

----- 1: --version -----

rvc --version
1.8.0

----- 1: --help -----

rvc --help
Ruby vSphere Console.

Usage:

rvc [options] [username[:password]@]hostname

where [options] are:

 --path <s>: Initial directory
 --create-directory: Create the initial directory if it doesn't
exist
 --cmd, -c <s>: command to evaluate
 --script, -s <s>: file to execute
 --script-args <s>: arguments to script (default:)
 --cookie, -k <s>: authentication cookie file
 --quiet, -q: silence unnecessary output
 --version, -v: Print version and exit
 --help, -h: Show this message

----- 1: help -----

rvc --cmd help

Namespaces:

basic
vm
vm_guest
vsan
mark
vds
device
vmrc
syslog
role
resource_pool
perf
host
datacenter
core
cluster
permissions
alarm
vnc
issue
find
datastore
connection
snapshot
spbm
esxcli

diagnostics
vim
statsinterval

To see commands in a namespace: help namespace_name
To see detailed help for a command: help namespace_name.command_name

----- 1: alarm -----

rvc --cmd "help alarm"

Commands:

show (alarms): Show alarms on the given entities

===== 2: alarm.show =====

rvc --cmd "help alarm.show"

usage: show entity...

Show alarms on the given entities

entity: Path to a ManagedEntity

--help, -h: Show this message

----- 1: basic -----

rvc --cmd "help basic"

Commands:

type (type): Display information about a VMODL type

help (help): Display this text

debug (debug): Toggle VMOMI logging to stderr

cd (cd): Change directory

ls (ls, l): List objects in a directory

info (info, i): Display information about an object

show (show): Display information about an object

destroy (destroy): Destroy managed entities

reload_entity (reload_entity): Synchronize management server state

what (what, w): Basic information about the given objects

mv (mv): Move entities to another folder

rename (rename): Rename an entity

disconnect (disconnect): Disconnect from a server

mkdir (mkdir): Create a folder

events (events): Show recent events

fields (fields): Show available fields on an object

table (table): Display a table with the selected fields

===== 2: basic.cd =====

rvc --cmd "help basic.cd"

usage: cd obj

Change directory

obj: Directory to change to Object

--help, -h: Show this message

===== 2: basic.debug =====

rvc --cmd "help basic.debug"

usage: debug

Toggle VMOMI logging to stderr

--help, -h: Show this message

===== 2: basic.destroy =====

rcv --cmd "help basic.destroy"

usage: destroy obj...

Destroy managed entities

obj: Path to a ManagedEntity

--help, -h: Show this message

===== 2: basic.disconnect =====

rcv --cmd "help basic.disconnect"

usage: disconnect connection

Disconnect from a server

connection: Path to a RbVmomi::VIM

--help, -h: Show this message

===== 2: basic.events =====

rcv --cmd "help basic.events"

usage: events [opts] [obj]

Show recent events

obj: Path to a Object

--lines, -n <i>: Output the last N events (default: 10)

--help, -h: Show this message

===== 2: basic.fields =====

rcv --cmd "help basic.fields"

usage: fields [obj]

Show available fields on an object

obj: Path to a RVC::InventoryObject

--help, -h: Show this message

===== 2: basic.help =====

rcv --cmd "help basic.help"

usage: help [cmd]

Display this text

cmd: Command or namespace to display help for

--help, -h: Show this message

===== 2: basic.info =====

rcv --cmd "help basic.info"

usage: info path

Display information about an object

path: Path to a Object

--help, -h: Show this message

===== 2: basic.ls =====

rcv --cmd "help basic.ls"

usage: ls [obj]

List objects in a directory

obj: Directory to list Object

--help, -h: Show this message

===== 2: basic.mkdir =====

rcv --cmd "help basic.mkdir"

usage: mkdir path

Create a folder

path: Folder to create

--help, -h: Show this message

===== 2: basic.mv =====

rcv --cmd "help basic.mv"

usage: mv objs...

Move entities to another folder

The entities' names are unchanged.

objs: Entities to move ManagedEntity

--help, -h: Show this message

===== 2: basic.reload_entity =====

rcv --cmd "help basic.reload_entity"

usage: reload_entity obj...

Synchronize management server state

obj: Path to a ManagedEntity

--help, -h: Show this message

===== 2: basic.rename =====

rcv --cmd "help basic.rename"

usage: rename objs name

Rename an entity

objs: Entity to rename ManagedEntity

name: New name

--help, -h: Show this message

===== 2: basic.show =====

rcv --cmd "help basic.show"

usage: show arg0 [arg1]

Display information about an object

arg0:

arg1:

--help, -h: Show this message

===== 2: basic.table =====

rcv --cmd "help basic.table"

usage: table [opts] obj...

Display a table with the selected fields

You may specify the fields to display using multiple -f options, or separate them with ':'. The available fields for an object are shown by the "fields" command.

obj: Path to a RVC::InventoryObject

--field <s>: Field to display
--sort <s>: Field to sort by
--reverse: Reverse sort order
--help, -h: Show this message

===== 2: basic.type =====

rvc --cmd "help basic.type"
usage: type name
Display information about a VMODL type
name: VMODL type name
--help, -h: Show this message

===== 2: basic.what =====

rvc --cmd "help basic.what"
usage: what [obj]...
Basic information about the given objects
obj: Path to a Object
--help, -h: Show this message

----- 1: cluster -----

rvc --cmd "help cluster"
Commands:
create: Create a cluster
add_host: Add a host to a cluster
configure_ha: Configure HA on a cluster
configure_drs: Configure DRS on a cluster
configure_swap: Configure VM Swap Placement on a cluster
recommendations: List recommendations
apply_recommendations: Apply recommendations

===== 2: cluster.add_host =====

rvc --cmd "help cluster.add_host"
usage: add_host [opts] cluster hostnames...
Add a host to a cluster
cluster: Path to a ClusterComputeResource
hostnames:
--username, -u <s>: Username (default: root)
--password, -p <s>: Password (default:)
--insecure, -k: Ignore SSL thumbprint
--force: Force, e.g when host is already managed by
other VC
--help, -h: Show this message

===== 2: cluster.apply_recommendations

=====

rvc --cmd "help cluster.apply_recommendations"
usage: apply_recommendations [opts] cluster
Apply recommendations
cluster: Path to a ClusterComputeResource
--key <s>: Key of a recommendation to execute

--type <s>: Type of actions to perform
--help, -h: Show this message

```
===== 2: cluster.configure_drs =====  
rvc --cmd "help cluster.configure_drs"  
usage: configure_drs [opts] cluster...  
Configure DRS on a cluster  
  --disabled: Disable HA  
  --mode <s>: DRS mode (manual, partiallyAutomated, fullyAutomated)  
  cluster: Path to a Cluster ClusterComputeResource  
  --help, -h: Show this message
```

```
===== 2: cluster.configure_ha =====  
rvc --cmd "help cluster.configure_ha"  
usage: configure_ha [opts] cluster...  
Configure HA on a cluster  
  cluster: Path to a ClusterComputeResource  
  --disabled: Disable HA  
  --help, -h: Show this message
```

```
===== 2: cluster.configure_swap =====  
rvc --cmd "help cluster.configure_swap"  
usage: configure_swap [opts] cluster...  
Configure VM Swap Placement on a cluster  
  --mode <s>: Swap mode (hostLocal, vmDirectory)  
  cluster: Path to a Cluster ClusterComputeResource  
  --help, -h: Show this message
```

```
===== 2: cluster.create =====  
rvc --cmd "help cluster.create"  
usage: create dest  
Create a cluster  
  dest: Child of a Folder  
  --help, -h: Show this message
```

```
===== 2: cluster.recommendations =====  
rvc --cmd "help cluster.recommendations"  
usage: recommendations cluster  
List recommendations  
  cluster: Path to a ClusterComputeResource  
  --help, -h: Show this message
```

```
----- 1: connection -----  
rvc --cmd "help connection"  
Commands:  
switch: Switch to another connection  
list: List connections
```

```
===== 2: connection.list =====  
rvc --cmd "help connection.list"
```

usage: list

List connections

--help, -h: Show this message

===== 2: connection.switch =====

rvc --cmd "help connection.switch"

usage: switch name

Switch to another connection

name: Connection name

--help, -h: Show this message

----- 1: core -----

rvc --cmd "help core"

Commands:

quit (quit, exit, q): Exit RVC

reload (reload): Reload RVC command modules and extensions

===== 2: core.quit =====

rvc --cmd "help core.quit"

usage: quit

Exit RVC

--help, -h: Show this message

===== 2: core.reload =====

rvc --cmd "help core.reload"

usage: reload [opts]

Reload RVC command modules and extensions

--verbose, -v: Display filenames loaded

--help, -h: Show this message

----- 1: datacenter -----

rvc --cmd "help datacenter"

Commands:

create: Create a datacenter

===== 2: datacenter.create =====

rvc --cmd "help datacenter.create"

usage: create dest

Create a datacenter

dest: Child of a Folder or RbVmomi::VIM

--help, -h: Show this message

----- 1: datastore -----

rvc --cmd "help datastore"

Commands:

download: Download a file from a datastore

upload: Upload a file to a datastore

mkdir: Create a directory on a datastore

edit (vi): Edit a file

find_orphans: Finds directories on the datastore that don't belong to

any registered VM
delete: Deletes the specified files or folders from the datastore

===== 2: datastore.delete =====

rcv --cmd "help datastore.delete"
usage: delete objs...
Deletes the specified files or folders from the datastore
 objs: Path to a RVC::InventoryObject
 --help, -h: Show this message

===== 2: datastore.download =====

rcv --cmd "help datastore.download"
usage: download datastore-path local-path
Download a file from a datastore
 datastore-path: Filename on the datastore
RbVmomi::VIM::Datastore::FakeDatastoreFile
 local-path: Filename on the local machine
 --help, -h: Show this message

===== 2: datastore.edit =====

rcv --cmd "help datastore.edit"
usage: edit file
Edit a file
 file: Path to a RbVmomi::VIM::Datastore::FakeDatastoreFile
 --help, -h: Show this message

===== 2: datastore.find_orphans =====

rcv --cmd "help datastore.find_orphans"
usage: find_orphans [opts] datastore
Finds directories on the datastore that don't belong to any registered VM
 datastore: Path to a Datastore
 --mark <s>: Name of the mark to save results in
 --help, -h: Show this message

===== 2: datastore.mkdir =====

rcv --cmd "help datastore.mkdir"
usage: mkdir path
Create a directory on a datastore
 path: Directory to create on the datastore
 --help, -h: Show this message

===== 2: datastore.upload =====

rcv --cmd "help datastore.upload"
usage: upload local-path datastore-path
Upload a file to a datastore
 local-path: Filename on the local machine
 datastore-path: Filename on the datastore
RbVmomi::VIM::Datastore::FakeDatastoreFolder
 --help, -h: Show this message


```
----- 1: device -----
rvc --cmd "help device"
Commands:
connect: Connect a virtual device
disconnect: Disconnect a virtual device
remove: Remove a virtual device
add_net: Add a network adapter to a virtual machine
reconfig_net: Attach a network adapter to a different network
add_disk: Add a hard drive to a virtual machine
add_cdrom: Add a cdrom drive
insert_cdrom: Put a disc in a virtual CDROM drive
add_scsi_controller: Add a virtual SCSI controller to a VM
add_serial: Add a virtual serial port to a VM
connect_serial_uri: Connect a virtual serial port to the given network
URI
```

```
===== 2: device.add_cdrom =====
rvc --cmd "help device.add_cdrom"
usage: add_cdrom [opts] vm
Add a cdrom drive
  vm: Path to a VirtualMachine
  --controller <s>:  Virtual controller
  --help, -h:      Show this message
```

```
===== 2: device.add_disk =====
rvc --cmd "help device.add_disk"
usage: add_disk [opts] vm [path]
Add a hard drive to a virtual machine
  vm: Path to a VirtualMachine
  path: Filename on the datastore
RbVmomi::VIM::Datastore::FakeDatastoreFolder
  --size <s>:      Size (default: 10G)
  --controller <s>:  Virtual controller
  --file-op <s>:   File operation (create|reuse|replace) (default:
create)
  --thick:        Use thick provisioning
  --help, -h:    Show this message
```

```
===== 2: device.add_net =====
rvc --cmd "help device.add_net"
usage: add_net [opts] vm network
Add a network adapter to a virtual machine
  vm: Path to a VirtualMachine
  network: Path to a Network
  --type <s>:     Adapter type (default: e1000)
  --help, -h:    Show this message
```

```
===== 2: device.add_scsi_controller
=====
```

```
rvc --cmd "help device.add_scsi_controller"
usage: add_scsi_controller [opts] vm
Add a virtual SCSI controller to a VM
  vm: Path to a VirtualMachine
  --type <s>:    pvscsi/buslogic/lsilogic/lsilogic-sas (default:
lsilogic)
  --sharing <s>: noSharing/virtualSharing/physicalSharing (default:
noSharing)
  --hot-add:    Enable hot-add/remove
  --help, -h:  Show this message
```

```
===== 2: device.add_serial =====
```

```
rvc --cmd "help device.add_serial"
usage: add_serial vm
Add a virtual serial port to a VM
  vm: Path to a VirtualMachine
  --help, -h:  Show this message
```

```
===== 2: device.connect =====
```

```
rvc --cmd "help device.connect"
usage: connect device...
Connect a virtual device
  device: Path to a VirtualDevice
  --help, -h:  Show this message
```

```
===== 2: device.connect_serial_uri =====
```

```
rvc --cmd "help device.connect_serial_uri"
usage: connect_serial_uri [opts] dev uri
Connect a virtual serial port to the given network URI
  dev: Path to a VirtualSerialPort
  uri: URI
  --client, -c:  Connect to another machine
  --server, -s:  Listen for incoming connections
  --help, -h:  Show this message
```

```
===== 2: device.disconnect =====
```

```
rvc --cmd "help device.disconnect"
usage: disconnect device...
Disconnect a virtual device
  device: Path to a VirtualDevice
  --help, -h:  Show this message
```

```
===== 2: device.insert_cdrom =====
```

```
rvc --cmd "help device.insert_cdrom"
usage: insert_cdrom dev iso
Put a disc in a virtual CDROM drive
  dev: Path to a VirtualDevice
  iso: Path to the ISO image on a datastore
RbVmomi::VIM::Datastore::FakeDatastoreFile
  --help, -h:  Show this message
```

```
===== 2: device.reconfig_net =====
rcv --cmd "help device.reconfig_net"
usage: reconfig_net [opts] device...
Attach a network adapter to a different network
  device: Path to a VirtualDevice
  --network <s>: Network to attach to
  --help, -h: Show this message
```

```
===== 2: device.remove =====
rcv --cmd "help device.remove"
usage: remove [opts] device...
Remove a virtual device
  device: Path to a VirtualDevice
  --no-destroy: Do not delete backing files
  --help, -h: Show this message
```

```
----- 1: diagnostics -----
rcv --cmd "help diagnostics"
Commands:
restart_services: Restart all services in hosts
vm_create: Check that VMs can be created on all hosts in a cluster
```

```
===== 2: diagnostics.restart_services =====
rcv --cmd "help diagnostics.restart_services"
usage: restart_services [opts] cluster...
Restart all services in hosts
  cluster: Path to a ComputeResource
  --host, -n <s>: Host name (multi ok)
  --password, -p <s>: Host password (multi ok)
  --help, -h: Show this message
```

```
===== 2: diagnostics.vm_create =====
rcv --cmd "help diagnostics.vm_create"
usage: vm_create [opts] cluster...
Check that VMs can be created on all hosts in a cluster
  cluster: Path to a ComputeResource
  --datastore <s>: Datastore to put (temporary) VMs on
  --vm-folder <s>: VM Folder to place (temporary) VMs in
  --timeout <i>: Time to wait for VM creation to finish
  (default: 180)
  --fix: Fix the failing ESX hosts
  --password, -p <s>: Passwords for fixing hosts
  --help, -h: Show this message
```

```
----- 1: esxcli -----
rcv --cmd "help esxcli"
Commands:
execute (esxcli, x): Execute an esxcli command
```

```
===== 2: esxcli.execute =====  
rvc --cmd "help esxcli.execute"
```

```
----- 1: find -----  
rvc --cmd "help find"
```

Commands:

find (find): Find objects matching certain criteria

```
===== 2: find.find =====  
rvc --cmd "help find.find"
```

usage: find [opts] [args]...

Find objects matching certain criteria

args: Paths or +terms

--mark <s>: Store results in an aggregate mark (default: A)

--type <s>: Type of objects to return

--help, -h: Show this message

```
----- 1: host -----  
rvc --cmd "help host"
```

Commands:

reboot: Reboot hosts

restart_services: Restart all services in hosts

evacuate: vMotion all VMs away from this host (experimental)

enter_maintenance_mode: Put hosts into maintenance mode

exit_maintenance_mode: Take hosts out of maintenance mode

disconnect: Disconnect a host

reconnect: Reconnect a host

add_iscsi_target:

add_nfs_datastore:

rescan_storage: Rescan HBAs and VMFS

select_vmknics_for_service: Selects a vmknics for a particular service

deselect_vmknics_for_service: Selects a vmknics for a particular service

```
===== 2: host.add_iscsi_target =====  
rvc --cmd "help host.add_iscsi_target"
```

usage: add_iscsi_target [opts] host...

host: Path to a HostSystem

--address, -a <s>: Address of iSCSI server

--iqn, -i <s>: IQN of iSCSI target

--dynamic-target, -d: Use Dynamic target Discovery

--help, -h: Show this message

```
===== 2: host.add_nfs_datastore =====  
rvc --cmd "help host.add_nfs_datastore"
```

usage: add_nfs_datastore [opts] host...

host: Path to a HostSystem

--name, -n <s>: Datastore name

--address, -a <s>: Address of NFS server

--path, -p <s>: Path on NFS server

--help, -h: Show this message

=====
2: host.deselect_vmknics_for_service
=====

```
rcv --cmd "help host.deselect_vmknics_for_service"
usage: deselect_vmknics_for_service vmknics service host...
Selects a vmknics for a particular service
  vmknics: Name of vmknics
  service: e.g.: vmotion
  host: Path to a HostSystem
  --help, -h: Show this message
```

=====
2: host.disconnect
=====

```
rcv --cmd "help host.disconnect"
usage: disconnect host...
Disconnect a host
  host: Path to a HostSystem
  --help, -h: Show this message
```

=====
2: host.enter_maintenance_mode
=====

```
rcv --cmd "help host.enter_maintenance_mode"
usage: enter_maintenance_mode [opts] host...
Put hosts into maintenance mode
  host: Path to a HostSystem
  --timeout <i>: Timeout (default: 0)
  --evacuate-powered-off-vm: Evacuate powered off vms
  --no-wait: Don't wait for Task to complete
  --help, -h: Show this message
```

=====
2: host.evacuate
=====

```
rcv --cmd "help host.evacuate"
usage: evacuate [opts] src dst...
vMotion all VMs away from this host (experimental)
  src: Path to a HostSystem
  dst: Path to a ComputeResource
  --num <i>: Maximum concurrent vMotions (default: 4)
  --help, -h: Show this message
```

=====
2: host.exit_maintenance_mode
=====

```
rcv --cmd "help host.exit_maintenance_mode"
usage: exit_maintenance_mode [opts] host...
Take hosts out of maintenance mode
  host: Path to a HostSystem
  --timeout <i>: Timeout (default: 0)
  --help, -h: Show this message
```

=====
2: host.reboot
=====

```
rcv --cmd "help host.reboot"
```

usage: reboot [opts] host...

Reboot hosts

host: Path to a HostSystem

--force: Reboot even if not in maintenance mode

--wait: Wait for the host to be connected again

--help, -h: Show this message

===== 2: host.reconnect =====

rvc --cmd "help host.reconnect"

usage: reconnect [opts] host...

Reconnect a host

host: Path to a HostSystem

--username, -u <s>: Username (default: root)

--password, -p <s>: Password (default:)

--help, -h: Show this message

===== 2: host.rescan_storage =====

rvc --cmd "help host.rescan_storage"

usage: rescan_storage host...

Rescan HBAs and VMFS

host: Path to a HostSystem

--help, -h: Show this message

===== 2: host.restart_services =====

rvc --cmd "help host.restart_services"

usage: restart_services [opts] host...

Restart all services in hosts

host: Path to a HostSystem

--password <s>: Host Password (default:)

--help, -h: Show this message

===== 2: host.select_vmknics_for_service =====

=====

rvc --cmd "help host.select_vmknics_for_service"

usage: select_vmknics_for_service vmknics service host...

Selects a vmknics for a particular service

vmknics: Name of vmknics

service: e.g.: vmotion

host: Path to a HostSystem

--help, -h: Show this message

----- 1: issue -----

rvc --cmd "help issue"

Commands:

show (issues): Show issues on the given entities

===== 2: issue.show =====

rvc --cmd "help issue.show"

usage: show entity...

Show issues on the given entities

entity: Path to a ManagedEntity
--help, -h: Show this message

----- 1: mark -----

rvc --cmd "help mark"

Commands:

mark (mark, m): Save an object for later use

edit (me): Edit objects referenced by a mark

list: List marks

===== 2: mark.edit =====

rvc --cmd "help mark.edit"

usage: edit key

Edit objects referenced by a mark

key: Name of mark

--help, -h: Show this message

===== 2: mark.list =====

rvc --cmd "help mark.list"

usage: list

List marks

--help, -h: Show this message

===== 2: mark.mark =====

rvc --cmd "help mark.mark"

usage: mark key [obj]...

Save an object for later use

key: Name for this mark

obj: Any objects Object

--help, -h: Show this message

----- 1: perf -----

rvc --cmd "help perf"

Commands:

plot:

Example:

perf.plot cpu.usagemhz myvm myvm2 --start '20 minutes ago'

See perf.counters to determine which performance counters are available.

watch: Watch a graph of the given performance counters

counters: Display available perf counters

counter: Retrieve detailed information about a perf counter

modify_counters: Modify perf counter settings

stats: Retrieve performance stats for given object

===== 2: perf.plot =====

rvc --cmd "help perf.plot"

usage: plot [opts] counter obj...

Plot a graph of the given performance counters

```
counter: Counter name
obj: ManagedEntity
    --terminal:    Display plot on terminal (default: true)
--start, -s <date>:    Start time
    --end, -e <date>:    End time
```

Example:

```
perf.plot cpu.usagemhz myvm myvm2 --start '20 minutes ago'
```

See perf.counters to determine which performance counters are available.

```
--help, -h:    Show this message
```

```
----- 1: permissions -----
```

```
rvc --cmd "help permissions"
```

Commands:

get: Display the permissions of a managed entity

set: Set the permissions on a managed entity

remove: Remove permissions for the given user from a managed entity

```
===== 2: permissions.get =====
```

```
rvc --cmd "help permissions.get"
```

usage: get obj...

Display the permissions of a managed entity

obj: Path to a ManagedEntity

```
--help, -h:    Show this message
```

```
===== 2: permissions.remove =====
```

```
rvc --cmd "help permissions.remove"
```

usage: remove [opts] obj...

Remove permissions for the given user from a managed entity

obj: Path to a ManagedEntity

```
--principal <s>:    Principal
```

```
    --group:    Does the principal refer to a group?
```

```
    --help, -h:    Show this message
```

```
===== 2: permissions.set =====
```

```
rvc --cmd "help permissions.set"
```

usage: set [opts] obj...

Set the permissions on a managed entity

obj: Path to a ManagedEntity

```
    --role <s>:    Role
```

```
    --principal <s>:    Principal
```

```
    --group:    Does the principal refer to a group?
```

```
    --propagate:    Propagate?
```

```
    --help, -h:    Show this message
```

```
----- 1: resource_pool -----
```

```
rvc --cmd "help resource_pool"
```

Commands:

create: Create a resource pool
update: Update a resource pool
storage: Show the storage used by a resource pool hierarchy

===== 2: resource_pool.create =====

rvc --cmd "help resource_pool.create"

usage: create [opts] name parent

Create a resource pool

name: Name of the new resource pool.

parent: Path to a ResourcePool

--cpu-limit <i>: CPU limit in Mhz

--cpu-reservation <i>: CPU reservation in Mhz

--cpu-shares <s>: CPU shares level or number (default:

normal)

--cpu-expandable: Whether CPU reservation can be expanded

--mem-limit <i>: Memory limit in MB

--mem-reservation <i>: Memory reservation in MB

--mem-shares <s>: Memory shares level or number (default:

normal)

--mem-expandable: Whether memory reservation can be expanded

--help, -h: Show this message

===== 2: resource_pool.storage =====

rvc --cmd "help resource_pool.storage"

usage: storage pool

Show the storage used by a resource pool hierarchy

pool: Path to a ResourcePool

--help, -h: Show this message

===== 2: resource_pool.update =====

rvc --cmd "help resource_pool.update"

usage: update [opts] pool

Update a resource pool

pool: Path to a ResourcePool

--name <s>: New name for the resource pool

--cpu-limit <i>: CPU limit in Mhz

--cpu-reservation <i>: CPU reservation in Mhz

--cpu-shares <s>: CPU shares level or number (default:

normal)

--cpu-expandable: Whether CPU reservation can be expanded

--mem-limit <i>: Memory limit in MB

--mem-reservation <i>: Memory reservation in MB

--mem-shares <s>: Memory shares level or number (default:

normal)

--mem-expandable: Whether memory reservation can be expanded

--help, -h: Show this message

----- 1: role -----

rvc --cmd "help role"

Commands:

list: List roles in the system
get: Display information about a role
permissions: List permissions given to this role
create: Create a new role
delete: Delete a role
rename: Rename a role
add_privilege: Add privileges to a role
remove_privilege: Remove privileges from a role

===== 2: role.add_privilege =====

rcv --cmd "help role.add_privilege"
usage: add_privilege name privileges...
Add privileges to a role
name: Role name
privileges: Privileges
--help, -h: Show this message

===== 2: role.create =====

rcv --cmd "help role.create"
usage: create name [privilege]...
Create a new role
name: Name of the role
privilege: Privileges to assign
--help, -h: Show this message

===== 2: role.delete =====

rcv --cmd "help role.delete"
usage: delete [opts] name
Delete a role
name: Name of the role
--force: Don't fail if the role is in use
--help, -h: Show this message

===== 2: role.get =====

rcv --cmd "help role.get"
usage: get role
Display information about a role
role: Role
--help, -h: Show this message

===== 2: role.list =====

rcv --cmd "help role.list"
usage: list
List roles in the system
--help, -h: Show this message

===== 2: role.permissions =====

rcv --cmd "help role.permissions"
usage: permissions role
List permissions given to this role

role: Role
--help, -h: Show this message

```
===== 2: role.remove_privilege =====  
rvc --cmd "help role.remove_privilege"  
usage: remove_privilege name privileges...  
Remove privileges from a role  
  name: Role name  
  privileges: Privileges  
  --help, -h: Show this message
```

```
===== 2: role.rename =====  
rvc --cmd "help role.rename"  
usage: rename old new  
Rename a role  
  old: Old name  
  new: New name  
  --help, -h: Show this message
```

```
----- 1: snapshot -----  
rvc --cmd "help snapshot"  
Commands:  
create (snapshot): Snapshot a VM  
revert: Revert a VM to a snapshot. Defaults to the current snapshot.  
rename: Rename a snapshot  
describe: Change the description of a snapshot  
remove: Remove snapshots
```

```
===== 2: snapshot.create =====  
rvc --cmd "help snapshot.create"  
usage: create [opts] vm name  
Snapshot a VM  
  vm: Path to a VirtualMachine  
  name: Name of new snapshot  
  --description, -d <s>: Description (default: )  
  --quiesce, -q: Quiesce  
  --memory, -m: Memory (default: true)  
  --help, -h: Show this message
```

```
===== 2: snapshot.describe =====  
rvc --cmd "help snapshot.describe"  
usage: describe snapshot description  
Change the description of a snapshot  
  snapshot: Path to a Snapshot  
  description: New description  
  --help, -h: Show this message
```

```
===== 2: snapshot.remove =====  
rvc --cmd "help snapshot.remove"  
usage: remove [opts] snapshots...
```

Remove snapshots

snapshots: Path to a Snapshot
--remove-children: Whether to remove the snapshot's children too
--no-consolidate: Don't consolidate
--help, -h: Show this message

===== 2: snapshot.rename =====

rvc --cmd "help snapshot.rename"

usage: rename snapshot name

Rename a snapshot

snapshot: Path to a Snapshot

name: New name

--help, -h: Show this message

===== 2: snapshot.revert =====

rvc --cmd "help snapshot.revert"

usage: revert arg

Revert a VM to a snapshot. Defaults to the current snapshot.

arg: Path to a VirtualMachine or Snapshot

--help, -h: Show this message

----- 1: spbm -----

rvc --cmd "help spbm"

Commands:

profile_delete: Delete a VM Storage Profile

profile_apply: Apply a VM Storage Profile. Pushed profile content to Storage system

profile_create: Create a VM Storage Profile

device_change_storage_profile: Change storage profile of a virtual disk

check_compliance: Check compliance

namespace_change_storage_profile: Change storage profile of VM namespace

vm_change_storage_profile: Change storage profile of VM namespace and its disks

device_add_disk: Add a hard drive to a virtual machine

===== 2: spbm.check_compliance =====

rvc --cmd "help spbm.check_compliance"

usage: check_compliance vm...

Check compliance

vm: Path to a VirtualMachine

--help, -h: Show this message

===== 2: spbm.device_add_disk =====

rvc --cmd "help spbm.device_add_disk"

usage: device_add_disk [opts] vm [path]

Add a hard drive to a virtual machine

vm: Path to a VirtualMachine

path: Filename on the datastore

```
RbVmomi::VIM::Datastore::FakeDatastoreFolder
  --size <s>:    Size (default: 10G)
  --controller <s>:    Virtual controller
  --file-op <s>:    File operation (create|reuse|replace) (default:
create)
  --profile <s>:    Profile
  --help, -h:    Show this message
```

```
===== 2: spbm.device_change_storage_profile
```

```
=====
rvc --cmd "help spbm.device_change_storage_profile"
usage: device_change_storage_profile [opts] device...
Change storage profile of a virtual disk
  device: Path to a VirtualDevice
  --profile <s>:    Profile
  --help, -h:    Show this message
```

```
===== 2: spbm.namespace_change_storage_profile
```

```
=====
rvc --cmd "help spbm.namespace_change_storage_profile"
usage: namespace_change_storage_profile [opts] vm...
Change storage profile of VM namespace
  vm: Path to a VirtualMachine
  --profile <s>:    Profile
  --help, -h:    Show this message
```

```
===== 2: spbm.profile_apply =====
```

```
rvc --cmd "help spbm.profile_apply"
usage: profile_apply profile...
Apply a VM Storage Profile. Pushed profile content to Storage system
  profile: Path to a PbmCapabilityProfile
  --help, -h:    Show this message
```

```
===== 2: spbm.profile_create =====
```

```
rvc --cmd "help spbm.profile_create"
usage: profile_create [opts] name
Create a VM Storage Profile
  name:
  --description <s>:    Description
  --rule <s>:    Rule in format <provider>.<capability>=<value>
  --help, -h:    Show this message
```

```
===== 2: spbm.profile_delete =====
```

```
rvc --cmd "help spbm.profile_delete"
usage: profile_delete profile...
Delete a VM Storage Profile
  profile: Path to a PbmCapabilityProfile
  --help, -h:    Show this message
```

```
===== 2: spbm.vm_change_storage_profile
```

=====

```
rvc --cmd "help spbm.vm_change_storage_profile"
usage: vm_change_storage_profile [opts] vm...
Change storage profile of VM namespace and its disks
  vm: Path to a VirtualMachine
  --profile <s>: Profile
  --help, -h: Show this message
```

----- 1: statsinterval -----

```
rvc --cmd "help statsinterval"
Commands:
list: List intervals for collecting vCenter statistics
update: Update intervals for collecting vCenter statistics
```

===== 2: statsinterval.list =====

```
rvc --cmd "help statsinterval.list"
usage: list
List intervals for collecting vCenter statistics
  --help, -h: Show this message
```

===== 2: statsinterval.update =====

```
rvc --cmd "help statsinterval.update"
usage: update [opts] name
Update intervals for collecting vCenter statistics
  name: Name of the historical interval
  --period, -s <i>: Number of seconds that data is sampled
  --length, -l <i>: Number of seconds that the statistics are saved
  --level, -v <i>: Statistics collection level
  --enabled, -e <s>: Enable or disable the the interval
  --help, -h: Show this message
```

----- 1: syslog -----

```
rvc --cmd "help syslog"
Commands:
config_syslog: Configure Syslog
```

===== 2: syslog.config_syslog =====

```
rvc --cmd "help syslog.config_syslog"
usage: config_syslog [opts] entity ip
Configure Syslog
  entity: Path to a RbVmomi::VIM or HostSystem or ComputeResource or
ClusterComputeResource
  ip:
  --vc-root-pwd <s>: VC root password for SSH access (default:
vmware)
  --help, -h: Show this message
```

----- 1: vds -----

```
rvc --cmd "help vds"
Commands:
```

summarize:
 create_portgroup: Create a new portgroup on a vDS
 create_vds: Create a new vDS
 shaper: Configure a traffic shaping on a vDS or portgroup
 block (shut): Block traffic on a vDS, portgroup, or port
 unblock (no-shut): Unblock traffic on a vDS, portgroup, or port
 vlan_trunk: Configure a VLAN range on a vDS or portgroup to be trunked
 vlan_switchtag: Configure a VLAN on a vDS or portgroup for vSwitch tagging
 security: Configure a security settings on a vDS or portgroup
 unset_respool: Remove vDS portgroup or port from a network resource pool
 set_respool: Remove vDS portgroup or port from a network resource pool
 show_running_config: Dump the configuration of a vDS and all child portgroups
 show_all_portgroups: Show all portgroups in a given path.
 show_all_vds: Show all vDS's in a given path.
 show_all_ports: Show all ports in a given vDS/portgroup.
 add_hosts: Add hosts to a vDS
 create_vmknics: Create a vmknics on vDS on one or more hosts. Always uses DHCP
 migrate_vmknics: Migrate a vmknics from a standard vSwitch to a vDS.

===== 2: vds.add_hosts =====

```

rcv --cmd "help vds.add_hosts"
usage: add_hosts [opts] vds hosts...
Add hosts to a vDS
  vds: Path to a DistributedVirtualSwitch
  hosts: Path to a HostSystem
  --vmnic <s>: Name of vmnic (multiple allowed)
  --help, -h: Show this message

```

===== 2: vds.block =====

```

rcv --cmd "help vds.block"
usage: block obj
Block traffic on a vDS, portgroup, or port
  obj: Path to a DistributedVirtualPort or DistributedVirtualPortgroup
or
DistributedVirtualSwitch
  --help, -h: Show this message

```

===== 2: vds.create_portgroup =====

```

rcv --cmd "help vds.create_portgroup"
usage: create_portgroup [opts] vds name
Create a new portgroup on a vDS
  vds: Path to a DistributedVirtualSwitch
  name: Portgroup Name
  --num-ports <i>: Number of Ports (default: 128)
  --type <s>: Portgroup Type (i.e. 'earlyBinding', 'ephemeral',
              'lateBinding' (default: earlyBinding)

```

--help, -h: Show this message

===== 2: vds.create_vds =====

rvc --cmd "help vds.create_vds"

usage: create_vds [opts] dest

Create a new vDS

dest: Destination Folder

--vds-version <s>: vDS version (i.e. '5.0.0', '4.1.0', '4.0.0')

--help, -h: Show this message

===== 2: vds.create_vmknics =====

rvc --cmd "help vds.create_vmknics"

usage: create_vmknics portgroup hosts...

Create a vmknics on vDS on one or more hosts. Always uses DHCP

portgroup: Path to a Network

hosts: Path to a HostSystem

--help, -h: Show this message

===== 2: vds.migrate_vmknics =====

rvc --cmd "help vds.migrate_vmknics"

usage: migrate_vmknics host vmknics portgroup

Migrate a vmknics from a standard vSwitch to a vDS.

host: Path to a HostSystem

vmknics:

portgroup: Path to a Network

--help, -h: Show this message

===== 2: vds.security =====

rvc --cmd "help vds.security"

usage: security [opts] obj

Configure a security settings on a vDS or portgroup

obj: Path to a DistributedVirtualPort or DistributedVirtualPortgroup

or

DistributedVirtualSwitch

--allow-promisc: Allow VMs to enter promiscuous mode

--deny-promisc: Prevent VMs from entering promiscuous mode

--allow-mac-changes: Allow VMs to change their MAC addresses from within

the Guest OS.

--deny-mac-changes: Prevent VMs from changing their MAC addresses from

within the Guest OS.

--allow-forged: Allow VMs to transmit packets originating from other

MAC addresses

--deny-forged: Prevent VMs from transmitting packets originating from

other MAC addresses

--help, -h: Show this message


```
===== 2: vds.set_respool =====
rcv --cmd "help vds.set_respool"
usage: set_respool obj respool
Remove vDS portgroup or port from a network resource pool
  obj: Path to a DistributedVirtualPort or DistributedVirtualPortgroup
  respool: Path to a DVSNetworkResourcePool
  --help, -h: Show this message
```

```
===== 2: vds.shaper =====
rcv --cmd "help vds.shaper"
usage: shaper [opts] obj
Configure a traffic shaping on a vDS or portgroup
  obj: Path to a DistributedVirtualPort or DistributedVirtualPortgroup
or
DistributedVirtualSwitch
  --tx: Apply Settings for Tx Shaping
  --rx: Apply Settings for Rx Shaping
  --enable: Enable Traffic Shaping
  --disable: Disable Traffic Shaping
  --average-bw <i>: Average Bandwidth in kilobits per second
  --burst-size <i>: Maximum burst size allowed in kilobytes
  --peak-bw <i>: Peak bandwidth during bursts in kilobits per
second
  --help, -h: Show this message
```

```
===== 2: vds.show_all_portgroups =====
rcv --cmd "help vds.show_all_portgroups"
usage: show_all_portgroups [path]...
Show all portgroups in a given path.
  path: Path to a RVC::InventoryObject
  --help, -h: Show this message
```

```
===== 2: vds.show_all_ports =====
rcv --cmd "help vds.show_all_ports"
usage: show_all_ports [path]...
Show all ports in a given vDS/portgroup.
  path: Path to a DistributedVirtualSwitch or
DistributedVirtualPortgroup
  --help, -h: Show this message
```

```
===== 2: vds.show_all_vds =====
rcv --cmd "help vds.show_all_vds"
usage: show_all_vds [path]...
Show all vDS's in a given path.
  path: Path to a RVC::InventoryObject
  --help, -h: Show this message
```

```
===== 2: vds.show_running_config =====
rcv --cmd "help vds.show_running_config"
usage: show_running_config vds
```

Dump the configuration of a vDS and all child portgroups

vds: Path to a DistributedVirtualSwitch

--help, -h: Show this message

===== 2: vds.summarize =====

rvc --cmd "help vds.summarize"

usage: summarize obj

obj: Path to a ManagedObject

--help, -h: Show this message

===== 2: vds.unblock =====

rvc --cmd "help vds.unblock"

usage: unblock obj

Unblock traffic on a vDS, portgroup, or port

obj: Path to a DistributedVirtualPort or DistributedVirtualPortgroup

or

DistributedVirtualSwitch

--help, -h: Show this message

===== 2: vds.unset_respool =====

rvc --cmd "help vds.unset_respool"

usage: unset_respool obj

Remove vDS portgroup or port from a network resource pool

obj: Path to a DistributedVirtualPort or DistributedVirtualPortgroup

--help, -h: Show this message

===== 2: vds.vlan_switchtag =====

rvc --cmd "help vds.vlan_switchtag"

usage: vlan_switchtag obj vlan

Configure a VLAN on a vDS or portgroup for vSwitch tagging

obj: Path to a DistributedVirtualPort or DistributedVirtualPortgroup

or

DistributedVirtualSwitch

vlan: VLAN id

--help, -h: Show this message

===== 2: vds.vlan_trunk =====

rvc --cmd "help vds.vlan_trunk"

usage: vlan_trunk [opts] obj vlan

Configure a VLAN range on a vDS or portgroup to be trunked

obj: Path to a DistributedVirtualPort or DistributedVirtualPortgroup

or

DistributedVirtualSwitch

vlan: VLAN Configuration (i.e. '1000-2000', '2012', '2012,3013', '1000-2000,2012')

--append: Append new VLAN settings to configuration, rather than replacing the existing settings

--exclude: Remove a specific range of VLAN settings from configuration.

--help, -h: Show this message

----- 1: vim -----

rvc --cmd "help vim"

Commands:

connect (connect): Open a connection to ESX/VC

tasks: Watch tasks in progress

logbundles: Download log bundles

===== 2: vim.connect =====

rvc --cmd "help vim.connect"

usage: connect [opts] uri

Open a connection to ESX/VC

uri: Host to connect to

--rev <s>: Override protocol revision

--help, -h: Show this message

===== 2: vim.logbundles =====

rvc --cmd "help vim.logbundles"

usage: logbundles [opts] servers...

Download log bundles

servers: VIM connection and/or ESX hosts RbVmomi::VIM or HostSystem

--dest <s>: Destination directory (default: .)

--help, -h: Show this message

===== 2: vim.tasks =====

rvc --cmd "help vim.tasks"

usage: tasks

Watch tasks in progress

--help, -h: Show this message

----- 1: vm -----

rvc --cmd "help vm"

Commands:

on (on): Power on VMs

off (off): Power off VMs

reset (reset, r): Reset VMs

suspend (suspend, s): Suspend VMs

wait_for_shutdown: Waits for a VM to shutdown

shutdown_guest: Shut down guest OS

standby_guest: Suspend guest OS

reboot_guest: Reboot guest OS

create: Create a new VM

register: Register a VM already in a datastore

bootconfig: Alter the boot config settings

unregister: Unregister a VM

kill (kill, k): Power off and destroy VMs

answer: Answer a VM question

layout: Display info about VM files

find: Display a menu of VMX files to register

extra_config: Display extraConfig options
set_extra_config: Set extraConfig options
ssh (ssh): SSH to a VM
rvc (rvc): RVC to a VM
rdp (rdp): Connect via RDP
ping (ping): Ping a VM
ip: Wait for and display VM IP addresses
migrate: Migrate a VM
clone: Clone a VM
annotate: Change a VM's annotation
modify_cpu: Change CPU configuration
modify_memory: Change memory configuration
screenshot (screenshot): Take a screenshot of a VM

===== 2: vm.annotate =====

```
rvc --cmd "help vm.annotate"
usage: annotate vm annotation
Change a VM's annotation
  vm: Path to a VirtualMachine
  annotation:
  --help, -h: Show this message
```

===== 2: vm.answer =====

```
rvc --cmd "help vm.answer"
usage: answer choice vm...
Answer a VM question
  choice: Answer ID
  vm: Path to a VirtualMachine
  --help, -h: Show this message
```

===== 2: vm.bootconfig =====

```
rvc --cmd "help vm.bootconfig"
usage: bootconfig [opts] vm
Alter the boot config settings
  vm: Path to a VirtualMachine
  --delay, -d <i>: Time in milliseconds to delay boot
  --enablebootretry, -r: Enable rebooting if no boot device found
  --disablebootretry: Disable rebooting if no boot device found
  --retrydelay, -t <i>: Time to wait before rebooting to retry
  --show, -s: Show the current bootoptions
  --help, -h: Show this message
```

===== 2: vm.clone =====

```
rvc --cmd "help vm.clone"
usage: clone [opts] src dst
Clone a VM
  src: Path to a VirtualMachine
  dst: Path to new VM Folder
  --pool, -p <s>: Resource pool
  --host, -o <s>: Host
```

```
        --template, -t:   Create a template
        --linked, -l:    Create a linked clone
--customizationspecname, -s <s>:  Customization spec
        --power-on:     Power on VM after clone
        --help, -h:     Show this message
```

```
===== 2: vm.create =====
```

```
rcv --cmd "help vm.create"
usage: create [opts] name
Create a new VM
  name: Destination Folder
    --pool, -p <s>:   Resource pool
    --host, -o <s>:   Host
--datastore, -d <s>:   Datastore
    --memory, -m <i>:  Size in MB of memory (default: 128)
    --cpus, -c <i>:   Number of CPUs (default: 1)
    --guest-id, -g <s>:  Guest OS (default: otherGuest)
```

No disks or network adapters are initially present. Use `device.add_disk` and `device.add_net` to do this.

Example:

```
vm.create ~/vm/foo --pool ~/host/my_cluster/resourcePool --datastore
~/datastore/my_datastore
device.add_disk ~/vm/foo -s 30G
device.add_net ~/vm/foo ~/network/VM\ Network
    --help, -h:   Show this message
```

```
===== 2: vm.extra_config =====
```

```
rcv --cmd "help vm.extra_config"
usage: extra_config vm [regex]...
Display extraConfig options
  vm: Path to a VirtualMachine
  regex: Regexes to filter keys
  --help, -h:   Show this message
```

```
===== 2: vm.find =====
```

```
rcv --cmd "help vm.find"
usage: find [opts] datastore
Display a menu of VMX files to register
  datastore: Path to a Datastore
    --resource-pool, -R <s>:   Resource pool
    --folder, -F <s>:   Folder to register in (default: .)
    --help, -h:   Show this message
```

```
===== 2: vm.ip =====
```

```
rcv --cmd "help vm.ip"
usage: ip vm...
Wait for and display VM IP addresses
```

vm: Path to a VirtualMachine
--help, -h: Show this message

===== 2: vm.kill =====

```
rcv --cmd "help vm.kill"
usage: kill vm...
Power off and destroy VMs
  vm: Path to a VirtualMachine
  --help, -h: Show this message
```

===== 2: vm.layout =====

```
rcv --cmd "help vm.layout"
usage: layout vm
Display info about VM files
  vm: Path to a VirtualMachine
  --help, -h: Show this message
```

===== 2: vm.migrate =====

```
rcv --cmd "help vm.migrate"
usage: migrate [opts] vm...
Migrate a VM
  vm: Path to a VirtualMachine
  --pool, -p <s>: Resource pool
  --host, -o <s>: Host
  --help, -h: Show this message
```

===== 2: vm.modify_cpu =====

```
rcv --cmd "help vm.modify_cpu"
usage: modify_cpu [opts] vm
Change CPU configuration
  vm: Path to a VirtualMachine
  --num <i>: New number of CPUs
  --reservation <i>: Reservation in Mhz
  --limit <i>: Limit in Mhz. -1 means no limit
  --help, -h: Show this message
```

===== 2: vm.modify_memory =====

```
rcv --cmd "help vm.modify_memory"
usage: modify_memory [opts] vm
Change memory configuration
  vm: Path to a VirtualMachine
  --size <i>: New memory size in MB
  --reservation <i>: Reservation in MB
  --limit <i>: Limit in MB. -1 means no limit
  --help, -h: Show this message
```

===== 2: vm.off =====

```
rcv --cmd "help vm.off"
usage: off vm...
Power off VMs
```

vm: Path to a VirtualMachine
--help, -h: Show this message

===== 2: vm.on =====

rcv --cmd "help vm.on"

usage: on vm...

Power on VMs

vm: Path to a VirtualMachine
--help, -h: Show this message

===== 2: vm.ping =====

rcv --cmd "help vm.ping"

usage: ping vm

Ping a VM

vm: Path to a VirtualMachine
--help, -h: Show this message

===== 2: vm.rdp =====

rcv --cmd "help vm.rdp"

usage: rdp [opts] vms...

Connect via RDP

vms: Path to a VirtualMachine
--resolution <s>: Desired resolution (default: 1024x768)
--username <s>: Username (default: Administrator)
--password <s>: Password (default:)
--help, -h: Show this message

===== 2: vm.reboot_guest =====

rcv --cmd "help vm.reboot_guest"

usage: reboot_guest vm...

Reboot guest OS

vm: Path to a VirtualMachine
--help, -h: Show this message

===== 2: vm.register =====

rcv --cmd "help vm.register"

usage: register [opts] file

Register a VM already in a datastore

file: RVC path to the VMX file

RbVmomi::VIM::Datastore::FakeDatastoreFile

--resource-pool, -R <s>: Resource pool
--folder, -F <s>: VM Folder (default: .)
--help, -h: Show this message

===== 2: vm.reset =====

rcv --cmd "help vm.reset"

usage: reset vm...

Reset VMs

vm: Path to a VirtualMachine
--help, -h: Show this message

===== 2: vm.rvc =====

rcv --cmd "help vm.rvc"

usage: rvc [opts] vm

RVC to a VM

vm: Path to a VirtualMachine

--user <s>: Username

--help, -h: Show this message

===== 2: vm.screenshot =====

rcv --cmd "help vm.screenshot"

usage: screenshot vm local-path

Take a screenshot of a VM

vm: Path to a VirtualMachine

local-path: Filename on the local machine

--help, -h: Show this message

===== 2: vm.set_extra_config =====

rcv --cmd "help vm.set_extra_config"

usage: set_extra_config vm key=value...

Set extraConfig options

vm: Path to a VirtualMachine

key=value: extraConfig key/value pairs

--help, -h: Show this message

===== 2: vm.shutdown_guest =====

rcv --cmd "help vm.shutdown_guest"

usage: shutdown_guest [opts] vm...

Shut down guest OS

vm: Path to a VirtualMachine

--timeout <i>: Timeout for guest shut down in seconds

--delay <i>: Interval between checks for guest shut down in seconds

--help, -h: Show this message

===== 2: vm.ssh =====

rcv --cmd "help vm.ssh"

usage: ssh [opts] vm [cmd]

SSH to a VM

vm: Path to a VirtualMachine

cmd: Optional command

--login, -l <s>: Username (default: root)

--help, -h: Show this message

===== 2: vm.standby_guest =====

rcv --cmd "help vm.standby_guest"

usage: standby_guest vm...

Suspend guest OS

vm: Path to a VirtualMachine

--help, -h: Show this message

===== 2: vm.suspend =====

rcv --cmd "help vm.suspend"

usage: suspend vm...

Suspend VMs

vm: Path to a VirtualMachine

--help, -h: Show this message

===== 2: vm.unregister =====

rcv --cmd "help vm.unregister"

usage: unregister vm

Unregister a VM

vm: Path to a VirtualMachine

--help, -h: Show this message

===== 2: vm.wait_for_shutdown =====

rcv --cmd "help vm.wait_for_shutdown"

usage: wait_for_shutdown [opts] vm...

Waits for a VM to shutdown

vm: Path to a VirtualMachine

--timeout <i>: Timeout in seconds (default: 300)

--delay <i>: Interval in seconds (default: 5)

--help, -h: Show this message

----- 1: vm_guest -----

rcv --cmd "help vm_guest"

Commands:

authenticate: Authenticate within guest

check_auth: Check credentials

list_auth: List available credentials

clear_auth: Clear credentials

chmod: Change file attributes

mktmpdir: Create temporary directory in guest

mktmpfile: Create temporary file in guest

rmdir: Delete directory in guest

rmfile: Delete file in guest

download_file: Download file from guest

upload_file: Upload file to guest

ls_guest: List files in guest

mkdir: Make directory in guest

mmdir: Move directory in guest

mvfile: Move file in guest

start_program: Run program in guest

===== 2: vm_guest.authenticate =====

rcv --cmd "help vm_guest.authenticate"

usage: authenticate [opts] vm...

Authenticate within guest

vm: Path to a VirtualMachine

--interactive-session: Allow command to interact with desktop

```
--password <s>: Password in guest
--username <s>: Username in guest (default: root)
--help, -h: Show this message
```

```
===== 2: vm_guest.check_auth =====
```

```
rcv --cmd "help vm_guest.check_auth"
```

```
usage: check_auth [opts] vm
```

```
Check credentials
```

```
vm: Path to a VirtualMachine
```

```
--username <s>: Username in guest (default: root)
```

```
--help, -h: Show this message
```

```
===== 2: vm_guest.chmod =====
```

```
rcv --cmd "help vm_guest.chmod"
```

```
usage: chmod [opts] vm
```

```
Change file attributes
```

```
vm: Path to a VirtualMachine
```

```
--group-id <i>: Group ID of file
```

```
--guest-path <s>: Path in guest to change ownership of
```

```
--owner-id <i>: Owner ID of file
```

```
--permissions <s>: Permissions of file
```

```
--username <s>: Username in guest (default: root)
```

```
--help, -h: Show this message
```

```
===== 2: vm_guest.clear_auth =====
```

```
rcv --cmd "help vm_guest.clear_auth"
```

```
usage: clear_auth [opts] [vm]
```

```
Clear credentials
```

```
vm: Path to a VirtualMachine
```

```
--username <s>: Username in guest (default: root)
```

```
--help, -h: Show this message
```

```
===== 2: vm_guest.download_file =====
```

```
rcv --cmd "help vm_guest.download_file"
```

```
usage: download_file [opts] vm
```

```
Download file from guest
```

```
vm: Path to a VirtualMachine
```

```
--guest-path <s>: Path in guest to download from
```

```
--local-path <s>: Local file to download to
```

```
--username <s>: Username in guest (default: root)
```

```
--help, -h: Show this message
```

```
===== 2: vm_guest.list_auth =====
```

```
rcv --cmd "help vm_guest.list_auth"
```

```
usage: list_auth [vm]
```

```
List available credentials
```

```
vm: Path to a VirtualMachine
```

```
--help, -h: Show this message
```

```
===== 2: vm_guest.ls_guest =====
```

```
rcv --cmd "help vm_guest.ls_guest"
usage: ls_guest [opts] vm
List files in guest
vm: Path to a VirtualMachine
  --guest-path <s>: Path in guest to get directory listing
  --index <i>: Which to start the list with
--match-pattern <s>: Filename filter (regular expression)
  --max-results <i>: Maximum number of results
  --username <s>: Username in guest (default: root)
  --help, -h: Show this message
```

```
===== 2: vm_guest.mkdir =====
```

```
rcv --cmd "help vm_guest.mkdir"
usage: mkdir [opts] vm
Make directory in guest
vm: Path to a VirtualMachine
  --guest-path <s>: Path of directory in guest to create
--create-parent-directories: Create parent directories
  --username <s>: Username in guest (default: root)
  --help, -h: Show this message
```

```
===== 2: vm_guest.mktmpdir =====
```

```
rcv --cmd "help vm_guest.mktmpdir"
usage: mktmpdir [opts] vm
Create temporary directory in guest
vm: Path to a VirtualMachine
  --guest-path <s>: Path in guest to create temporary directory in
  --prefix <s>: Prefix of temporary directory
  --suffix <s>: Suffix of temporary directory
  --username <s>: Username in guest (default: root)
  --help, -h: Show this message
```

```
===== 2: vm_guest.mktmpfile =====
```

```
rcv --cmd "help vm_guest.mktmpfile"
usage: mktmpfile [opts] vm
Create temporary file in guest
vm: Path to a VirtualMachine
  --guest-path <s>: Path in guest to create temporary file in
  --prefix <s>: Prefix of temporary directory
  --suffix <s>: Suffix of temporary directory
  --username <s>: Username in guest (default: root)
  --help, -h: Show this message
```

```
===== 2: vm_guest.mvdir =====
```

```
rcv --cmd "help vm_guest.mvdir"
usage: mvdir [opts] vm
Move directory in guest
vm: Path to a VirtualMachine
  --src-guest-path <s>: Path in guest to move from
  --dst-guest-path <s>: Path in guest to move to
```

```
--username <s>: Username in guest (default: root)
--help, -h: Show this message
```

```
===== 2: vm_guest.mvfile =====
```

```
rcv --cmd "help vm_guest.mvfile"
```

```
usage: mvfile [opts] vm
```

```
Move file in guest
```

```
vm: Path to a VirtualMachine
```

```
--dst-guest-path <s>: Path in guest to move to
--overwrite: Overwrite file (default: true)
--src-guest-path <s>: Path in guest to move from
--username <s>: Username in guest (default: root)
--help, -h: Show this message
```

```
===== 2: vm_guest.rmdir =====
```

```
rcv --cmd "help vm_guest.rmdir"
```

```
usage: rmdir [opts] vm
```

```
Delete directory in guest
```

```
vm: Path to a VirtualMachine
```

```
--guest-path <s>: Path of directory in guest to delete
--recursive: Delete all subdirectories
--username <s>: Username in guest (default: root)
--help, -h: Show this message
```

```
===== 2: vm_guest.rmfile =====
```

```
rcv --cmd "help vm_guest.rmfile"
```

```
usage: rmfile [opts] vm
```

```
Delete file in guest
```

```
vm: Path to a VirtualMachine
```

```
--guest-path <s>: Path of file in guest to delete
--username <s>: Username in guest (default: root)
--help, -h: Show this message
```

```
===== 2: vm_guest.start_program =====
```

```
rcv --cmd "help vm_guest.start_program"
```

```
usage: start_program [opts] vm...
```

```
Run program in guest
```

```
vm: Path to a VirtualMachine
```

```
--arguments <s>: Arguments of command (default: )
--background: Don't wait for process to finish
--delay <f>: Interval in seconds (default: 5.0)
--env <s>: Environment variable(s) to set (e.g.
```

```
VAR=value)
```

```
--program-path <s>: Path to program in guest
--timeout <i>: Timeout in seconds
--username <s>: Username in guest (default: root)
--working-directory <s>: Working directory of the program to run
--help, -h: Show this message
```

```
===== 2: vm_guest.upload_file =====
```

```
rcv --cmd "help vm_guest.upload_file"
usage: upload_file [opts] vm...
Upload file to guest
  vm: Path to a VirtualMachine
  --group-id <i>:   Group ID of file
  --guest-path <s>: Path in guest to upload to
  --local-path <s>: Local file to upload
  --overwrite:     Overwrite file
  --owner-id <i>:  Owner ID of file
  --permissions <s>: Permissions of file
  --username <s>:  Username in guest (default: root)
  --help, -h:     Show this message
```

```
----- 1: vmrc -----
```

```
rcv --cmd "help vmrc"
Commands:
view (view, vmrc, v): Spawn a VMRC
install: Install VMRC
```

```
===== 2: vmrc.install =====
```

```
rcv --cmd "help vmrc.install"
usage: install
Install VMRC
  --help, -h:   Show this message
```

```
===== 2: vmrc.view =====
```

```
rcv --cmd "help vmrc.view"
usage: view [opts] vm...
Spawn a VMRC
The VMware Remote Console allows you to interact with a VM's virtual
mouse,
keyboard, and screen.
  --install, -i:   Automatically install VMRC
  vm: Path to a VirtualMachine
  --help, -h:     Show this message
```

```
----- 1: vnc -----
```

```
rcv --cmd "help vnc"
Commands:
view (vnc, V): Spawn a VNC client
off: Close a VM's VNC port
```

```
===== 2: vnc.off =====
```

```
rcv --cmd "help vnc.off"
usage: off vm
Close a VM's VNC port
  vm: Path to a VirtualMachine
  --help, -h:   Show this message
```

```
===== 2: vnc.view =====
```

```
rcv --cmd "help vnc.view"
usage: view [opts] vm
Spawn a VNC client
  vm: Path to a VirtualMachine
      --ws: Enable VNC websocket proxy
      --help, -h: Show this message
```

```
----- 1: vsan -----
```

```
rcv --cmd "help vsan"
```

```
Commands:
```

```
enable_vsan_on_cluster: Enable VSAN on a cluster
disable_vsan_on_cluster: Disable VSAN on a cluster
cluster_change_autoclaim: Enable VSAN on a cluster
host_consume_disks: Consumes all eligible disks on a host
host_wipe_vsan_disks: Wipes content of all VSAN disks on a host
host_info: Print VSAN info about a host
cluster_info: Print VSAN info about a cluster
disks_info: Print physical disk info about a host
cluster_set_default_policy: Set default policy on a cluster
object_info: Fetch information about a VSAN object
disk_object_info: Fetch information about all VSAN objects on a given
physical disk
cmmnds_find: CMMDS Find
fix_renamed_vms: This command can be used to rename some VMs which get
renamed by the VC in case of storage inaccessibility. It is possible
for some VMs to get renamed to vmx file path. eg. "/vmfs/volumes/
vsanDatastore/foo/foo.vmx". This command will rename this VM to "foo".
This is the best we can do. This VM may have been named something else
but we have no way to know. In this best effort command, we simply
rename it to the name of its config file (without the full path
and .vmx extension ofcourse!).
vm_object_info: Fetch VSAN object information about a VM
disks_stats: Show stats on all disks in VSAN
whatif_host_failures: Simulates how host failures impact VSAN resource
usage
observer: Run observer
resync_dashboard: Resyncing dashboard
vm_perf_stats: VM perf stats
enter_maintenance_mode: Put hosts into maintenance mode
lldpnetmap: Gather LLDP mapping information from a set of hosts
check_limits: Gathers (and checks) counters against limits
object_reconfigure: Reconfigure a VSAN object
obj_status_report: Print component status for objects in the cluster.
apply_license_to_cluster: Apply license to VSAN
support_information: Command to collect vsan support information
check_state: Checks state of VMs and VSAN objects
reapply_vsan_vmknics_config: Unbinds and rebinds VSAN to its vmknics
recover_spbm: SPBM Recovery
```

```
===== 2: vsan.apply_license_to_cluster
```

```
=====
rcv --cmd "help vsan.apply_license_to_cluster"
usage: apply_license_to_cluster [opts] cluster
Apply license to VSAN
  cluster: Path to a ClusterComputeResource
  --license-key, -k <s>: License key to be applied to the cluster
  --null-reconfigure, -r: (default: true)
  --help, -h: Show this message
```

```
===== 2: vsan.check_limits =====
rcv --cmd "help vsan.check_limits"
usage: check_limits hosts_and_clusters...
Gathers (and checks) counters against limits
  hosts_and_clusters: Path to a HostSystem or ClusterComputeResource
  --help, -h: Show this message
```

```
===== 2: vsan.check_state =====
rcv --cmd "help vsan.check_state"
usage: check_state [opts] cluster_or_host
Checks state of VMs and VSAN objects
  cluster_or_host: Path to a ClusterComputeResource or HostSystem
  --refresh-state: Not just check state, but also refresh
  --reregister-vms: Not just check for vms with VC/hostd/vmx out of
sync but also fix them by un-registering and re-
registering them
  --help, -h: Show this message
```

```
===== 2: vsan.cluster_change_autoclaim =====
rcv --cmd "help vsan.cluster_change_autoclaim"
usage: cluster_change_autoclaim [opts] cluster
Enable VSAN on a cluster
  cluster: Path to a ClusterComputeResource
  --enable: Enable auto-claim
  --disable: Disable auto-claim
  --help, -h: Show this message
```

```
===== 2: vsan.cluster_info =====
rcv --cmd "help vsan.cluster_info"
usage: cluster_info cluster
Print VSAN info about a cluster
  cluster: Path to a ClusterComputeResource
  --help, -h: Show this message
```

```
===== 2: vsan.cluster_set_default_policy =====
rcv --cmd "help vsan.cluster_set_default_policy"
usage: cluster_set_default_policy cluster policy
Set default policy on a cluster
```

cluster: Path to a ClusterComputeResource
policy:
--help, -h: Show this message

```
===== 2: vsan.cmmds_find =====  
rvc --cmd "help vsan.cmmds_find"  
usage: cmmds_find [opts] cluster_or_host  
CMMDS Find  
  cluster_or_host: Path to a ClusterComputeResource or HostSystem  
  --type, -t <s>: CMMDS type, e.g. DOM_OBJECT, LSOM_OBJECT, POLICY,  
DISK  
                  etc.  
  --uuid, -u <s>: UUID of the entry.  
  --owner, -o <s>: UUID of the owning node.  
  --help, -h: Show this message
```

```
===== 2: vsan.disable_vsan_on_cluster  
=====  
rvc --cmd "help vsan.disable_vsan_on_cluster"  
usage: disable_vsan_on_cluster cluster  
Disable VSAN on a cluster  
  cluster: Path to a ClusterComputeResource  
  --help, -h: Show this message
```

```
===== 2: vsan.disk_object_info =====  
rvc --cmd "help vsan.disk_object_info"  
usage: disk_object_info cluster_or_host disk_uuid...  
Fetch information about all VSAN objects on a given physical disk  
  cluster_or_host: Cluster or host on which to fetch the object info  
ClusterComputeResource or HostSystem  
  disk_uuid:  
  --help, -h: Show this message
```

```
===== 2: vsan.disks_info =====  
rvc --cmd "help vsan.disks_info"  
usage: disks_info [opts] host...  
Print physical disk info about a host  
  host: Path to a HostSystem  
  --show-adapters: Show adapter information  
  --help, -h: Show this message
```

```
===== 2: vsan.disks_stats =====  
rvc --cmd "help vsan.disks_stats"  
usage: disks_stats [opts] hosts_and_clusters...  
Show stats on all disks in VSAN  
  hosts_and_clusters: Path to a HostSystem or ClusterComputeResource  
  --compute-number-of-components: Deprecated  
  --show-iops: Show deprecated fields  
  --help, -h: Show this message
```


===== 2: vsan.enable_vsan_on_cluster

=====

rvc --cmd "help vsan.enable_vsan_on_cluster"

usage: enable_vsan_on_cluster [opts] cluster

Enable VSAN on a cluster

cluster: Path to a ClusterComputeResource

--disable-storage-auto-claim: Disable auto disk-claim

--help, -h: Show this message

===== 2: vsan.enter_maintenance_mode

=====

rvc --cmd "help vsan.enter_maintenance_mode"

usage: enter_maintenance_mode [opts] host...

Put hosts into maintenance mode

host: Path to a HostSystem

--timeout <i>: Timeout (default: 0)

--evacuate-powered-off-vm: Evacuate powered off vms

--no-wait: Don't wait for Task to complete

--vsan-mode <s>: Actions to take for VSAN backed

storage

(default: ensureObjectAccessibility)

--help, -h: Show this message

===== 2: vsan.fix_renamed_vms =====

rvc --cmd "help vsan.fix_renamed_vms"

usage: fix_renamed_vms vms...

This command can be used to rename some VMs which get renamed by the VC in case

of storage inaccessibility. It is possible for some VMs to get renamed to vmx

file path. eg. "/vmfs/volumes/vsanDatastore/foo/foo.vmx". This command will

rename this VM to "foo". This is the best we can do. This VM may have been

named something else but we have no way to know. In this best effort command,

we simply rename it to the name of its config file (without the full path and

.vmx extension of course!).

vms: Path to a VirtualMachine

--help, -h: Show this message

===== 2: vsan.host_consume_disks =====

rvc --cmd "help vsan.host_consume_disks"

usage: host_consume_disks [opts] host_or_cluster...

Consumes all eligible disks on a host

host_or_cluster: Path to a ComputeResource or HostSystem

--filter-ssd-by-model <s>: Regex to apply as ssd model filter

--help, -h: Show this message

===== 2: vsan.host_info =====

```
rcv --cmd "help vsan.host_info"
usage: host_info host
Print VSAN info about a host
  host: Path to a HostSystem
  --help, -h: Show this message
```

===== 2: vsan.host_wipe_vsan_disks =====

```
rcv --cmd "help vsan.host_wipe_vsan_disks"
usage: host_wipe_vsan_disks [opts] host...
Wipes content of all VSAN disks on a host
  host: Path to a HostSystem
  --force: Apply force
  --help, -h: Show this message
```

===== 2: vsan.lldpnetmap =====

```
rcv --cmd "help vsan.lldpnetmap"
usage: lldpnetmap hosts_and_clusters...
Gather LLDP mapping information from a set of hosts
  hosts_and_clusters: Path to a HostSystem or ClusterComputeResource
  --help, -h: Show this message
```

===== 2: vsan.obj_status_report =====

```
rcv --cmd "help vsan.obj_status_report"
usage: obj_status_report [opts] cluster_or_host
Print component status for objects in the cluster.
  cluster_or_host: Path to a ClusterComputeResource or HostSystem
  --print-table, -t: Print a table of object and their
status,
  --filter-table, -f <s>: Filter the obj table based on status
displayed
  --print-uuids, -u: In the table, print object UUIDs
instead of
  --ignore-node-uuid, -i <s>: Estimate the status of objects if all
comps on
  --help, -h: Show this message
```

===== 2: vsan.object_info =====

```
rcv --cmd "help vsan.object_info"
usage: object_info cluster obj_uuid...
Fetch information about a VSAN object
  cluster: Cluster on which to fetch the object info HostSystem or
ClusterComputeResource
  obj_uuid:
  --help, -h: Show this message
```

```
===== 2: vsan.object_reconfigure =====
rcv --cmd "help vsan.object_reconfigure"
usage: object_reconfigure [opts] cluster obj_uuid...
Reconfigure a VSAN object
  cluster: Cluster on which to execute the reconfig HostSystem or
ClusterComputeResource
  obj_uuid: Object UUID
  --policy <s>:    New policy
  --help, -h:    Show this message
```

```
===== 2: vsan.observer =====
rcv --cmd "help vsan.observer"
usage: observer [opts] cluster_or_host
Run observer
  cluster_or_host: Path to a ClusterComputeResource or HostSystem
                   --filename <s>:    Output file path
                   --port <i>:      Port on which to run webserver
(default:
                                8010)
                   --run-webserver:  Run a webserver to view live stats
                   --force:          Apply force
  --keep-observation-in-memory:     Keep observed stats in memory even
when
                                commands ends. Allows to resume
later
  --generate-html-bundle <s>:       Generates an HTML bundle after
completion.
                                Pass a location
  --interval <i>:                   Interval (in sec) in which to
collect stats
                                (default: 60)
  --max-runtime <i>:                Maximum number of hours to collect
stats.
                                Caps memory usage. (Default: 2)
  --help, -h:                       Show this message
```

```
===== 2: vsan.reapply_vsan_vmknics_config =====
rcv --cmd "help vsan.reapply_vsan_vmknics_config"
usage: reapply_vsan_vmknics_config [opts] host...
Unbinds and rebinds VSAN to its vmknics
  host: Path to a HostSystem
  --vmknics <s>:    Refresh a specific vmknics. default is all vmknics
  --dry-run:       Do a dry run: Show what changes would be made
  --help, -h:     Show this message
```

```
===== 2: vsan.recover_spbm =====
rcv --cmd "help vsan.recover_spbm"
usage: recover_spbm [opts] cluster_or_host
SPBM Recovery
```

cluster_or_host: Path to a ClusterComputeResource or HostSystem
--show-details: Show all the details
--help, -h: Show this message

```
===== 2: vsan.resync_dashboard =====  
rcv --cmd "help vsan.resync_dashboard"  
usage: resync_dashboard [opts] cluster_or_host  
Resyncing dashboard  
cluster_or_host: Path to a ClusterComputeResource or HostSystem  
--refresh-rate <i>: Refresh interval (in sec). Default is no  
refresh  
--help, -h: Show this message
```

```
===== 2: vsan.support_information =====  
rcv --cmd "help vsan.support_information"  
usage: support_information dc_or_clust_conn  
Command to collect vsan support information  
dc_or_clust_conn: Path to a RbVmomi::VIM or Datacenter or  
ClusterComputeResource  
--help, -h: Show this message
```

```
===== 2: vsan.vm_object_info =====  
rcv --cmd "help vsan.vm_object_info"  
usage: vm_object_info [opts] vms...  
Fetch VSAN object information about a VM  
vms: Path to a VirtualMachine  
--cluster <s>: Cluster on which to fetch the object  
info  
--perspective-from-host <s>: Host to query object info from  
--help, -h: Show this message
```

```
===== 2: vsan.vm_perf_stats =====  
rcv --cmd "help vsan.vm_perf_stats"  
usage: vm_perf_stats [opts] vms...  
VM perf stats  
vms: Path to a VirtualMachine  
--interval <i>: Time interval to compute average over (default:  
20)  
--show-objects: Show objects that are part of VM  
--help, -h: Show this message
```

```
===== 2: vsan.whatif_host_failures =====  
rcv --cmd "help vsan.whatif_host_failures"  
usage: whatif_host_failures [opts] hosts_and_clusters...  
Simulates how host failures impact VSAN resource usage
```

The command shows current VSAN disk usage, but also simulates how disk usage would evolve under a host failure. Concretely the simulation assumes that all objects would be brought back to full policy

compliance by bringing up new mirrors of existing data.
The command makes some simplifying assumptions about disk space balance in the cluster. It is mostly intended to do a rough estimate if a host failure would drive the cluster to being close to full.

hosts_and_clusters: Path to a HostSystem or ClusterComputeResource
--num-host-failures-to-simulate <i>: Number of host failures to simulate (default: 1)
--show-current-usage-per-host: Show current resources used per host
--help, -h: Show this message