

Global options (account)

Username	--username	VSS_API_USER env variable
Password	--password	VSS_API_USER_PASS env variable.
MFA TOTP Token	--totp	If MFA enabled, will be prompted.
Configuration Path	--config	Alternative configuration path.

Global options (format) vss-cli

Table format to use	--table-format	csv, fancy_grid, github, grid, html, jira...
Custom columns	--columns	Any VM attribute: moref, name, cpu_count, ip_address
Truncates column values	--column-width	0: auto, -1: disable
Don't use headers	--no-headers	When printing tables
Sort output	--sort-by	Sort table by the jsonpath expression.
Output	--output	json yaml table auto ndjson

Virtual Machine (update): compute vm set {id}

CPU	cpu count {n}
Memory	memory size {nGiB}
Disk New (basic)	disk mk -i {nGiB} -i {nGiB}
Power State	state {on off reboot reset shutdown suspend}
Disk New (adv.)	disk mk -i '{"capacity": 100, "scsi": 1}'
Disk Update	disk up {diskN} --capacity {nGiB}
Disk Update (adv.)	disk up {diskN} --capacity {nGiB} --scsi {busN} --notes "data disk e:"
Disk Delete	disk rm {diskN} {diskN}
NIC New	nic mk
NIC Update Net	nic up {nicN} --network {netName}
NIC Update State	nic up {nicN} --state {connect disconnect}
NIC Update Type	nic up {nicN} --adapter {type}
NIC Delete	nic rm {nicN} {nicN}
Storage Type	storage-type {ssd hdd}
Add vTPM	tpm mk

Add --wait to global vss-cli and get immediate change request results.

Virtual Machine (deployment) compute vm mk

Shell VM

```
shell \  
--desc rip tio n="U buntu OS VM deploy men t" \  
--clie nt= {cl ient} --usag e=Prod \  
--os="u bun tu6 4Gu est " --fold er= VSS -CL I-VMs \  
--memo ry= {nGiB} --cpu={n} \  
--net= {ne tName} \  
--disk ={nGiB} --disk ='{ " cap aci ty_ gb": 100}' \  
--iso {isoName} \  
--extr a-c onfig disk.E nab leU UID =TRUE \  
--power-on \  
--firmware efi \  
ubuntu -20 04-vm
```



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Virtual Machine (deployment) compute vm mk (cont)

```
Clone      {from- clone| from- template} \
VM or      --description={ description} \
Template    --source {sourceVM} \
            --custom-spec '{"host name": " ubuntu -clone ", " domain ": " local", " interfaces": [
hcp ": true]]}' \
            --power-on
```

```
Clone      from-clone \
VM (from    --snapshot {snapId} \
snapshot)   --description={ description} \
            --source {sourceVM} \
            --custom-spec vm-clone- spec.yaml \
            --power-on
```

CLI Spec from-file {cli-spec}.{ json|yaml}
(existing)

CLI Spec from-file --edit --save --spec -template {shell |clib| template| clone}
(new)

Retirement requests can be added to shell, from-clone, from-template, from-clib as follows:

--retire-type {timedeltadate time}: Retirement request type. --retire-warning {n}: Days before retirement date to notify. --retire-value {hours }, { days }, { months}: Value for given retirement type.

The power of --columns with vss-cli

Look for a VM by IP address

```
--columns moref, name, folder.path, storage_type, preferences compute vm ls
--columns moref, name, folder.path, storage_type, preferences compute vm ls
```

List including storage type and preferences

```
--columns moref,name,folder.path,storage_type,preferences compute vm ls
```

To show all vm attributes that can be used in the --columns option, use:

```
vss-cli --output yaml compute vm ls -c 1
```

Configure

Initialize configure mk

List configure ls

Set configure set {attr} {name}

Default configuration file is available at ~/.vss-cliconfig.yaml.

VM Inventory

Create compute inventory mk --fmt {json|csv} --all

Download compute inventory dl {id}

You can download with the "Create" command by adding --wait to the global vss-cli. i.e.

```
vss-cli --wait compute inventory
mk --fmt csv --all
```

Virtual Machine Snapshot

Account Notifications

Create now	Format	account set notification format {html text}
compute vm set {id-or -name} snapshot mk \	Filter	account set notification request
--description {description} --lifetime {n<72 all none error completion submission}	Method	account set notification method {mail message}
Create later		
compute vm set {id-or -name} snapshot mk \		
--description {description} --lifetime {n<72 all none error completion submission}		
\		
--timestamp= {YY YY- MM-DD HH:MM}		
List		
compute vm get {id-or -name} snapshot		
Revert		
compute vm set {id-or -name} snapshot revert {snapId}		
Remove		
compute vm set {id-or -name} snapshot revert {snapId}		
Extend snapshot lifetime		
request snapshot set {requestId} duration --lifetime 72		
Remember that every change, new vm submission and snapshot request create a unique ID.		
Account MFA		
Enable		
MFA		
Disable		
MFA		
Verify		
VM Folders		
Create		
compute folder mk --parent= {folder} {folder}		
Rename		
compute folder set {folder} name {new-name}		
Move		
compute folder set {folder} parent {nparent}		

Format account set notification format {html| text}

Filter account set notification request

Method account set notification method {mail| message}

OVF/OVA parsing

Get ovf get {filePath} deployment-params

Deployment ams

Option parameters

Generate ovf get {filePath} params -spec additional-params

spec

Get {snapId} ovf get {filePath} property-params

Property parameters

Raw requests

vss-cli raw {GET|POST|PUT|DELETE|PATCH} {resource}

For example: vss-cli raw GET /status



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