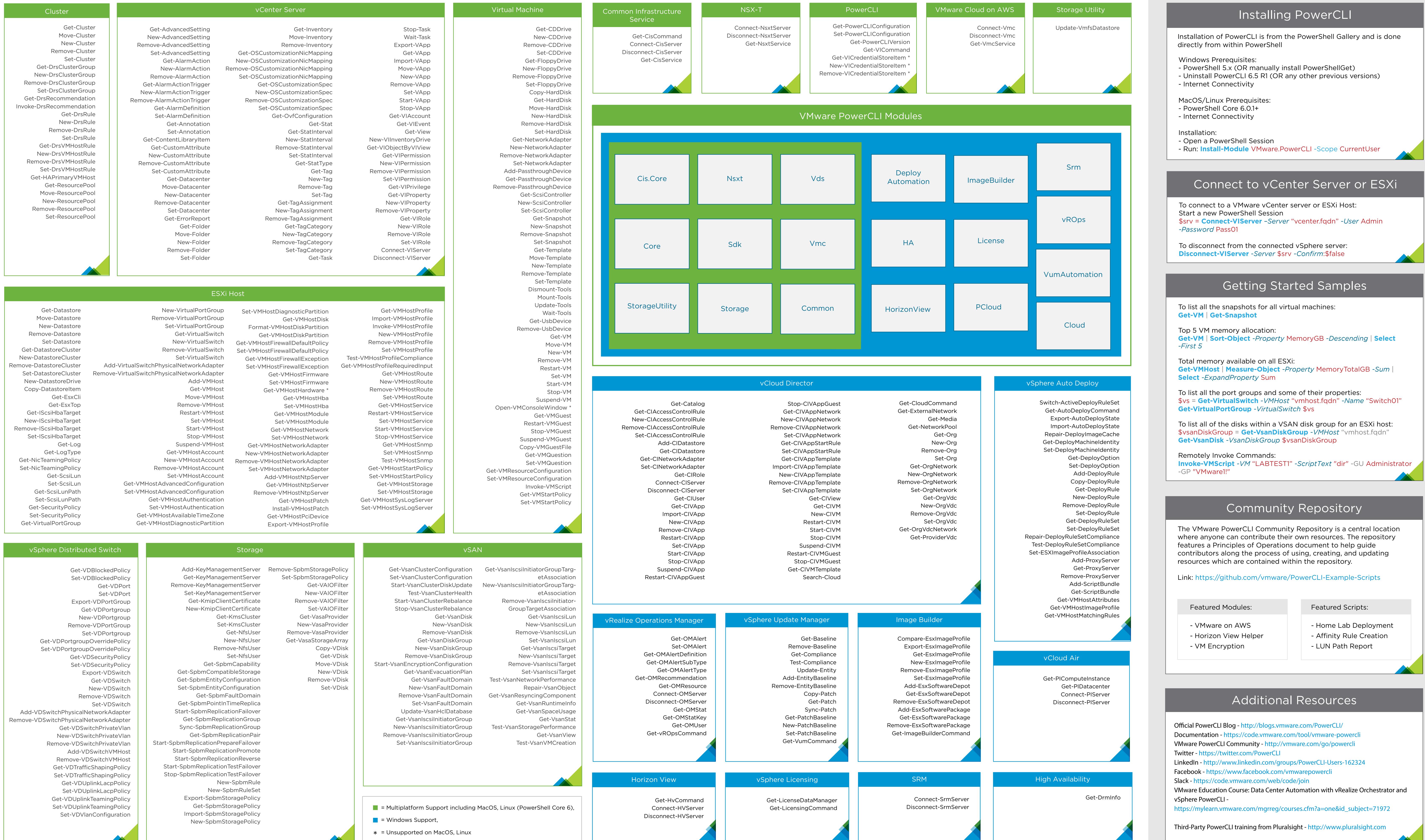




VMware PowerCLI 10.0.0



Installing PowerCLI

Installation of PowerCLI is from the PowerShell Gallery and is done directly from within PowerShell

Windows Prerequisites:

- PowerShell 5.x (OR manually install PowerShellGet)
- Uninstall PowerCLI 6.5 R1 (OR any other previous versions)
- Internet Connectivity

MacOS/Linux Prerequisites:
- PowerShell Core 6.0.1+
- Internet Connectivity

Installation:
- Open a PowerShell Session
Run: **Install-Module -Name VMware.PowerCLI -Scope CurrentUser**

Connect to vCenter Server or ESXi

To connect to a VMware vCenter server or ESXi Host:
Start a new PowerShell Session
`$srv = Connect-VIServer -Server "vcenter.fqdn" -User Admin -Password Pass01`

To disconnect from the connected vSphere server:
Disconnect-VIServer -Server \$srv -Confirm:\$false

Getting Started Samples

To list all the snapshots for all virtual machines:
[Get-VM](#) | **[Get-Snapshot](#)**

Top 5 VM memory allocation:
`Get-VM | Sort-Object -Property MemoryGB -Descending | Select -First 5`

Total memory available on all ESXi:
`Get-VMHost | Measure-Object -Property MemoryTotalGB -Sum | Select-Object -ExpandProperty Sum`

To list all the port groups and some of their properties:
\$vs = **Get-VirtualSwitch** -VMHost "vmhost.fqdn" -Name "Switch01"

To list all of the disks within a VSAN disk group for an ESXi host:
`$vsanDiskGroup = Get-VsanDiskGroup -VMHost "vmhost.fqdn"`

```
Get-VsanDisk -VsanDiskGroup $vsanDiskGroup
```

Remotely Invoke Commands:

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-I-Example-Scripts>

I Modules:

- # Get Started with AWS Lambda

Featured Scripts:

- Home Lab Deployment
 - Affinity Rule Creation

Additional Resources

- Official PowerCLI Blog - <http://blogs.vmware.com/PowerCLI/>
- Documentation - <https://code.vmware.com/tool/vmware-powercli>
- VMware PowerCLI Community - <http://vmware.com/go/powercli>
- Twitter - <https://twitter.com/PowerCLI>
- LinkedIn - <http://www.linkedin.com/groups/PowerCLI-Users-162324>
- Facebook - <https://www.facebook.com/vmwarepowercli>
- Slack - <https://code.vmware.com/web/code/join>
- VMware Education Course: Data Center Automation with vRealize Orchestrator and

vSphere PowerCLI -
https://mylearn.vmware.com/mgrreg/courses.cfm?a=one&id_subject=7197

Third-Party PowerCLI training from Pluralsight - <http://www.pluralsight.com>