pyVMC all supported Commands

Table of Contents

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 (S
tkg                          Commands related to the Tanzu Kubernetes Service (TKG)
segment                      Create, delete, update, and show Virtual Machine netwo
vpn                          Create, delete, update, and show virtual private netwo
nat                          Show and update Network Address Translation (NAT) rule
t1                           Create, delete, update, and show secondary T1 gateways
vtc                          Commands related to VMware Transit Connect (VTC).
gwfw                         Show and update policies and rules associated with NSX
dfw                          Show and update policies and rules associated with NSX
nsxaf                        Commands related to the NSX Advanced Firewall — e.g. :
inventory                    Show and update objects in the NSX Inventory (groups,
system                       Show and update configuration data associated with the
```

```
        system                          Show and update configuration data associated with the
        search-nsx                      Search the NSX Manager inventory.
        vcdr                            Create, delete, update, and show information about VMw
        flexcomp                        Commands related to the Cloud Flex Compute itself.
```

Getting Help

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

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

positional arguments:
  {scfs,pg,snaps,rsddc,psite,vms}
                        vcdr 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:
  -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-g
                                        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,shor
             ...

positional arguments:

  {show-compatible-subnets,show-connected-accounts,set-sddc-connected-services,show-sddc-conne
                                        sddc sub-command help
    show-compatible-subnets            show compatible native AWS subnets
                                        connected to the SDDC
    show-connected-accounts            show native AWS accounts connected to
                                        the SDDC
    set-sddc-connected-services        change whether to use S3 over the
                                        Internet(false) or via the ENI(true)
    show-sddc-connected-vpc            show the VPC connected to the SDDC
    show-shadow-account                show the Shadow AWS Account VMC is
                                        deployed in
    show-sddc-state                     get a view of your selected SDDC
    show-sddc-hosts                     display a list of the hosts in your
                                        SDDC
    show-sddcs                          display a list of your SDDCs
    show-vms                            get a list of your VMs
    create                              create an SDDC
    delete                              delete an sddc
    watch-task                          watch a task for a long running sddc create or delete
    cancel-task                         cancel a long running task

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

3. TKG commands

```
usage:  tkg [-h] {enable-tkg,disable-tkg} ...

positional arguments:
  {enable-tkg,disable-tkg}  sddc sub-command help
    enable-tkg              Enable Tanzu Kubernetes Grid on an SDDC
    disable-tkg             Disable Tanzu Kubernetes Grid on an SDDC

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

4. Networking related commands

4.1 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
```

4.2 VPN commands

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

positional arguments:
  {new-l2vpn,remove-l2VPN,remove-vpn,remove-vpn-ike-profile,remove-vpn-ipsec-tunnel-profile,sh
                        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
                        To remove a VPN IPSec Tunnel profile
    show-l2vpn          show l2 vpn
```

```
     snow-l2vpn-services
                        show l2 vpn services
     show-vpn            show the configured VPN
     show-vpn            show the VPN statistics
     show-vpn-ike-profile
                        show the VPN IKE profiles
     show-vpn-internet-ip
                        show the public IP used for VPN services
     show-vpn-ipsec-tunnel-profile
                        show the VPN tunnel profile
     show-vpn-ipsec-endpoints
                        show the VPN IPSec endpoints
     rbvpn-prefix-list  Create and configure route-based VPN prefix lists.
     rbvpn-neighbors    Show and configure BGP Neighbors for route-based VPN.

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

4.3 NAT commands

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

 positional arguments:
   {new-nat-rule,remove-nat-rule,show-nat}
                        nat sub-command help
     new-nat-rule       To create a new NAT rule
     remove-nat-rule    remove a NAT rule
     show-nat           show the configured NAT rules

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

4.4 VTC commands

```
usage:  vtc [-h]
            {connect-aws,disconnect-aws,attach-dxgw,detach-dxgw,get-sddc-info,get-nsx-info,attac
            ...

 positional arguments:
   {connect-aws,disconnect-aws,attach-dxgw,detach-dxgw,get-sddc-info,get-nsx-info,attach-sddc,det
                                vtc sub-command help
     connect-aws                Connect an vTGW to an AWS account
     disconnect-aws             Disconnect a vTGW from an AWS account
     attach-dxgw                Attach a Direct Connect Gateway to a
                                vTGW
     detach-dxgw                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 T1 commands

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

    positional arguments:
      {create,delete,update}
                          t1 sub-command help
        create            Create a new, secondary T1 gateway.
        delete            Delete a secondary T1 gateway.
        update            Update the configuration of a secondary T1 gateway.

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

5.2 GWFW commands

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

    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
```

5.3 DFW commands

```
    usage:  dfw [-h]
```

```
 usage:  dfw [-h]
            {new-dfw-rule,new-dfw-section,remove-dfw-rule,remove-dfw-section,show-dfw-section,
            ...

 positional arguments:
   {new-dfw-rule,new-dfw-section,remove-dfw-rule,remove-dfw-section,show-dfw-section,show-dfw-s
                         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
```

5.4 NSXAF commands

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

 positional arguments:
   {show-nsxaf-status,show-ids-cluster-status,enable-cluster-ids,disable-cluster-ids,enable-al
                                nsxaf sub-command help
     show-nsxaf-status          Display the status of the NSX Advanced
                                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
```

5.5 Inventory commands

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

positional arguments:
  {new-group,remove-group,show-group,show-group-association,new-service,remove-service,show-se
                        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
```

5.6 System commands

```
usage:  system [-h]
               {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
```

5.7 serach-nsx commands

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

  optional arguments:
    -h, --help                              show this help message and exit
    --nsxm [NSXM]                           Used to specify NSX Manager instead of NSX proxy (Defaul
    -ot {BgpNeighborConfig,BgpRoutingConfig,Group,IdsSignature,PrefixList,RouteBasedIPSecVPNSessic
                                            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}
                             vcdr 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
```

7. Flex Compute commands

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

     positional arguments:
       {activity-status,show-all-namespaces,validate-network,create-flexcompute,delete-flexcomp,sh
                                            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 Compu
```

```
    validate-network                      validate network CIDR before creating Cloud Flex Comp
    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
```