | | | | |
| <code>Get-VAIOFilter</code> | | | | | | | | | | | |
| <code>Set-VAIOFilter</code> | | | | | | | | | | | |
| <code>Get-VasaProvider</code> | | | | | | | | | | | |
| <code>Get-VasaStorageArray</code> | | | | | | | | | | | |
| <code>New-VasaProvider</code> | | | | | | | | | | | |
| <code>Remove-VasaProvider</code> | | | | | | | | | | | |
| First Class Disks | | | | | | | | | | | |
| <code>Copy-VDisk</code> | | | | | | | | | | | |
| <code>Get-VDisk</code> | | | | | | | | | | | |
| <code>Move-VDisk</code> | | | | | | | | | | | |
| <code>New-VDisk</code> | | | | | | | | | | | |
| <code>Remove-VDisk</code> | | | | | | | | | | | |
| <code>Set-VDisk</code> | | | | | | | | | | | |
| PowerCLI Community | | | | | | | | | | | |
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| PowerCLI Sites | | | | | | | | | | | |
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| PowerCLI Community Repository | | | | | | | | | | | |
| The VMware PowerCLI Community Repository is a central location where anyone can contribute their own resources. The repository features a Principles of Operations document to help guide contributors along the process of using, creating, and updating resources which are contained within the repository. | | | | | | | | | | | |
| Link: https://github.com/vmware/PowerCLI-Example-Scripts | | | | | | | | | | | |
| Featured Modules: | | | | | | | | | | | |
| - Horizon View Helper | | | | | | | | | | | |
| - VM Encryption | | | | | | | | | | | |
| - Affinity Rule Creation | | | | | | | | | | | |
| - vCenter High Availability | | | | | | | | | | | |
| PowerCLI Cookbook for vSAN | | | | | | | | | | | |
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