

pyVMC all supported Commands

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Current Supported Commands

Here are the currently supported 'super' commands:

►	csp	Commands related to the Cloud Service Portal itself.
	sddc	Commands related to the Software Defined Datacenter (SDDC).
	tkg	Commands related to the Tanzu Kubernetes Service (TKG).
	segment	Create, delete, update, and show Virtual Machine network segments.
	vpn	Create, delete, update, and show virtual private network (VPN) configurations.
	nat	Show and update Network Address Translation (NAT) rules.
	t1	Create, delete, update, and show secondary T1 gateway configurations.
	vtc	Commands related to VMware Transit Connect (VTC).
	gwfw	Show and update policies and rules associated with NSX Gateway Firewall (GWFW).
	dfw	Show and update policies and rules associated with NSX Distributed Firewall (DFW).
	nsxaf	Commands related to the NSX Advanced Firewall – e.g. : show, update, delete, and create NSXAF rules.
	inventory	Show and update objects in the NSX Inventory (groups, objects, etc.).
	system	Show and update configuration data associated with the NSX-T system.

system
search-nsx
vcd
flexcomp

show and update configuration data associated with the
Search the NSX Manager inventory.
Create, delete, update, and show information about VMs
Commands related to the Cloud Flex Compute itself.

Authentication

pyVMC supports both **refresh_token** and **OAuth AppId/Secret** way to authenticate. Values for it needs to be specified in config.ini file. Default auth method is to use **refresh_token**.

If one wants to use OAuth, then **--oauth** switch needs to be provided when running the command.

Examples:

Using default 'refresh_token'

```
➤ ./pyVMC.py sddc show-sddcs
```

Using OAuth

```
➤ ./pyVMC.py sddc show-sddcs --oauth
```

Getting Help

To see the supported commands for any given category / super-command, simply use '-h'... for example:

```
➤ ./pyVMC.py vcd -h
usage: vcd [-h] {scfs,pg,snaps,rsddc,psite,vms} ...
```

positional arguments:

{scfs,pg,snaps,rsddc,psite,vms}

	vcd sub-command help
scfs	VCDR cloud file system - use '-h' for help.
pg	VCDR Protection Groups - use '-h' for help.
snaps	VCDR Snapshots - use '-h' for help.
rsddc	VCDR Recovery SDDC - use '-h' for help.
psite	VCDR Protected Site - use '-h' for help.
vms	VCDR cloud file system - use '-h' for help.

optional arguments:

-h, --help show this help message and exit

Similarly, to see the options for any given command, run the individual command with the -h option:

```

» ./pyVMC.py vcdr scfs -h
usage: vcdr scfs [-h] {show} ...

positional arguments:
  {show}          vcdr scfs sub-command help
  show           Show information about the VCDR Scale-out file System(s).

optional arguments:
  --oauth [OAUTH]    Used to specify use of OAuth app ID and secret in config.ini instead of
  -h, --help         show this help message and exit

```

1. CSP commands

```

» usage: csp [-h]
           {show-csp-services,show-csp-service-roles,get-access-token,add-users-to-csp-group,
           ...

positional arguments:
  {show-csp-services,show-csp-service-roles,get-access-token,add-users-to-csp-group,show-csp-
  csp sub-command help
  show-csp-services      Show the entitled services in the
                        VMware Cloud Service Console.
  show-csp-service-roles Show the entitled service roles in the
                        VMware Cloud Service Console.
  get-access-token       show your access token
  add-users-to-csp-group CSP user to a group
  show-csp-group-diff    this compares the roles in the
                        specified group with every user in the
                        org and prints out a user-by-user diff
  show-csp-group-members show CSP group members
  show-csp-groups        To show CSP groups which contain
                        GROUP_SEARCH_TERM string
  search-csp-org-users   Search for users in the CSP or org.
  find-csp-user-by-service-role Search for CSP users with a specific
                        service role. First use show-csp-
                        service-roles to see entitled roles
  show-org-users         Show all organization users

optional arguments:
  -h, --help         show this help message and exit

```

2. SDDC commands

```

» usage: sddc [-h]
           {show-compatible-subnets,show-connected-accounts,set-sddc-connected-services,show
           ...

positional arguments:

```


detach-dxgw	vIGW Detach a Direct Connect Gateway from a vTGW
get-sddc-info	Display a list of all SDDCs
get-nsx-info	Display NSX credentials and URLs
attach-sddc	Attach an SDDC to a vTGW
detach-sddc	Detach an SDDC from a vTGW
create-sddc-group	Create an SDDC group
delete-sddc-group	Delete an SDDC group
get-group-info	Display details for an SDDC group
attach-vpc	Attach a VPC to a vTGW
detach-vpc	Detach VPC from a vTGW
vpc-prefixes	Add or remove vTGW static routes

optional arguments:

-h, --help show this help message and exit

5. NSX related commands

5.1 Segment commands

► usage: segment [-h] {create,delete,show,update} ...

positional arguments:

{create,delete,show,update}

	segment sub-command help
create	Create a new virtual machine network segment.
delete	Delete a virtual machine network segment.
show	Show the current virtual machine network segments.
update	Update the configuration of a virtual machine network segment.

optional arguments:

-h, --help show this help message and exit

5.2 VPN commands

► usage: vpn [-h] {new-l2vpn,remove-l2VPN,remove-vpn,remove-vpn-ike-profile,remove-vpn-ipsec-tunnel-profile,sl} ...

positional arguments:

	vpn sub-command help
new-l2vpn	create a new L2VPN
remove-l2VPN	remove a L2VPN
remove-vpn	remove a VPN
remove-vpn-ike-profile	
	remove a VPN IKE profile
remove-vpn-ipsec-tunnel-profile	

<code>remove-vpn-ipsec-tunnel-profile</code>	To remove a VPN IPSec Tunnel profile
<code>show-l2vpn</code>	show l2 vpn
<code>show-l2vpn-services</code>	show l2 vpn services
<code>show-vpn</code>	show the configured VPN
<code>show-vpn</code>	show the VPN statistics
<code>show-vpn-ike-profile</code>	show the VPN IKE profiles
<code>show-vpn-internet-ip</code>	show the public IP used for VPN services
<code>show-vpn-ipsec-tunnel-profile</code>	show the VPN tunnel profile
<code>show-vpn-ipsec-endpoints</code>	show the VPN IPSec endpoints
<code>rbvpn-prefix-list</code>	Create and configure route-based VPN prefix lists.
<code>rbvpn-neighbors</code>	Show and configure BGP Neighbors for route-based VPN.

optional arguments:

<code>-h, --help</code>	show this help message and exit
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5.3 NAT commands

► usage: `nat [-h] {new-nat-rule,remove-nat-rule,show-nat} ...`

positional arguments:

<code>{new-nat-rule,remove-nat-rule,show-nat}</code>	nat sub-command help
<code>new-nat-rule</code>	To create a new NAT rule
<code>remove-nat-rule</code>	remove a NAT rule
<code>show-nat</code>	show the configured NAT rules

optional arguments:

<code>-h, --help</code>	show this help message and exit
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5.4 T1 commands

► usage: `t1 [-h] {create,delete,update} ...`

positional arguments:

<code>{create,delete,update}</code>	t1 sub-command help
<code>create</code>	Create a new, secondary T1 gateway.
<code>delete</code>	Delete a secondary T1 gateway.
<code>update</code>	Update the configuration of a secondary T1 gateway.

optional arguments:

<code>-h, --help</code>	show this help message and exit
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5.5 GFW commands

► usage: gwfw [-h]
 {new-cgw-rule,new-mgw-rule,remove-cgw-rule,remove-mgw-rule,show-cgw-rule,show-mgw-rule,...}

positional arguments:

{new-cgw-rule,new-mgw-rule,remove-cgw-rule,remove-mgw-rule,show-cgw-rule,show-mgw-rule}

	gwfw sub-command help
new-cgw-rule	create a new CGW security rule
new-mgw-rule	create a new MGW security rule
remove-cgw-rule	delete a CGW security rule
remove-mgw-rule	delete a MGW security rule
show-cgw-rule	show the CGW security rules
show-mgw-rule	show the MGW security rules

optional arguments:

-h, --help show this help message and exit

5.6 DFW commands

► usage: dfw [-h]
 {new-dfw-rule,new-dfw-section,remove-dfw-rule,remove-dfw-section,show-dfw-section,show-dfw-rules,...}

positional arguments:

{new-dfw-rule,new-dfw-section,remove-dfw-rule,remove-dfw-section,show-dfw-section,show-dfw-rules}

	dfw sub-command help
new-dfw-rule	create a new DFW security rule
new-dfw-section	create a new DFW section
remove-dfw-rule	delete a DFW rule
remove-dfw-section	delete a DFW section
show-dfw-section	show the DFW sections
show-dfw-section-rules	show the DFW security rules within a section

optional arguments:

-h, --help show this help message and exit

5.7 NSXAF commands

► usage: nsxaf [-h]
 {show-nsxaf-status,show-ids-cluster-status,enable-cluster-ids,disable-cluster-ids,...}

positional arguments:

{show-nsxaf-status,show-ids-cluster-status,enable-cluster-ids,disable-cluster-ids,enable-all-ids}

	nsxaf sub-command help
show-nsxaf-status	Display the status of the NSX Advanced Firewall

	Firewall Add-on
show-ids-cluster-status	Show IDS status for each cluster in the SDDC
enable-cluster-ids	Enable IDS on cluster
disable-cluster-ids	Disable IDS on cluster
enable-all-cluster-ids	Enable IDS on all clusters
disable-all-cluster-ids	Disable IDS on all clusters
enable-ids-auto-update	Enable IDS signature auto update
ids-update-signatures	Force update of IDS signatures
show-ids-signature-versions	Show downloaded signature versions
show-ids-profiles	Show all IDS profiles
search-product-affected	Search through the active IDS signature for specific product affected. Useful when building an IDS Profile
create-ids-profile	Create an IDS profile with either Product Affected, CVSS or both.
show-ids-policies	List all IDS policies
create-ids-policy	Create an IDS policy
show-ids-rules	List all IDS rules
create-ids-rule	Create an IDS rule using previously created IDS profile and inventory groups
optional arguments:	
-h, --help	show this help message and exit

5.8 Inventory commands

► usage: inventory [-h] {new-group,remove-group,show-group,show-group-association,new-service,remove-service,show-services} ...

positional arguments:

	inventory sub-command help
new-group	create a new group
remove-group	remove a group
show-group	show existing groups
show-group-association	show security rules used by a groups
new-service	create a new service
remove-service	remove a service
show-services	show services

optional arguments:

-h, --help	show this help message and exit
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5.9 System commands

usage: svsystem [-h]


```

>> usage: serach-nx [-h] [--nsxm [NSXM]]
                    {show-dns-services,show-dns-zones,new-sddc-public-ip,remove-sddc-public-ip,set-
                    ...

```

positional arguments:

```

{show-dns-services,show-dns-zones,new-sddc-public-ip,remove-sddc-public-ip,set-sddc-public-:
    system sub-command help
show-dns-services    Show currently configured DNS services
show-dns-zones       Show currently configured DNS zone services.
new-sddc-public-ip   request a new public IP
remove-sddc-public-ip
                    remove an existing public IP
set-sddc-public-ip   update the description of an existing public IP
show-sddc-public-ip
                    show the public IPs
mtu                  Show and update configuration data associated with
                    Maximum Transmission Unit value for the Intranet
                    Interface.
asn                  Show and update configuration data associated with
                    Autonomous System Number value for the Intranet
                    Interface.
dx-admin-cost        Use to view currently configured routing preference /
                    admin cost – VPN or DX.
show-egress-interface-counters
                    show current Internet interface egress counters
show-routes          Show SDDC routes

```

optional arguments:

```

-h, --help          show this help message and exit

```

5.10 serach-nsx commands

```

>> usage: search-nsx [-h] [--nsxm [NSXM]]
                    [-ot {BgpNeighborConfig,BgpRoutingConfig,Group,IdsSignature,PrefixList,Rou
                    [-oid OBJECT_ID]

```

optional arguments:

```

-h, --help          show this help message and exit
--nsxm [NSXM]       Used to specify NSX Manager instead of NSX proxy (Def:
-ot {BgpNeighborConfig,BgpRoutingConfig,Group,IdsSignature,PrefixList,RouteBasedIPSecVPNSes:
                    The type of object to search for.
-oid OBJECT_ID, --object_id OBJECT_ID
                    The name of the object you are searching for.

```

6. VCDR commands

```

>> usage: vcdr [-h] {scfs,pg,snaps,rsddc,psite,vms} ...

```

positional arguments:

```

{scfs,pg,snaps,rsddc,psite,vms}

```

	vcd sub-command help
scfs	VCDR cloud file system – use '-h' for help.
pg	VCDR Protection Groups – use '-h' for help.
snaps	VCDR Snapshots – use '-h' for help.
rsddc	VCDR Recovery SDDC – use '-h' for help.
psite	VCDR Protected Site – use '-h' for help.
vms	VCDR cloud file system – use '-h' for help.

optional arguments:

-h, --help	show this help message and exit
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7. Flex Compute commands

►► usage: flexcomp [-h]
 {activity-status,show-all-namespaces,validate-network,create-flexcompute,delete-flexcomp,
 ...

positional arguments:

{activity-status,show-all-namespaces,validate-network,create-flexcompute,delete-flexcomp,show-flexcomp sub-command help	
activity-status	Get activity status of long running tasks
show-all-namespaces	Show all present Cloud Flex Compute Name Spaces
validate-network	Validate network CIDR before creating Cloud Flex Compute
create-flexcompute	Create new Cloud Flex Compute
delete-flexcomp	Delete existing Cloud Flex Compute
show-flex-comp-regions	Show available Cloud Flex Compute regions
show-flex-comp-templates	Show available Cloud Flex Compute resource templates
show-all-vms	Show all VMs in Cloud Flex Compute instance
show-all-images	Show all images available to create VMs from
create-vm	Create VM
power-operation	Perform Power Operations on VM
delete-vm	Delete VM. Make sure VM is in powerd OFF state.

options:

-h, --help	
------------	--