

Beehive CLI

ask	ask command	-eq: search equal command -a: command to search
bash-completion	get bash completion script	
bash-completion-envs	get bash completion envs	
decrypt	decrypt quoted data with symmetric encryption	data: data to decrypt key: secret key to use for encryption/decryption
encrypt	encrypt data with symmetric encryption	data: data to encrypt key: secret key to use for encryption/decryption
envs	list available environments	-maxcolwidth: max column width. default=50 -multichunks: split the output in chunks -current: list only current environment -orchestrator_type_name: Filter by orchestrator type name. e.g. zabbix
gen-key	generate fernet key for symmetric encryption	
gen-password	generate password	-length: password length -strong: password strong
tree	tree command	

auth (authorization management)

auth groups (groups management)

auth groups add	add group	name: group name -desc: group description -expirydate: group expire date. Syntax yyyy-mm-dd
auth groups add-attrib	add attribute to group	id: group uuid attrib: attribute name value: attribute value desc: attribute description
auth groups add-perms	add permissions to group	id: group uuid perms: comma separated list of permission id
auth groups add-role	add role to group	id: group uuid role: role uuid -expirydate: group expire date. Syntax yyyy-mm-dd
auth groups add-user	add user to group	id: group uuid user: user uuid
auth groups del-attrib	delete attribute from group	id: group uuid attrib: attribute name
auth groups del-perms	delete permissions from group	id: group uuid perms: comma separated list of permission id
auth groups del-role	delete role from group	id: group uuid role: role uuid
auth groups del-user	delete user from group	id: group uuid user: user uuid
auth groups delete	delete group	id: group uuid
auth groups get	get groups	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: account uuid -role: role id or name -user: user id or name -name: name filter -desc: group desc -email: email address -expiry-date : expiry date. Syntax YYYY-MM-DD -perms: rcomma separated list of permissions
auth groups get-perms	get permissions of group	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: group uuid

auth groups update	update group	id: group uuid -name: group name -desc: group description -active: group active
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auth ldap (ldap management)

auth ldap get	get user	key: user key like user email -filter: search filter -ldap: ldap reference label
auth ldap login	login user	email: user email pwd: user password -ldap: ldap reference label
auth ldap search	search users	value: value to search -filter: search filter -fields: query fields -ldap: ldap reference label

auth oauth2-authorization-codes (oauth2 authorization code)

auth oauth2-authorization-codes delete	delete oauth2 authorization code	id: comma separated authorization code ids
auth oauth2-authorization-codes get	get oauth2 authorization codes	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: authorization code id -valid: valid -client: client -user:

auth oauth2-clients (oauth2 client)

auth oauth2-clients add	add oauth2 client	name: client name grant_type: valid grant_type: authorization_code, implicit, password, client_credentials, urn:ietf:params:oauth:grant-type:jwt-bearer -redirect_uri: redirect_uri -scopes: comma separated list of scopes -expirydate: client expire date. Syntax yyyy-mm-dd
auth oauth2-clients delete	delete oauth2 client	id: client uuid
auth oauth2-clients get	get oauth2 clients	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: client uuid -role: role uuid -group: group uuid -name: name filter -desc: client desc -email: email address -expiry-date : expiry date. Syntax YYYY-MM-DD -perms: comma separated list of permission id

auth oauth2-scopes (oauth2 scope)

auth oauth2-scopes add	add oauth2 scope	name: scope name
auth oauth2-scopes delete	delete oauth2 scope	id: scope uuid
auth oauth2-scopes get	get oauth2 scopes	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: scope uuid

auth oauth2-tokens (oauth2 token)

auth oauth2-tokens create	create oauth2 access token using resource_owner or client_credentials grant. For resource_owner grant specify user and pwd. For client_credentials specify client secret.	client: client id -user: login user -pwd: user password -secret: client secret
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auth oauth2-user-sessions (oauth2 user session)

auth oauth2-user-sessions delete	delete oauth2 session	id: comma separated session ids
auth oauth2-user-sessions get	get oauth2 sessions	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: session id

auth perms (permission management)

auth perms add-object	add object	desc: user description objid: authorization id subsystem: subsystem type: type
auth perms add-type	add object type	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] subsystem: subsystem type: type
auth perms del-object	delete object	ids: comma separated list of object id
auth perms del-type	delete object type	id: object type uuid
auth perms get	get permission	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: permission id
auth perms get-actions	get object actions	
auth perms get-method	get method	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] rule: method url/rule -subsystem: subsystem
auth perms get-objects	get objects	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: object id -objid: authorization id -subsystem: subsystem -type: type
auth perms get-types	get object types	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: account uuid -subsystem: subsystem -type: type

auth providers (authentication provider management)

auth providers get	get authentication providers	
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auth roles (roles management)

auth roles add	add role	name: role name -desc: role description
auth roles add-perms	add permissions to role	id: role uuid perms: comma separated list of permission id

auth roles del-perms	delete permissions from role	id: role uuid perms: comma separated list of permission id
auth roles delete	delete role	id: role uuid
auth roles get	get roles	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: account uuid -user: role uuid -group: group uuid -names: name filter -alias: role alias -perms: comma separated list of permission id
auth roles get-perms	get permissions of role	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: role uuid
auth roles reset-role	reset permissions to full user permission	
auth roles update	update role	id: role uuid -name: role name -desc: role description
auth roles use-role	Use role	roleid: role uuid

auth tokens (tokens management)

auth tokens add	create keyauth or oauth2 jwt token	-type: can be keyauth, oauth2. oauth2 create a token using a jwt client user: login user pwd: login password -client: ouath2 client uuid -sub: sub field for oauth2 jwt login
auth tokens delete	delete token	id: token uuid or all for all
auth tokens get	get tokens	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: token uuid
auth tokens get-my-token	return your own authentication token	

auth users (users management)

auth users add	add user	name: user name -desc: user description -storetype: can be DBUSER, LDAPUSER -password: user password. Set only for DBUSER -expirydate: user expire date. Syntax yyyy-mm-dd -email: email address
auth users add-attrib	add attribute to user	id: user uuid attrib: attribute name value: attribute value desc: attribute description
auth users add-group	add group to user	id: user uuid group: group uuid
auth users add-perms	add permissions to user	id: user uuid perms: comma separated list of permission id
auth users add-role	add role to user	id: user uuid role: role uuid -expirydate: user expire date. Syntax yyyy-mm-dd
auth users add-system	add system user	name: user name password: user password. Set only for DBUSER
auth users del-attrib	delete attribute from user	id: user uuid attrib: attribute name
auth users del-group	delete group from user	id: user uuid group: group uuid
auth users del-perms	delete permissions from user	id: user uuid perms: comma separated list of permission id

auth users del-role	delete role from user	id: user uuid role: role uuid
auth users delete	delete user	id: user uuid
auth users get	get users	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: user uuid -role: role uuid -group: group uuid -name: name filter -desc: user desc -email: email address -expiry-date: expiry date. Syntax YYYY-MM-DD -perms: comma separated list of permission id
auth users get-perms	get permissions of user	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: user uuid
auth users get-secret	get user secret	id: user uuid
auth users update	update user	id: user uuid -name: user name -desc: user description -active: user active -provider: authentication provider -password: user password. Set only for DBUSER -expirydate: user expire date. Syntax yyyy-mm-dd -email: email address

bu (business service and authority management)

bu accounts (account management)

bu accounts add	add account	name: account name -desc: account description division: division uuid -contact: account contact -email: account email -email-support: account email support -email-support-link: account email support link -note: account note -acronym: account acronym -managed: if true set account as managed
bu accounts definition-add	add account definitions	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: account id definitions: comma separated list of definition ids
bu accounts definition-get	get account definitions	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: account id -plugintype: filter by definition plugin -category: file by category -container: get only containers definitions
bu accounts delete	delete account	id: account id -delete_services: if true delete all child services
bu accounts get	get accounts	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: account id -objid: authorization id -name: account name -division-id: division uuid -contact: account contact -email: account email -email-support: account email support
bu accounts manage	Aminister account	-size: list page size [default=20] -page: list page [default=0]

		-field: list sort field [default=id] -order: list sort order [default=DESC] id: the account id to manage
bu accounts operate	Operate on account	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: the account id to manage
bu accounts patch	refresh account	id: account id
bu accounts service-active-get	get account active services info	id: account id
bu accounts service-del	delete account services	id: account id
bu accounts update	update account	id: account id -desc: account description -price_list: account price list id -contact: account contact -email: account email -email-support: account email support -email-support-link: account email support link -acronym: account acronym -note: account note
bu accounts user-role-get	get account user roles	id: account id
bu accounts view	View account	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: the account id to manage

bu accounts-auth (account authorization)

bu accounts-auth group-add	add account role to a group	id: account id role: account role group: authorization group
bu accounts-auth group-del	remove account role from a group	id: account id role: account role group: authorization group
bu accounts-auth group-get	get account groups	id: account id
bu accounts-auth role-get	get account roles	id: account id
bu accounts-auth user-add	add account role to a user	id: account id role: account role user: authorization user
bu accounts-auth user-del	remove account role from a user	id: account id role: account role user: authorization user
bu accounts-auth user-get	get account users	id: account id

bu accounts-capabilities (accounts capabilities)

bu accounts-capabilities add	add or update account capabilities	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: account id capabilities: comma separated list of capability name
bu accounts-capabilities get	get account capabilities	id: account id -capability: capability name

bu accounts-tags (manage tags for account)

bu accounts-tags get	get accounts	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: account id
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bu appeng (appengine service management)

bu appeng info	get appengine service info	account: account id
bu appeng quotas	get appengine service quotas	account: account id

bu appeng app-instances (appengine instances service management)

bu appeng app-instances add	create a share	name: appengine name account: parent account id farm-name: name of the farm type: appengine type subnet: appengine subnet id sg: security group id -key-name: ssh key name -sharesize: share size in GB -public: if True appengine has public ip address -public-subnet: public subnet
bu appeng app-instances delete	delete an appengine	appengine: appengine id
bu appeng app-instances get	get appengine	appengine: appengine id
bu appeng app-instances list	list app engine	-accounts: list of account id comma separated -ida: list of appengin id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]
bu appeng app-instances types	get appengine types	

bu capabilities (capabilities management)

bu capabilities add	add capability	config: capability config
bu capabilities delete	delete capability	id: capability uuid
bu capabilities get	get capabilities	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: account uuid -objid: authorization id

bu cpaas (compute service management)

bu cpaas availability-zones	get compute service availability zones	account: account id
bu cpaas info	get compute service info	account: account id
bu cpaas quotas	get compute service quotas	account: account id

bu cpaas compute-tags (tags service management)

bu cpaas compute-tags add	add tag to service instance	account: account id service: service instance id tag: tag key
bu cpaas compute-tags delete	delete tag from service instance	service: service instance id tag: tag key
bu cpaas compute-tags list	list resource by tags	-account: account id -services: comma separated list of service instance id -tags: comma separated list of tag key -types: comma separated list of service instance types -page: list page [default=0] -size: list page size [default=20]

bu cpaas customizations (customization service management)

bu cpaas customizations add	create a customization	name: customization name account: parent account id type: customization type instances: comma separated list of compute instance id args: customization params. Use syntax arg1:val1,arg2:val2
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bu cpaas customizations delete	delete a customization	customization: customization id
bu cpaas customizations get	get customization	customization: customization id
bu cpaas customizations list	list customizations	-accounts: list of account id comma separated -customizations: list of customization id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]
bu cpaas customizations types	get customizations types	account: parent account id -id: customization type id -page: list page [default=0] -size: list page size [default=20]
bu cpaas customizations update	update a customization	customization: customization id

bu cpaas images (image service management)

bu cpaas images add	create an image	name: image name account: parent account id desc: image description type: image type
bu cpaas images delete	delete an image	image: image id
bu cpaas images get	get image	image: image id
bu cpaas images list	list images	-accounts: list of account id comma separated -images: list of image id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]
bu cpaas images types	get image templates	account: account id -id: template id

bu cpaas keypairs (key pair management)

bu cpaas keypairs add	add new RSA key pair	account: account id name: key pair name -type: key type
bu cpaas keypairs delete	delete a key pair	name: keypair name
bu cpaas keypairs get	get key pair	name: keypair name
bu cpaas keypairs import-public-key	import public RSA key	account: account id name: key pair name publickey: file containing public key base64 encoded -type: key type
bu cpaas keypairs list	get key pairs	-accounts: list of account id comma separated -name: list of keypair name comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]

bu cpaas vms (virtual machine service management)

bu cpaas vms add	create a virtual machine	name: virtual machine name account: parent account id type: virtual machine type subnet: virtual machine subnet id image: virtual machine image id sg: virtual machine security group id -sshkey: virtual machine ssh key name -pwd: virtual machine admin/root password -main-disk: optional main disk size configuration. Use to set e default volume type.- Use : to set a non default volume type. Ex. 5:vol.oracle- Use : to set a volume to clone -other-disk: list of additional disk sizes comma separated. Use to set e default volume type.Use : to set a non default volume type. Ex. 5,10 or 5:vol.oracle,10 -hypervisor: virtual machine hypervisor. Can be: openstack or vsphere [default=openstack] -host-group: virtual machine host group. Ex. oracle -multi-avz: if set to False create vm to work only in the selected availability zone [default=True]. Use when subnet cidr is public -meta: virtual machine custom metadata -skip-main-vol-size-check: Use to skip check that main volume size is not smaller than the main volume of the template.
bu cpaas vms backup-job-add	add account virtual machine backup job	name: job name account: account id zone: job availability zone instance: comma separated list of instance id to add -hypervisor: job hypervisor [openstack] -policy: job hypervisor [bk-job-policy-7-7-retention] -desc: job description
bu cpaas vms backup-job-del	delete account virtual machine backup job	account: account id job: job id
bu cpaas vms backup-job-get	get account virtual machine backup job	account: account id job: job id
bu cpaas vms backup-job-instance-add	add virtual machine to backup job	account: account id job: job id instance: instance id to add
bu cpaas vms backup-job-instance-del	delete virtual machine from backup job	account: account id job: job id instance: instance id to add
bu cpaas vms backup-job-list	get account virtual machine backup jobs	account: account id -hypervisor: virtual machine hypervisor. Can be: openstack or vsphere
bu cpaas vms backup-job-policies	get account virtual machine backup job policies	account: account id
bu cpaas vms backup-job-update	update account virtual machine backup job	account: account id job: job id -name: job name -enabled: enable or disable job -policy: job policy
bu cpaas vms backup-restore-add	restore a virtual machine from backup	name: restored virtual machine name id: id of the virtual machine to clone restore_point: id of restore point
bu cpaas vms backup-restore-get	get virtual machine backup restores	vm: virtual machine id restore_point: restore point id
bu cpaas vms backup-restore-point-add	add backup job restore point	account: account id job: job id name: restore point name -desc: restore point description -full: backup type. If true make a full backup otherwise make an incremental backup
bu cpaas vms backup-restore-point-del	delete backup job restore point	account: account id job: job id restore_point: restore point id
bu cpaas vms backup-restore-point-get	get backup job restore points	account: virtual machine id -vm: virtual machine id -job: job id -restore_point: restore point id -page: list page [default=0] -size: list page size [default=20]
bu cpaas vms clone	clone a virtual machine	name: virtual machine name id: id of the virtual machine to clone -account: parent account id -type: virtual machine type -subnet: virtual machine subnet id -sg: virtual machine security group id -sshkey: virtual machine ssh key name -pwd: virtual machine admin/root password

		-multi-avz: if set to False create vm to work only in the selected availability zone [default=True]. Use when subnet cidr is public -meta: virtual machine custom metadata
bu cpaas vms console-get	get virtual machine console	vm: virtual machine id
bu cpaas vms delete	delete a virtual machine	vm: virtual machine id
bu cpaas vms disable-monitoring	disable virtual machine monitoring	vm: virtual machine id --continues: continue use command
bu cpaas vms enable-logging	enable virtual machine logging	vm: virtual machine id -files: files list -pipeline: log collector pipeline port --continues: continue use command
bu cpaas vms enable-monitoring	enable virtual machine monitoring	vm: virtual machine id -templates: templates list --continues: continue use command
bu cpaas vms get	get virtual machine	vm: virtual machine id
bu cpaas vms list	get virtual machine	-accounts: list of account id comma separated -ids: list of vm id comma separated -name: vm name -names: vm name pattern -types: list of type comma separated -launch_time: launch time interval. Ex. 2021-01-30T:2021-01-31T -tags: list of tag comma separated -states: list of instance state comma separated -sg: list of security group id comma separated. Ex. pending, running, error -page: list page [default=0] -size: list page size [default=20] -services: print instance service enabling. Ex. backup, monitoring
bu cpaas vms list-all	list all the virtual machines	start: vms range lower bound end: vms range upper bound
bu cpaas vms load	import a virtual machine	container: container id where import virtual machine name: virtual machine name vm: physical id of the virtual machine to import image: provider image id pwd: virtual machine password -sshkey: virtual machine ssh key name account: parent account id
bu cpaas vms reboot	reboot a virtual machine	vm: virtual machine id -schedule: schedule definition. Pass as json file using crontab or timedelta syntax. Ex. {"type": "timedelta", "minutes": 1}
bu cpaas vms refresh-state	refresh virtual machine state	id: virtual machine id, uuid or name
bu cpaas vms snapshot-add	add virtual machine snapshot	vm: virtual machine id snapshot: snapshot name
bu cpaas vms snapshot-del	add virtual machine snapshot	vm: virtual machine id snapshot: snapshot id
bu cpaas vms snapshot-get	list virtual machine snapshots	vm: virtual machine id
bu cpaas vms snapshot-revert	revert virtual machine snapshot	vm: virtual machine id snapshot: snapshot id
bu cpaas vms start	start a virtual machine	vm: virtual machine id -schedule: schedule definition. Pass as json file using crontab or timedelta syntax. Ex. {"type": "timedelta", "minutes": 1}
bu cpaas vms stop	stop a virtual machine	vm: virtual machine id -schedule: schedule definition. Pass as json file using crontab or timedelta syntax. Ex. {"type": "timedelta", "minutes": 1}
bu cpaas vms types	get virtual machine types	account: parent account id -page: list page [default=0] -size: list page size [default=20]
bu cpaas vms update	update a virtual machine	vm: virtual machine id -type: virtual machine type -sg_add: virtual machine security group id to add -sg_del: virtual machine security group id to remove
bu cpaas vms user-add	add virtual machine user	vm: virtual machine id name: user name pwd: user password key: ssh key id
bu cpaas vms user-del	delete virtual machine user	vm: virtual machine id name: user name
bu cpaas vms user-	set virtual machine user password	vm: virtual machine id

password-set

name: user name
pwd: user password

bu cpaas volumes (volume service management)

bu cpaas volumes add	create a volume	name: volume name account: parent account id availability_zone: volume availability_zone type: volume type size: volume size -iops: volume iops -snapshot: volume snapshot -hypervisor: volume hypervisor. Can be: openstack or vsphere [default=openstack]
bu cpaas volumes attach	attach a volume to an instance	volume: volume id instance: instance id
bu cpaas volumes delete	delete a volume	volume: volume id
bu cpaas volumes detach	detach a volume to an instance	volume: volume id instance: instance id
bu cpaas volumes get	get volume	volume: volume id
bu cpaas volumes list	list volumes	-accounts: list of account id comma separated -volumes: list of volume id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]
bu cpaas volumes load	load volumes from resources	account: account id volume_name: name volume_resource_id: resource volume id
bu cpaas volumes types	get volumes types	account: parent account id -page: list page [default=0] -size: list page size [default=20]

bu dbaas (database service management)

bu dbaas info	get database service info	account: account id
bu dbaas quotas	get database service quotas	account: account id

bu dbaas db-instances (database instance service management)

bu dbaas db-instances add-mysql	create mysql db instance	name: db instance name account: parent account id type: db instance type subnet: db instance subnet id sg: db instance security group id version: database engine version -pwd: db root password -storage: data storage capacity in GB -keyname: ssh key name
bu dbaas db-instances add-oracle	create oracle db instance	name: db instance name account: parent account id type: db instance type subnet: db instance subnet id sg: db instance security group id version: database engine version -pwd: db root password -keyname: ssh key name -dbname: db name [default: ORCL0] -lsnport: listener port [default: 1521] -archmode: archivelog mode Y/N [default: Y] -partopt: partitioning option Y/N [default: Y] -charset: character set [default: WE8ISO8859P1] -natcharset: national charset [default: AL16UTF16] -dbfdisksize: datafiles disk size in GB [default: 30] -recodisksize: recovery disk size in GB [default: 20]
bu dbaas db-instances add-postgresql	create postgresql db instance	name: db instance name account: parent account id type: db instance type subnet: db instance subnet id sg: db instance security group id version: database engine version -storage: amount of storage [GB] to allocate for the DB instance -pwd: db root password

		-keyname: ssh key name -postgis: spatial database extension
bu dbaas db-instances add-sqlserver	create sqlserver db instance	name: db instance name account: parent account id type: db instance type subnet: db instance subnet id sg: db instance security group id version: database engine version -pwd: db root password -storage: data storage capacity in GB -keyname: ssh key name
bu dbaas db-instances database-add	create a db instance database/schema	instance: db instance id name: database name charset: database charset
bu dbaas db-instances database-del	delete a db instance database/schema	instance: db instance id name: database name
bu dbaas db-instances database-get	get db instance databases/schemas	instance: db instance id
bu dbaas db-instances delete	delete a db instance	database: db instance id
bu dbaas db-instances disable-monitoring	disable db instance monitoring	instance: db instance id
bu dbaas db-instances enable-logging	enable db instance logging	instance: virtual machine id -files: files list -pipeline: log collector pipeline port
bu dbaas db-instances enable-monitoring	enable db instance monitoring	instance: db instance id -templates: templates list
bu dbaas db-instances engines	get database instance engines	account: parent account id
bu dbaas db-instances get	get database instance	id: database id
bu dbaas db-instances list	get database instances	-accounts: list of account id comma separated -ids: list of db instance id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]
bu dbaas db-instances reboot	reboot a db instance	database: db instance id
bu dbaas db-instances start	start a db instance	database: db instance id
bu dbaas db-instances stop	stop a db instance	database: db instance id
bu dbaas db-instances types	get database instance types	account: parent account id -page: list page [default=0] -size: list page size [default=20]
bu dbaas db-instances update	update a db instance	instance: db instance id -dbi_class: db instance class to set up -sg_add: db instance security group id to add -sg_del: db instance security group id to remove -resize: new amount of storage (in GiB) to allocate for the db instance -extensions_add: db extensions to install, e.g. name1:type1,name2:type2,... where type can be plugin or component
bu dbaas db-instances user-add	create a db instance user	instance: db instance id name: user name pwd: user password
bu dbaas db-instances user-del	delete a db instance user	instance: db instance id name: user name -force: force deletion
bu dbaas db-instances user-get	get db instance users	instance: db instance id
bu dbaas db-instances user-password-set	change db instance user password	instance: db instance id name: user name pwd: user password
bu dbaas db-instances user-priv-grant	grant db instance user privileges	instance: db instance id name: user name db_name: database name. For postgres use db1 to select a database e db1.schema1 to select schema schema1 in database db1 privileges: privileges admitted: mysql - SELECT,INSERT,DELETE,UPDATE,ALL, postgres db - CONNECT, postgres schema - USAGE,CREATE,ALL
bu dbaas db-instances user-priv-revoke	revoke db instance user privileges	instance: db instance id name: user name db_name: database name. For postgres use db1 to select a database e db1.schema1 to select schema schema1 in database db1 privileges: privileges admitted: mysql -

SELECT,INSERT,DELETE,UPDATE,ALL, postgres db - CONNECT,
postgres schema - USAGE,CREATE,ALL

bu divs (division management)

bu divs add	add division	name: division name -desc: division description organization: organization uuid -contact: division contact -email: division email -postaladdress: division postaladdress -price_list: division price list id
bu divs delete	delete division	id: division uuid
bu divs get	get divisions	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: division uuid -objid: authorization id -name: division name -organization-id: organization uuid -contact: division contact -email: division email -postaladdress: division legalemail
bu divs patch	refresh division	id: division uuid
bu divs update	update division	name: division name -desc: division description organization: organization uuid -contact: division contact -email: division email -postaladdress: division postaladdress -price_list_id: division price list id

bu divs-auth (division authorization)

bu divs-auth group-add	add division role to a group	id: division uuid role: division role group: authorization group
bu divs-auth group-del	remove division role from a group	id: division uuid role: division role group: authorization group
bu divs-auth group-get	get division groups	id: division uuid
bu divs-auth role-get	get division roles	id: division uuid
bu divs-auth user-add	add division role to a user	id: division uuid role: division role user: authorization user
bu divs-auth user-del	remove division role from a user	id: division uuid role: division role user: authorization user
bu divs-auth user-get	get division users	id: division uuid

bu logaas (logging service management)

bu logaas info	get logging service info	account: account id
bu logaas quotas	get logging service quotas	account: account id

bu logaas instances (logging instance service management)

bu logaas instances add	create a logging instance	account: parent account id instance: instance -definition: definition -norescreate: don't create physical resource of the folder
bu logaas instances configs	get logging module configs	account: parent account id
bu logaas instances delete	delete a logging instance	instance_id: logging instance id
bu logaas instances disable-	disable logging module	instance_id: logging instance id

module		conf: module configuration
bu logaas instances enable-module	enable logging module	instance_id: logging instance id conf: module configuration
bu logaas instances get	get logging instance	id: logging instance id
bu logaas instances list	list logging instances	-accounts: list of account id comma separated -name: list of logging instances id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]

bu logaas spaces (logging space service management)

bu logaas spaces add	create a logging space	account: parent account id -name: space name -definition: service definition of the space -norescreate: don't create physical resource of the folder
bu logaas spaces delete	delete a logging space	logging_space_id: logging space id
bu logaas spaces get	get logging space	id: space id
bu logaas spaces list	list logging spaces	-accounts: list of account id comma separated -name: list of logging instances id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]
bu logaas spaces sync-users	synchronize users of logging space	logging_space_id: logging space id

bu maas (monitoring service management)

bu maas availability-zones	get monitoring service availability zones	account: account id
bu maas info	get monitoring service info	account: account id
bu maas quotas	get monitoring service quotas	account: account id

bu maas alerts (monitoring alert service management)

bu maas alerts add	create a monitoring alert	account: parent account id zone: availability zone -name: alert name -definition: service definition of the alert -norescreate: don't create physical resource of the alert
bu maas alerts delete	delete a monitoring alert	monitoring_alert_id: monitoring alert id
bu maas alerts get	get monitoring alert	id: alert id
bu maas alerts list	list monitoring alerts	-accounts: list of account id comma separated -name: list of monitoring instances id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]
bu maas alerts user-severities	get monitoring alert user severities	
bu maas alerts user-update	update user of monitoring alert	id: alert id users_email: users email that will receive alerts - comma separated severity: list of alert severity - comma separated

bu maas folders (monitoring folder service management)

bu maas folders add	create a monitoring folder	account: parent account id -name: folder name -definition: service definition of the folder -norescreate: don't create physical resource of the folder
bu maas folders dashboards	get monitoring folder configs	account: parent account id
bu maas folders delete	delete a monitoring folder	monitoring_folder_id: monitoring folder id
bu maas folders enable-dashboard	enable monitoring dashboard	folders_id: folders id conf: dashboard configuration
bu maas folders get	get monitoring folder	id: folder id

bu maas folders list	list monitoring folders	-accounts: list of account id comma separated -name: list of monitoring instances id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]
bu maas folders sync-users	synchronize users of monitoring folder	monitoring_folder_id: monitoring folder id

bu maas monitor-instances (monitoring instance service management)

bu maas monitor-instances add	create a monitoring instance	account: parent account id instance: instance -definition: definition -norescreate: don't create physical resource of the folder
bu maas monitor-instances delete	delete a monitoring instance	instance_id: monitoring instance id
bu maas monitor-instances get	get monitoring instance	id: monitoring instance id
bu maas monitor-instances list	list monitoring instances	-accounts: list of account id comma separated -name: list of monitoring instances id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]

bu netaas (network service management)

bu netaas availability-zones	get network service availability zones	account: account id
bu netaas info	get network service info	account: account id
bu netaas quotas	get network service quotas	account: account id

bu netaas health-monitors (health monitor service management)

bu netaas health-monitors add	create health monitor	name: monitor name account: parent account id protocol: protocol used to perform targets health check: ['http', 'https', 'tcp', 'imcp', 'udp'] -desc: health monitor description -interval: interval in seconds in which a server is to be tested -timeout: maximum time in seconds in which a response from the server must be received -max_retries: maximum number of times the server is tested before it is declared down -method: method to send the health check request to the server: ['get', 'post', 'options'] -url: URL to GET or POST -expected: expected string
bu netaas health-monitors delete	delete health monitors	ids: comma separated health monitor ids
bu netaas health-monitors get	get health monitor	id: health monitor uuid or name
bu netaas health-monitors list	list health monitors	-accounts: list of comma separated account ids -ids: list of comma separated health monitor ids -tags: list of comma separated tags -page: list page [default=0] -size: list page size [default=20]
bu netaas health-monitors templates	get health monitor templates	account: account id -id: template id
bu netaas health-monitors update	update health monitor	id: health monitor id -interval: interval in seconds in which a server is to be tested -timeout: maximum time in seconds in which a response from the server must be received -max_retries: maximum number of times the server is tested before it is declared down -method: method to send the health check request to the server: ['get', 'post', 'options'] -url: URL to GET or POST -expected: expected string

bu netaas internet-gateways (gateways service management)

bu netaas internet-gateways add	create a gateway	account: parent account id -template: template id
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bu netaas internet-gateways bastion-add	create a gateway bastion	gateway: gateway id
bu netaas internet-gateways bastion-del	delete a gateway bastion	gateway: gateway id
bu netaas internet-gateways bastion-get	get gateway bastion	gateway: gateway id
bu netaas internet-gateways delete	delete a gateway	gateway: gateway id
bu netaas internet-gateways get	get gateway	gateway: gateway id
bu netaas internet-gateways list	get gateways	-accounts: list of account id comma separated -ids: list of gateway id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]
bu netaas internet-gateways patch	patch a gateway	gateway: gateway id
bu netaas internet-gateways templates	get gateway templates	account: account id -id: template id
bu netaas internet-gateways vpc-attach	attach vpc from gateway	gateway: gateway id vpc: vpc id
bu netaas internet-gateways vpc-detach	detach vpc from gateway	gateway: gateway id vpc: vpc id

bu netaas listeners (listener service management)

bu netaas listeners add	create listener	name: listener name account: parent account id traffic_type: incoming traffic profile; one of: ['tcp', 'http', 'ssl-passthrough', 'https-offloading', 'https-end-to-end'] -desc: listener description -persistence: persistence type: ['sourceip', 'cookie', 'ssl-sessionid'] -cookie_name: cookie name -cookie_mode: cookie mode: ['insert', 'prefix', 'app-session'] -expire: expire time in seconds -client_cert_path: client certificate path -server_cert_path: server certificate path -client_cipher: cipher suite used by client; one of: ['DEFAULT', 'ECDHE-RSA-AES128-GCM-SHA256', 'ECDHE-RSA-AES256-GCM-SHA384', 'ECDHE-RSA-AES256-SHA', 'ECDHE-ECDSA-AES256-SHA', 'ECDH-ECDSA-AES256-SHA', 'ECDH-RSA-AES256-SHA', 'AES256-SHA', 'AES128-SHA', 'DES-CBC3-SHA'] -server_cipher: cipher suite used by server; one of: ['DEFAULT', 'ECDHE-RSA-AES128-GCM-SHA256', 'ECDHE-RSA-AES256-GCM-SHA384', 'ECDHE-RSA-AES256-SHA', 'ECDHE-ECDSA-AES256-SHA', 'ECDH-ECDSA-AES256-SHA', 'ECDH-RSA-AES256-SHA', 'AES256-SHA', 'AES128-SHA', 'DES-CBC3-SHA'] -insert_x_forwarded_for: insert X-Forwarded-For HTTP header -redirect_to: url to redirect client requests
bu netaas listeners delete	delete listeners	ids: comma separated listener ids
bu netaas listeners get	get listener	id: listener uuid or name
bu netaas listeners list	list listeners	-accounts: list of comma separated account ids -ids: list of comma separated listener ids -tags: list of comma separated tags -page: list page [default=0] -size: list page size [default=20]
bu netaas listeners templates	get listener templates	account: account id -id: template id
bu netaas listeners update	update listener	id: listener id -desc: listener description -persistence: persistence type: ['sourceip', 'cookie', 'ssl-sessionid'] -cookie_name: cookie name -cookie_mode: cookie mode: ['insert', 'prefix', 'app-session'] -expire: expire time in seconds -insert_x_forwarded_for: insert X-Forwarded-For HTTP header, ['True', 'False'] -redirect_to: url to redirect client requests

bu netaas load-balancers (load balancer service management)

bu netaas load-balancers add	create load balancer	name: load balancer name account: parent account id template: load balancer service definition protocol: protocol for connections to load balancer: ['http', 'https'] port: port number
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		listener: listener id target_group: target group id -desc: load balancer description -static_ip: load balancer frontend ip address -max_conn: maximum concurrent connections -max_conn_rate: maximum connections per second -deploy_env: project deployment environment: ['prod', 'preprod', 'stage', 'test']
bu netaas load-balancers delete	delete load balancer	id: load balancer id
bu netaas load-balancers delete-predefined-service	delete load balancer generic services	account: account id
bu netaas load-balancers get	get load balancer	id: load balancer uuid or name
bu netaas load-balancers list	list load balancers	-accounts: list of comma separated account ids -ids: list of comma separated load balancer ids -tags: list of comma separated tags -page: list page [default=0] -size: list page size [default=20]
bu netaas load-balancers start	enable load balancer	id: load balancer id
bu netaas load-balancers stop	disable load balancer	id: load balancer id
bu netaas load-balancers templates	get load balancer templates	account: account id -id: template id
bu netaas load-balancers update	update load balancer	id: load balancer id -desc: load balancer description -protocol: protocol for connections to load balancer: ['http', 'https'] -port: port number -max_conn: maximum concurrent connections -max_conn_rate: maximum connections per second

bu netaas securitygroups (security groups service management)

bu netaas securitygroups add	create a security group	name: security group name vpc: parent vpc -template: template id
bu netaas securitygroups add-rule	add a security group rule	type: egress or ingress. For egress rule the destination. For ingress rule specify the source securitygroup: securitygroup id -proto: protocol. can be tcp, udp, icmp or -1 for all -port: can be an integer between 0 and 65535 or a range with start and end in the same interval. Range format is -. Use -1 for all ports. Set subprotocol if proto is icmp (8 for ping) -dest: rule destination. Syntax :. Destination type can be SG, CIDR. For SG value must be . For CIDR value should like 10.102.167.0/24. -source: rule source. Syntax :. Source type can be SG, CIDR. For SG value must be . For CIDR value should like 10.102.167.0/24.
bu netaas securitygroups del-rule	delete a security group rule	type: egress or ingress. For egress rule the destination. For ingress rule specify the source securitygroup: securitygroup id -proto: protocol. can be tcp, udp, icmp or -1 for all -port: can be an integer between 0 and 65535 or a range with start and end in the same interval. Range format is -. Use -1 for all ports. Set subprotocol if proto is icmp (8 for ping) -dest: rule destination. Syntax :. Destination type can be SG, CIDR. For SG value must be . For CIDR value should like 10.102.167.0/24. -source: rule source. Syntax :. Source type can be SG, CIDR. For SG value must be . For CIDR value should like 10.102.167.0/24.
bu netaas securitygroups delete	delete a security group	securitygroup: securitygroup id
bu netaas securitygroups get	get security group with rules	securitygroup: securitygroup id
bu netaas securitygroups list	get security groups	-accounts: list of account id comma separated -ids: list of security group id comma separated -vpcs: list of vpc id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]
bu netaas securitygroups patch	patch a security group	securitygroup: securitygroup id
bu netaas securitygroups templates	get security group templates	account: account id -id: template id

bu netaas sshgw (ssh gateway service management)

bu netaas sshgw conf-activate	activate ssh gw configuration	id: ssh gateway conf id port: destination port
bu netaas sshgw conf-add	add ssh gateway configuration	name: configuration name gw_type: ssh gateway type (gw_dbaas,gw_cpaas) -desc: configuration description dest_uuid: destination service instance uuid -allowed_ports: comma separated list of ranges (start-end) or single ports. e.g. 8000-9000,22 -forbidden_ports: comma separated list of ranges (start-end) or single ports. e.g. 8000-9000,22
bu netaas sshgw conf-delete	delete a ssh gateway configuration	id: ssh gateway conf id
bu netaas sshgw conf-get	get ssh gateway configuration	id: ssh gateway configuration id
bu netaas sshgw conf-list	get ssh gateway configurations	-accounts: list of account id comma separated -ids: list of ssh gateway configurations id comma separated -names: list of ssh gateway configurations names comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]

bu netaas subnets (vpc subnet service management)

bu netaas subnets add	add virtual private cloud subnet	name: subnet name vpc: vpc id cidr_block: subnet cidr block zone: availability zone -template: subnet template
bu netaas subnets delete	delete a subnet	subnet: subnet id
bu netaas subnets list	get vpc subnets	-accounts: list of account id comma separated -ids: list of subnet id comma separated -vpcs: list of vpc id comma separated -page: list page [default=0] -size: list page size [default=20]
bu netaas subnets templates	get vpc templates	account: account id -id: template id

bu netaas target-groups (target group service management)

bu netaas target-groups add	create empty target group	name: target group name account: parent account id balancing_algorithm: algorithm used to load balance targets: ['round-robin', 'ip-hash', 'leastconn', 'uri'] target_type: target type: ['vm', 'container'] -desc: target group description -health_monitor: id of the custom monitor to perform health checks on targets -transparent: whether client IP addresses are visible to the backend servers, [True, False]
bu netaas target-groups delete	delete target groups	ids: comma separated target group ids
bu netaas target-groups get	get target group	id: target group uuid or name
bu netaas target-groups health-monitor-deregister	deregister health monitor from target group	id: target group id
bu netaas target-groups health-monitor-register	register health monitor with target group	id: target group id monitor: health monitor id
bu netaas target-groups list	list target groups	-accounts: list of comma separated account ids -ids: list of comma separated target group ids -tags: list of comma separated tags -page: list page [default=0] -size: list page size [default=20]
bu netaas target-groups targets-deregister	deregister targets from target group	id: target group id targets: comma separated list of target ids
bu netaas target-groups targets-register	register targets with target group	id: target group id targets: comma separated list of couples : or triplets ::
bu netaas target-groups templates	get target group templates	account: account id -id: template id

bu netaas target-groups update	update target group	id: target group id -desc: target group description -balancing_algorithm: algorithm used to load balance targets: ['round-robin', 'ip-hash', 'leastconn', 'uri'] -transparent: whether client IP addresses are visible to the backend servers, [True, False]
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bu netaas vpcs (virtual private cloud network service management)

bu netaas vpcs add	add virtual private cloud	name: vpc name account: account id cidr_block: vpc cidr block -template: vpc template -tenancy: allowed tenancy of instances launched into the VPC. Use default for shared vpc. Use dedicated for private vpc. default is dedicated
bu netaas vpcs delete	delete a vpc	vpc: vpc id
bu netaas vpcs list	get private cloud networks	-accounts: list of account id comma separated -ids: list of private cloud network id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]
bu netaas vpcs templates	get vpc templates	account: account id -id: template id

bu orgs (organization management)

bu orgs active-services	get organization active services info	id: organization uuid or name
bu orgs add	add organization	name: organization name -desc: organization description -attrib: organization attributes orgtype: organization type -hasvat: organization hasvat -ext-anag-id: organization ext_anag_id -partner: organization partner -referent: organization referent -email: organization email -legalemail: organization legalemail -postaladdress: organization legalemail
bu orgs delete	delete organization	id: organization uuid or name
bu orgs get	get organizations	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: organization uuid -objid: authorization id -name: organization name -org-type: organization type -ext-anag-id: organization ext_anag_id -attributes: organization attributes -hasvat: organization hasvat -partner: organization partner -referent: organization referent -email: organization email -legalemail: organization legalemail -postaladdress: organization legalemail
bu orgs refresh	refresh organization	id: organization uuid or name
bu orgs update	update organization	name: organization name -desc: organization description -attrib: organization attributes org-type: organization type -hasvat: organization hasvat -ext-anag-id: organization ext_anag_id -partner: organization partner -referent: organization referent -email: organization email -legalemail: organization legalemail -postaladdress: organization legalemail

bu orgs-auth (organization authorization)

bu orgs-auth group-add	add organization role to a group	id: organization uuid role: organization role group: authorization group
bu orgs-auth group-del	remove organization role from a group	id: organization uuid role: organization role group: authorization group
bu orgs-auth group-get	get organization groups	id: organization uuid
bu orgs-auth role-get	get organization roles	id: organization uuid
bu orgs-auth user-add	add organization role to a user	id: organization uuid role: organization role user: authorization user
bu orgs-auth user-del	remove organization role from a user	id: organization uuid role: organization role user: authorization user
bu orgs-auth user-get	get organization users	id: organization uuid

bu service-catalogs (service catalog management)

bu service-catalogs add	add service catalog	name: service catalog name -desc: service catalog description
bu service-catalogs definition-add	delete service catalog service definition	id: service catalog id definitions: comma separated list of definition id
bu service-catalogs definition-del	delete service catalog service definition	id: service catalog id definitions: comma separated list of definition id
bu service-catalogs delete	delete service catalog	id: service catalog id
bu service-catalogs get	get srvcatalogs	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: service catalog id -objid: authorization id -name: service catalog name
bu service-catalogs patch	refresh service catalog	id: service catalog id
bu service-catalogs update	update service catalog	id: service catalog id -name: service catalog name -desc: service catalog description

bu service-catalogs-auth (service catalog authorization)

bu service-catalogs-auth group-add	add service catalog role to a group	id: service catalog id role: service catalog role group: authorization group
bu service-catalogs-auth group-del	remove service catalog role from a group	id: service catalog id role: service catalog role group: authorization group
bu service-catalogs-auth group-get	get service catalog groups	id: service catalog id
bu service-catalogs-auth role-get	get service catalog roles	id: service catalog id
bu service-catalogs-auth user-add	add service catalog role to a user	id: service catalog id role: service catalog role user: authorization user
bu service-catalogs-auth user-del	remove service catalog role from a user	id: service catalog id role: service catalog role user: authorization user
bu service-catalogs-auth user-get	get service catalog users	id: service catalog id

bu service-consumes (service consume management)

bu service-consumes aggregate	generate aggregated consume	period: aggregation period. Ex. YYYY-MM o YYYY-MM-GG
bu service-consumes get	list service job schedule	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id]

-order: list sort order [default=DESC]
-id: consume id
-type: consume type id
-account: account id
-aggr_type: aggregation type
-period: aggregation period
-task: execution task
-date_start: start date
-date_end: stop date

bu service-defs (service definition management)

bu service-defs add	add service definition	name: service definition name type: service type id params: service definition params -desc: service definition description -version: service definition version -status: service definition status
bu service-defs delete	delete service definition	id: service definition id
bu service-defs get	get service definitions	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: entity id -name: entity name -objid: authorization id -version: definition version -status: type status
bu service-defs update	update service definition	id: service definition id -name: service definition name -desc: service definition description -status: service definition status -config: service definition config key:value

bu service-insts (service instance management)

bu service-insts check	check service instance	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: service instance id
bu service-insts config-set	update resource entity config	id: resource entity id key: config key like config.key -value: config value
bu service-insts delete	delete service instance	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: service instance id -propagate: if True propagate delete to all cmp modules [default=false] -force: if True force delete [default=false]
bu service-insts filter	get service instances	user_name: user name
bu service-insts get	get service instances	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: entity id -legacy: use legacy v1 -name: entity name -objid: authorization id -version: definition version -status: type status -account: account id -resource: resource uuid -parent: parent service instance -plugintype: service plugintype -tags: comma separated tag list -iscontainer: if True show only container service instance
bu service-insts import-from-resource	import service instance from resource	name: service instance name -desc: service instance description account: account id plugintype: plugin type of the service instance container_plugintype: plugin type of the container -service_definition_id: service definition id resource: resource id

		-parent: parent service instance id
bu service-insts patch	patch service instance	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: service instance id
bu service-insts status	update service instance status	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: service instance id status: service instance status
bu service-insts tag-add	add tag to service instance	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: service instance id tags: comma separated list of tags
bu service-insts tag-del	delete tag from service instance	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: service instance id tags: comma separated list of tags
bu service-insts tag-get	get tag of service instance	id: service instance id
bu service-insts update	update service instance	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: service instance id -resource_uuid: resource uuid -parent: parent service instance -name: service instance name

bu service-links (service link management)

bu service-links add	add service link	name: service link name account: account id type: service link type start_service: start service uuid end_service: end service uuid -attributes: service link attributes
bu service-links delete	delete service links	ids: comma separated service link uuids -force: if true force the delete
bu service-links get	list service links	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: link uuid -name: link name -service: start or end service uuid -type: link type -objid: link authorization id -tags: link tags
bu service-links tag-add	add tag to service link	id: service link id tag: tag
bu service-links tag-del	delete tag from service link	id: service link id tag: tag
bu service-links tag-get	get tag of service link	id: service link id
bu service-links update	update service link	id: service link uuid -name: service link name -type: service link type -start_service: start service uuid -end_service: end service uuid -attributes: service link attributes

bu service-metrics (service metric management)

bu service-metrics acquire	acquire metric	-account: account id -type: metric type -service: metric service instance id
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bu service-metrics get	list service metrics	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: metric id -day: sample day -value: metric value -num: metric num -service: metric service instance id -type: metric type -jobid: sample job id
bu service-metrics type-add	add service metric type	name: metric type name -desc: metric type description -group: metric type group type: metric type. Supported values: CONSUME BUNDLE OPT_BUNDLE PROF_SERVICE -unit: metric type unit -status: metric type status -active: metric type active -limits: json file with limit definition.Ex. {"limits" : [{ "name" : "LimitCPU", "desc" : "LimitCPU", "value": 2.0, "metric_type_id" : "1" }]}
bu service-metrics type-delete	delete service metric types	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: metric type id
bu service-metrics type-get	list service metric types	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: metric type id -name: metric type name -group: metric type group name -type: metric type
bu service-metrics type-update	update service metric type	-id: metric type id -name: metric type name -desc: metric type description -group: metric type group -type: metric type. Supported values: CONSUME BUNDLE OPT_BUNDLE PROF_SERVICE -unit: metric type unit -status: metric type status -active: metric type active -limits: json file with limit definition.Ex. {"limits" : [{ "name" : "LimitCPU", "desc" : "LimitCPU", "value": 2.0, "metric_type_id" : "1" }]}

bu service-schedules (service schedule management)

bu service-schedules add	add service job schedule	config: job schedule config file
bu service-schedules add-example	list service job schedule	
bu service-schedules delete	delete service job schedule	-id: job schedule id
bu service-schedules get	list service job schedule	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: job schedule id -name: job schedule name -job_name: job schedule job name -job_id: job schedule job id -type: job schedule type -metric_type: job schedule metric type
bu service-schedules restart	restart service job schedule	-id: job schedule id
bu service-schedules start	start service job schedule	-id: job schedule id
bu service-schedules stop	stop service job schedule	-id: job schedule id

bu service-tags (service tag management)

bu service-tags add	add service tag	value: service tag value account: account id
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bu service-tags delete	delete service tags	ids: comma separated service tag id -force: if true force the delete
bu service-tags get	list service tags	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -value: tag value -service: service id -link: service link id
bu service-tags update	update service tag	id: service tag uuid -value: service tag value

bu service-types (service type management)

bu service-types add	add service type	name: service type name objclass: python class full path -version: service type version -flag_container: if True service is a container -status: service type status
bu service-types delete	delete service type	ids: service type id
bu service-types get	get service types	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: entity id -name: entity name -objid: authorization id -version: type version -status: type status
bu service-types plugin-get	get service type plugins	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC]
bu service-types process-get	get service type process	id: service type id
bu service-types process-set	set service type process	id: service type id method: service type process method -name: name -desc: description -process: process -template: template file
bu service-types update	update service type	id: service type id -name: service type name -objclass: python class full path -version: service type version -flag_container: if True service is a container -status: service type status

bu staas (storage service management)

bu staas info	get storage service info	account: account id
bu staas quotas	get storage service quotas	account: account id

bu staas efs (file share service management)

bu staas efs add	create a share	name: share name account: parent account id size: share size -type: share type -mode: share performance mode. Can be generalPurpose or localPurpose
bu staas efs delete	delete a share	share: share id
bu staas efs get	get share	share: share id
bu staas efs grant-add	create a share grant	share: share id access_level: access to grant shld be rw r access_type: access type should be ip access_to: access to expression
bu staas efs grant-delete	delete share grant	share: share id grant: grant id

bu staas efs list	list share	-accounts: list of account id comma separated -name: list of share id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]
bu staas efs resize	resize a share	share: share id size: new share size in GB
bu staas efs target-add	create share mount target	share: share id subnet: share subnet protocol: protocol should be nfs cifs -label: custom label to be used when you want to use a labelled share type -ontap_volume: ontap netapp volume id
bu staas efs target-delete	delete share mount target	share: share id
bu staas efs target-list	list share mount target	-accounts: list of account id comma separated -name: list of share id comma separated -tags: list of tag comma separated -page: list page [default=0] -size: list page size [default=20]
bu staas efs types	get share types	

catalogs (api catalog management)

catalogs add	add catalog	name: catalog name zone: catalog zone
catalogs add-endpoint	add catalog endpoint	name: catalog endpoint name catalog: catalog uuid service: service name like auth or resource uri: service uri
catalogs delete	delete catalog	id: catalog uuid
catalogs delete-endpoint	delete catalog endpoint	id: catalog endpoint uuid
catalogs get	get catalogs	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: catalog uuid
catalogs get-endpoints	get catalog endpoints	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: catalog endpoint uuid
catalogs ping-endpoint	ping catalog endpoint	id: catalog endpoint uuid
catalogs ping-endpoints	ping catalog endpoints	id: catalog uuid

dq-res (resource data quality)

dq-res dq-entities (entities data quality)

dq-res dq-entities bad-get	get bad resources	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -definition: entity definition
dq-res dq-entities bad-remove	get bad resources	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: entity id
dq-res dq-entities check	check resource entities	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: entity id -name: entity name -desc: entity description

		-container: container uuid or name -type: entity type -objid: entity authorization id -ext_id: entity physical id -parent: entity parent -state: entity state -attributes: entity attributes -tags: entity tags
dq-res dq-entities check-compute-instance	check compute instance	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -hypervisor: hypervisor -name: name filter
dq-res dq-entities compute-volume-check	repair compute volume tree	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: entity id -definition: entity definition
dq-res dq-entities compute-volume-repair	repair compute volume tree	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: entity id -definition: entity definition
dq-res dq-entities remove	remove bad resource	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: entity id

dq-res dq-links (links data quality)

dq-res dq-links bad-get	get bad links	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -definition: entity definition
dq-res dq-links bad-remove	get bad links	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: link id
dq-res dq-links check	repair resource links	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: link id
dq-res dq-links remove	remove bad link	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: link id

dq-service (service data quality)

dq-service dq-insts (service instance data quality)

dq-service dq-insts check	check service instances	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: entity id -name: entity name -desc: entity description -container: container uuid or name -type: entity type -objid: entity authorization id -ext_id: entity physical id -parent: entity parent -state: entity state -attributes: entity attributes
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-tags: entity tags

mgmt (Administration and objects management)

mgmt database (database administration commands)

mgmt database check	check database storage	database: database service id uuid or name this is one of the service identifiers --tofile: store to file only when format is json or yaml
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mgmt loadbalancers (loadbalancer administration commands)

mgmt loadbalancers delete	delete load balancer	id: load balancer id -no-linked-objs: Use this option to avoid deleting service instances like target group and custom listener linked to load balancer -no-physical-resources: Use this option to delete only CMP metadata without deleting physical resources
mgmt loadbalancers load	import load balancer	appliance: network appliance (e.g. nsx edge) uuid -account: the uuid of the account owner of the virtual server(s) to import -virtual-server: the name of the virtual server to import

platform (platform management)

platform check	check platform status	-engines: engine name
platform version	get platform versions	-engine: engine name

platform awx (awx platform management)

platform awx ad-hoc-command-add	add add hoc commands	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label inventory: inventory id credential: credential id -verbosity: verbosity
platform awx ad-hoc-command-get	get add hoc commands	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label -inventory: inventory id -id: job id
platform awx ad-hoc-command-relaunch	relaunch add hoc command	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: job id
platform awx ad-hoc-command-stdout	get add hoc command stdout	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: job id
platform awx credential-del	delete credential	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: credential id
platform awx credential-get	get credentials	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id]

		-order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label -id: credential id -name: credential name
platform awx credential-git-add	add git credential	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label name: credential name organization: organization id username: username password: password
platform awx credential-ssh-add	add ssh credential	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label name: credential name organization: organization id username: username -password: password -key_data: ssh key data file -key_unlock: ssh key unlock -become: become method
platform awx credential-type-get	get credential types	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label -id: credential type id
platform awx host-add	add host	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label name: host name inventory: inventory id -desc: host description -vars: host variables. ex: k1:v1,k2:v2
platform awx host-del	delete host	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: host id
platform awx host-get	get hosts	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label -id: host id -name: host name
platform awx host-group-add	add group to host	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: host id group: group id
platform awx host-group-del	remove group from host	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: host id group: group id
platform awx inventory-add	add inventory	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label name: inventory name organization: organization id

platform awx inventory-del	delete inventory	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: inventory id
platform awx inventory-get	get inventories	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label -id: inventory id -name: inventory name
platform awx inventory-group-add	add inventory group	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label inventory: inventory id name: inventory group name -desc: host description -vars: host variables. ex: k1:v1,k2:v2
platform awx inventory-group-del	delete inventory group	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: inventory group id
platform awx inventory-group-get	get inventory groups	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label -id: inventory group id -name: inventory name -inventory: inventory id
platform awx inventory-host-get	get inventory hosts	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label -id: inventory group id -name: inventory name -inventory: inventory id
platform awx inventory-script-add	add script inventory	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label name: script inventory name organization: organization id script: script. Ex. #!/bin/bash source /opt/beehive/bin/activate
platform awx inventory-script-del	delete script inventory	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: inventory id
platform awx inventory-script-get	get inventory scripts	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label -inventory: inventory id -id: group id
platform awx inventory-source-sync	sync inventory source	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: inventory source id
platform awx job-event-error-get	get job error	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: job id
platform awx job-event-get	get job events	-size: list page size [default=20] -page: list page [default=0]

		-field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: job id -query: job event query. Comma separated k:v
platform awx job-get	get jobs	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label -id: job id
platform awx job-relaunch	relaunch job	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: job id
platform awx job-stdout	get job stdout	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: job id
platform awx org-get	get organizations	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label -id: organization id -name: organization name
platform awx ping	ping awx	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label
platform awx project-add	add project	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label name: project name organization: organization id credential: credential id scm_url: scm url -scm_type: scm type -scm_branch: scm branch -scm_update_on_launch: scm update on launch
platform awx project-del	delete project	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: project id
platform awx project-get	get projects	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label -id: project id -name: project name
platform awx project-job-event-get	get project job events	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: project job id
platform awx project-job-get	get project job	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label -id: project job id
platform awx project-job-stdout	get project job stdout	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: project job id

platform awx project-sync	sync project	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: project id
platform awx template-add	add template	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label name: template name inventory: inventory id project: project id playbook: playbook -verbosity: verbosity: 0 (Normal) (default), 1 (Verbose), 2 (More Verbose), 3 (Debug), 4 (Connection Debug), 5 (WinRM Debug)
platform awx template-del	delete template	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: template id
platform awx template-get	get templates	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label -id: template id -name: template name
platform awx template-launch	launch template	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label id: template id credentials: comma separated credentials id -extras: variables used when launching job template, k1:v1;k2:v2
platform awx version	get awx version	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: awx platform reference label

platform cmp customize (cmp customization)

platform cmp customize get	get available configurations	
platform cmp customize run	run customization. This command can be used many times to add new items	config: config file -filter: filter to apply :: Ex. resource.entities.site_networks:name:NVLP3-Prov-WEB2-test -sections: comma separated list of section to execute
platform cmp customize show	show configuration	config: config file -filter: filter to apply :: Ex. resource.entities.site_networks:name:NVLP3-Prov-WEB2-test

platform cmp logs (cmp logs management)

platform cmp logs api	get api request received	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -index: index name -id: api request id -uri: api request ri. uri:method -user: api request source user -ip: api request source ip -sort: sort field. Ex. @timestamp:desc
platform cmp logs engine	show log for cmp engine	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -index: index name -name: container partial name. Ex. uwsgi-auth, worker-auth, uwsgi-ssh -sort: sort field. Ex. date:desc -pod: pod name -op: opepration id. Can be api_id, task_id, task_id:step_name
platform cmp logs event	show cmp events	-size: list page size [default=20]

-page: list page [default=0]
 -field: list sort field [default=id]
 -order: list sort order [default=DESC]
 -index: index name
 -kwargs: kwargs like query string
 -id: event id
 -type: event id
 -sort: sort field. Ex. date:desc

platform cmp post-install (DEPRECATED - cmp post install management)

platform cmp post-install get	get post install available configurations	
platform cmp post-install run	run post install. This command can be used many times to add new items	config: config file -filter: filter to apply :: Ex. resource.entities.site_networks:name:NVLP3-Prov-WEB2-test -sections: comma separated list of section to execute
platform cmp post-install show	get post install available configurations	config: config file -filter: filter to apply :: Ex. resource.entities.site_networks:name:NVLP3-Prov-WEB2-test

platform cmp subsystems (cmp subsystems management)

platform cmp subsystems create	create cmp subsystem structure (db, data)	subsystem: subsystem. Ex. resource, service file: subsystem config file full path
platform cmp subsystems deploy	deploy cmp subsystem	-subsystem: subsystem. Ex. resource, service
platform cmp subsystems get	get cmp subsystem config	-id: subsystem. Ex. resource, service
platform cmp subsystems redeploy	redploy cmp subsystem	subsystem: subsystem. Ex. resource, service -path: remote package path -pkgs: list of package to sync
platform cmp subsystems runtime-api-spec	get cmp instance openapi spec	id: subsystem. Ex. resource, service
platform cmp subsystems runtime-apidocs	get cmp instance swagger web interface	id: subsystem. Ex. resource, service
platform cmp subsystems runtime-capabilities	get cmp instance capabilities	id: subsystem. Ex. resource, service
platform cmp subsystems runtime-get	get cmp subsystems	-id: subsystem. Ex. resource, service -role: deployment role
platform cmp subsystems runtime-log	get cmp subsystem pod log	subsystem: subsystem. e.g. resource, service role: deployment role. e.g. uwsgi -follow: follow log. Default: true. -lines: number of log lines to show. Default: 100. Ignored when follow is true.
platform cmp subsystems runtime-ping	ping cmp subsystems	-id: subsystem. Ex. resource, service -role: deployment role
platform cmp subsystems runtime-version	get cmp instance versions	id: subsystem. Ex. resource, service
platform cmp subsystems sync	update cmp nivola python packages - use with devel env	-path: remote package path -pkgs: list of package to sync
platform cmp subsystems undeploy	undeploy cmp subsystem	-subsystem: subsystem. Ex. resource, service
platform cmp subsystems update	update cmp subsystem structure (db, data)	subsystem: subsystem. Ex. resource, service file: subsystem config file full path

platform cmp tests (cmp test management)

platform cmp tests get	list cmp regression tests	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -package: python package -plan: name of the test plan -group: name of the sub test group
platform cmp tests run	run cmp regression tests	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -package: python package -plan: name of the test plan -group: name of the sub test group

- list: list of test id to run
- test: name of test to run
- mainconf: optional main test configuration
- conf: optional extra test configuration
- validate: if True enable api validation in test
- user: user used to run test. Ex. test1, admin [default=test1]
- concurrency: specify how many tests run in parallel for massive test [default=2]

platform console (console management)

platform console connect	connect to console	-C, --console: console label -user: user name -pwd: user password required
platform console update	update shell console	-C, --console: console label -pkgs: user name
platform console user-env-add	setup user additional environment	-C, --console: console label user_ssh: console user user_env: comma separated list of environment to add
platform console user-get	list user configured	-C, --console: console label user: user name
platform console user-list	list user configured	-C, --console: console label
platform console user-setup	setup user home directory and configuration	-C, --console: console label user_ssh: console user
platform console user-update	update user base config	-C, --console: console label user_ssh: console user -isadmin: console user
platform console versions	get cmp packages version	-C, --console: console label

platform datadomain (datadomain management)

platform datadomain info	info from datadomain	
platform datadomain mtrees-get	get datadomain mtrees	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: data domain system id -mtree_id: data domain mtree id
platform datadomain network-get	get datadomain networks	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: data domain system id -network_id: data domain network id
platform datadomain ping	ping datadomain instances	-port: datadomain port
platform datadomain protocol-nfs-add	add datadomain nfs exports	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: data domain system id mtree: mtree name path: data domain nfs export path
platform datadomain protocol-nfs-client-add	add datadomain nfs export client	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: data domain system id nfs_id: data domain nfs exports id client: client fqdn
platform datadomain protocol-nfs-client-del	delete datadomain nfs export client	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: data domain system id nfs_id: data domain nfs exports id client: client fqdn
platform datadomain protocol-nfs-get	get datadomain nfs exports	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: data domain system id

		-nfs_id: data domain nfs exports id
platform datadomain services-get	get datadomain services	id: data domain system id
platform datadomain setting-get	get datadomain settings	id: data domain system id
platform datadomain tenant-get	get datadomain tenants	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: data domain system id -tenant_id: data domain tenant id
platform datadomain trust-get	get datadomain trust	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: data domain system id
platform datadomain user-get	get datadomain users	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: data domain system id -user_id: data domain user id

platform dns (dns platform)

platform dns ping	ping dns	-O, --orchestrator: dns platform reference label -P, --project: dns current project name
platform dns version	get dns version	-O, --orchestrator: dns platform reference label -P, --project: dns current project name
platform dns zone-alias-query	get fqdn address form alias	-O, --orchestrator: dns platform reference label -P, --project: dns current project name alias: alias -group: dns group. Can be resolver or update [default=resolver]
platform dns zone-authority-get	the SOA (Start of Authority) used to manage the zone	-O, --orchestrator: dns platform reference label -P, --project: dns current project name id: zone
platform dns zone-fqdn-query	get ip address form fqdn	-O, --orchestrator: dns platform reference label -P, --project: dns current project name fqdn: fqdn -group: dns group. Can be resolver or update [default=resolver]
platform dns zone-get	get all the managed zones	-O, --orchestrator: dns platform reference label -P, --project: dns current project name
platform dns zone-nameserver-get	get all the nameservers that resolve the zone	-O, --orchestrator: dns platform reference label -P, --project: dns current project name id: zone
platform dns zone-orchestrator-get	get all the configured orchestrators	-O, --orchestrator: dns platform reference label -P, --project: dns current project name

platform elastic (elastic management)

platform elastic cluster-health	get cluster health	
platform elastic cluster-nodes	get cluster nodes	
platform elastic cluster-stats	get cluster statistics	
platform elastic index-count	count index documents	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] index: index name -query: simple query like field1:value1 -sort: sort field. Ex. date:desc -fields: comma separated list of fields to show
platform elastic index-del	delete index	index: index name
platform elastic index-get	get indexes	-index: index name -pattern: index pattern
platform elastic index-list	list indexes	-pattern: index pattern

platform elastic index-query	query index	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] index: index name -query: simple query like field1:value1 -sort: sort field. Ex. date:desc -fields: comma separated list of fields to show
platform elastic index-stats	get index statistics	index: index name
platform elastic info	get elastic info	
platform elastic ping	ping elastic	
platform elastic role-mapping-add	add role mapping	name: role mapping name role_name: role name user_email: user email realm_name: realm name
platform elastic role-mapping-del	delete role mapping	name: role mapping name
platform elastic role-mapping-get	get role mapping	-name: role mapping name
platform elastic user-add	add user	name: user name password: password role: role -full_name: full_name -email: full_name
platform elastic user-del	delete user	name: user name
platform elastic user-get	get user	-name: user name

platform fwlog (firewall logs management)

platform fwlog dfw	show log for dfw	-O, --orchestrator: mysql cluster or single node reference label -size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -index: index name -reject: if true show only reject -sort: sort field. Ex. @timestamp:desc -pretty: if true show pretty logs -ip: ip address
platform fwlog edge	show log for edge	-O, --orchestrator: mysql cluster or single node reference label -size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] edge: edge name -type: log type: firewall, config, nat, -index: index name -reject: if true show only reject -sort: sort field. Ex. @timestamp:desc -pretty: if true show pretty logs -ip: ip address

platform grafana (grafana platform management)

platform grafana alert-notification-add	add alert notification	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label name: alert notification name email: alert notification email
platform grafana alert-notification-del	delete alert notification	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label id: alert notification uid
platform grafana alert-notification-get	get alert notification	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label -id: alert notification uid -name: alert notification name

platform grafana alert-notification-update	update alert notification	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label id: alert notification uid name: alert notification name email: alert notification email
platform grafana dashboard-add	add dashboard	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label data_dashboard: dashboard data
platform grafana dashboard-copy	copy dashboard	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label name: dashboard name to search folder_uid: folder uid where add dashboard organization: organization name division: division name account: account name
platform grafana dashboard-del	delete dashboard	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label id: dashboard id
platform grafana dashboard-get	get dashboard	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label -id: dashboard uid -search: dashboard search query -folder: folder id - 0 for General
platform grafana folder-add	add folder	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label name: folder name
platform grafana folder-dashboard-get	get folder dashboard	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label id: folder uid or "general" for general folder -search: dashboard search query
platform grafana folder-del	delete folder	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label uid: folder uid
platform grafana folder-get	get folder	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label -uid: folder uid -name: folder name
platform grafana folder-permission-add	add folder permission	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label uid: folder uid -team_viewer: team id viewer -team_editor: team id editor

platform grafana folder-permission-get	add folder permission	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label uid: folder uid -team_viewer: team id viewer -team_editor: team id editor
platform grafana ping	ping grafana	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label
platform grafana team-add	add team	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label name: team name
platform grafana team-del	delete team	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label id: team id
platform grafana team-get	get team	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label -id: team id -name: team name
platform grafana team-user-add	add user to team	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label team_id: team id user_id: user id
platform grafana team-user-del	delete user from team	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label team_id: team id user_id: user id
platform grafana team-user-get	get user of team	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label id: team id
platform grafana user-add	add user	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label -name: user name -email: email -login: user login -password: password
platform grafana user-del	delete user	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label id: user id
platform grafana user-get	get user	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label -id: user uid -name: user name

platform grafana version	get grafana version	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: grafana platform reference label
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platform graphite (graphite management)

platform graphite vm-metric	get vm metrics	ip_address_graphite: ip address graphite pod: pod name vm: vm name metrics: metric function: function period: period
platform graphite vm-metric-highest	get vm highest metrics	ip_address_graphite: ip address graphite pod: pod name metrics: metric function: function period: period
platform graphite vm-metric-one	get vm one metric	ip_address_graphite: ip address graphite pod: pod name vm: vm name metrics: metric function: function period: period

platform k8s (k8s management)

platform k8s app-add	add k8s app	-C, --cluster: k8s cluster reference label -N, --namespace: k8s current namespace app: app name
platform k8s app-del	delete k8s app	-C, --cluster: k8s cluster reference label -N, --namespace: k8s current namespace app: app name
platform k8s app-get	query k8s app	-C, --cluster: k8s cluster reference label -N, --namespace: k8s current namespace app: app name
platform k8s cluster-health	get cluster health	
platform k8s cluster-nodes	get cluster nodes	
platform k8s cluster-stats	get cluster statistics	
platform k8s deploy-get	get k8s deployment app	-C, --cluster: k8s cluster reference label -N, --namespace: k8s current namespace -id: deployment app id
platform k8s index-count	count index documents	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] index: index name -query: simple query like field1:value1 -sort: sort field. Ex. date:desc -fields: comma separated list of fields to show
platform k8s index-del	delete index	index: index name
platform k8s index-get	get indexes	-index: index name -pattern: index pattern
platform k8s index-list	list indexes	-pattern: index pattern
platform k8s index-query	query index	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] index: index name -query: simple query like field1:value1 -sort: sort field. Ex. date:desc -fields: comma separated list of fields to show
platform k8s index-stats	get index statistics	index: index name
platform k8s info	get elastic info	
platform k8s namespace-get	get k8s namespace	-C, --cluster: k8s cluster reference label -N, --namespace: k8s current namespace

platform k8s node-get	get k8s nodes	-C, --cluster: k8s cluster reference label -N, --namespace: k8s current namespace -id: node id
platform k8s ping	ping k8s cluster	-C, --cluster: k8s cluster reference label -N, --namespace: k8s current namespace
platform k8s pod-connect	connect to k8s pod	-C, --cluster: k8s cluster reference label -N, --namespace: k8s current namespace id: pod id -cmd: command to run
platform k8s pod-elk-log-count	get k8s pod elk log count	-C, --cluster: k8s cluster reference label -N, --namespace: k8s current namespace -id: pod id
platform k8s pod-get	get k8s pod	-C, --cluster: k8s cluster reference label -N, --namespace: k8s current namespace -id: pod id
platform k8s pod-log	get k8s pod	-C, --cluster: k8s cluster reference label -N, --namespace: k8s current namespace -name: pod name like -id: pod id -lines: the number of lines from the end of the logs to show -follow: follow the log stream of the pod
platform k8s role-mapping-add	add role mapping	name: role mapping name role_name: role name user_email: user email realm_name: realm name
platform k8s role-mapping-del	delete role mapping	name: role mapping name
platform k8s role-mapping-get	get role mapping	-name: role mapping name
platform k8s service-get	get k8s service	-C, --cluster: k8s cluster reference label -N, --namespace: k8s current namespace
platform k8s user-add	add user	name: user name password: password role: role -full_name: full_name -email: full_name
platform k8s user-del	delete user	name: user name
platform k8s user-get	get user	-name: user name

platform kibana (kibana platform management)

platform kibana ping	ping kibana	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: kibana platform reference label
platform kibana role-add	add role	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: kibana platform reference label name: role name indice: indice space_id: space_id
platform kibana role-del	delete role	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: kibana platform reference label name: role name
platform kibana role-get	get role	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: kibana platform reference label -name: role name
platform kibana space-add	add space	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: kibana platform reference label id: space id

		name: space name -description: space description -color: space color -initials: space initials
platform kibana space-del	delete space	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: kibana platform reference label id: space id
platform kibana space-get	get space	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: kibana platform reference label -id: space id
platform kibana version	get kibana version	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: kibana platform reference label

platform mysql (mysql/mariadb management)

platform mysql binary-log-purge	purge mysql binary logs	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port
platform mysql binary-log-show	show mysql binary logs	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port
platform mysql drop	drop mysql db	-O, --orchestrator: mysql cluster or single node reference label db: db name -port: mysql port
platform mysql drops	drop mysql dbs	-O, --orchestrator: mysql cluster or single node reference label dbs: db name comma separated -port: mysql port
platform mysql dump	dump mysql db	-O, --orchestrator: mysql cluster or single node reference label db: db name file: dump file
platform mysql galera-cluster-status	get mariadb galera cluster status	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port -check_host: list of comma separated host to check
platform mysql load	load mysql db	-O, --orchestrator: mysql cluster or single node reference label db: db name file: dump file
platform mysql ping	ping mysql instance	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port
platform mysql replica-slave-start	start replica on slave	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port
platform mysql replica-slave-status	get mariadb slave replica status	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port
platform mysql replica-slave-stop	stop replica on slave	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port

platform mysql dbs (mysql database management)

platform mysql dbs add	add mysql database	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port name: database name
platform mysql dbs drop	delete mysql database	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port name: database name
platform mysql dbs get	get mysql database list	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port

platform mysql dbusers (mysql user management)

platform mysql dbusers add	add mysql user	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port -host: user host
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		name: user name pwd: user password
platform mysql dbusers drop	delete mysql user	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port name: user name
platform mysql dbusers get	get mysql user list	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port
platform mysql dbusers grant	grant db to user	-O, --orchestrator: mysql cluster or single node reference label -port: mysql port -host: user host name: user name -db: db to grant

platform mysql tables (mysql table management)

platform mysql tables check	check mysql tables	-O, --orchestrator: mysql cluster or single node reference label db: db name -port: mysql port
platform mysql tables desc	get mysql table description	-O, --orchestrator: mysql cluster or single node reference label db: db name table: table name -port: mysql port
platform mysql tables get	get mysql table list	-O, --orchestrator: mysql cluster or single node reference label db: db name -port: mysql port
platform mysql tables query	query mysql db table	-O, --orchestrator: mysql cluster or single node reference label db: db name table: table name -rows: query rows number -offset: query rows offset -detail: rotate record output -fields: comma separated list of fields -order: ield used to order records -where: custom where -port: mysql port

platform nginx (Nginx management)

platform nginx ping	ping nginx instances	-O, --orchestrator: mysql cluster or single node reference label
platform nginx status	get nginx instances status	-O, --orchestrator: mysql cluster or single node reference label

platform ontap (netapp ontap management)

platform ontap cluster-get	cluster get	-O, --orchestrator: ontap platform reference label
platform ontap cluster-peer-get	cluster peer get	-O, --orchestrator: ontap platform reference label
platform ontap ping	ping ontap	-O, --orchestrator: ontap platform reference label
platform ontap snapmirror-get	get ontap snapmirror volumes	-O, --orchestrator: ontap platform reference label -id: svm uuid -source_path: source path -source_svm: source svm -dest_path: dest path
platform ontap svm-get	get svm	-O, --orchestrator: ontap platform reference label -id: svm uuid -name: svm name like -order_by: order by
platform ontap svm-peer-get	svm get peer	-O, --orchestrator: ontap platform reference label -id: svm uuid -svm: svm name -name: name like -order_by: order by
platform ontap volume-get	get volume	-O, --orchestrator: ontap platform reference label -id: volume uuid -name: volume name like -svm: svm name to limit the search to (volumes 'in that svm') -H: human readable (i.e. B, KB, MB, GB, TB) -precise: show also size as precise integer multiple of bytes

platform ontap volume-snapshot-get	get ontap volume snapshots	-O, --orchestrator: ontap platform reference label volume: volume uuid
platform ontap volume-usage	get ontap volume usage	-O, --orchestrator: ontap platform reference label svms: comma separated list of svms -H: human readable (i.e. B, KB, MB, GB, TB) -precise: show also size as precise integer multiple of bytes

platform openstack (openstack platform)

platform openstack aggregate-add	add aggregate	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: aggregate name availability_zone: availability zone
platform openstack aggregate-del	delete openstack aggregate	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: aggregate id
platform openstack aggregate-get	get aggregates	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: aggregate id
platform openstack aggregate-host-add	add host to openstack aggregate	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: aggregate id host: host_id
platform openstack aggregate-host-del	delete host from openstack aggregate	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: aggregate id host: host_id
platform openstack aggregate-metadat-update	update metadata to openstack aggregate	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: aggregate id metadata: key:value,key:value
platform openstack aggregate-update	update openstack aggregate	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: aggregate id -name: aggregate name -availability_zone: aggregate availability zone
platform openstack catalog	get openstack keystone catalog	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack domain-get	get domains	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: cluster id
platform openstack flavor-add	add flavor	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: flavor name vcpu: vcpu ram: ram disk: disk
platform openstack flavor-del	delete openstack flavor	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: flavor id
platform openstack flavor-extra-spec-add	add flavor extra spec	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: flavor id spec: flavor extra spec keys. Syntax k1:v1,k2:v2
platform openstack flavor-extra-spec-del	delete openstack flavor	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: flavor id spec: flavor extra spec key
platform openstack flavor-extra-spec-get	get flavor extra specs	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: flavor id -spec: flavor extra spec key
platform openstack flavor-extra-spec-update	update openstack flavor	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: flavor id spec: flavor extra spec key. Syntax k1:v1 spec_value: flavor extra spec key
platform openstack flavor-get	get flavors	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: flavor id

platform openstack flavor-update	update openstack flavor	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: flavor id -name: flavor name -desc: flavor description
platform openstack floatingip-del	delete openstack floatingip	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: floatingip id
platform openstack floatingip-get	get floatingips	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: floatingip id
platform openstack host-status	print host status	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -host: node name -loop: if value > 1 enable query loop
platform openstack image-add	add openstack image	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: image name -disk_format: disk format e.g.: ami, ari, aki, vhd, vhdx, vmdk, raw, qcow2, vdi, ploop, iso -min_disk: amount of disk space in GB that is required to boot the image. -min_ram: amount of RAM in MB that is required to boot the image -visibility: image visibility: public, private, shared, or community
platform openstack image-del	delete openstack image	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: image id
platform openstack image-download	download openstack image	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: image id name: image file name
platform openstack image-get	get images	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: image id -owner: owner -visibility: image visibility: all, public, private, shared, or community
platform openstack image-schema-get	get image schemas	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: image id
platform openstack image-task-get	get image tasks	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: image task id
platform openstack image-upload	upload openstack image	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: image id name: image file name
platform openstack keypair-del	delete openstack keypair	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: keypair id
platform openstack keypair-get	get keypairs	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: keypair id
platform openstack keystone-role-get	get keystone roles	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack keystone-user-get	get keystone users	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack mariadb-cluster-status	get mariadb galera cluster status	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack mariadb-ping	ping mariadb instances	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack network-add	add openstack network	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: network name project: parent project id -physical_network: physical network -segmentation_id: segmentation id -type: network type. Can be flat, vlan, vxlan, or gre -mt: the maximum transmission unit MTU
platform openstack network-del	delete openstack network	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: network id

platform openstack network-get	get networks	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: network id
platform openstack network-update	update openstack network	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: network id -name: network name -shared: network shared -mtu: network mtu
platform openstack ping	ping openstack	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack port-add	add openstack port	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: port name network: network id -subnet: subnet id -tenant: tenant id -ipaddress: ip addresses associated to subnet -allowed-ipaddress: allowed ip address -allowed-macaddress: allowed ip macaddress -host: host id -device_owner: device owner -security_groups: One or more security group id.
platform openstack port-add-batch	add openstack port	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack port-del	delete openstack port	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: port id
platform openstack port-get	get ports	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: port id -project: project id -network: network id -status: the port status. Value is ACTIVE or DOWN -device: the id of the device that uses this port -device_owner: the entity type that uses this port. For example: - compute:nova (server instance), network:dhcp (DHCP agent) - network:router_interface (router interface). -security_group: the id of any attached security groups
platform openstack port-update	update openstack port	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: port id -name: port name -desc: port description -sgs: port security groups comma separated -allowed_ips: a comma separated list of allowed ip address -port_security_enabled: enable or disable port security
platform openstack project-add	add openstack project	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: project name domain: project domain id -desc: project description -parent: parent project id -enabled: enabled status
platform openstack project-default-member-set	get openstack project default members	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: project id
platform openstack project-del	delete openstack project	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: project id
platform openstack project-get	get projects	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: project id
platform openstack project-member-get	get openstack project members	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: project id
platform openstack project-quota-get	get project quotas	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: project id
platform openstack project-quota-set	set project quotas	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: project id quota_type: project quota type. can be compute, block, network, share quota: project quota name value: project quota value

platform openstack project-update	update openstack project	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: project id -name: project name -desc: project description -domain: parent domain id -parent: parent project id -enabled: enabled status
platform openstack region-get	get regions	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack router-add	add openstack router	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: router name tenant: parent project id -network: physical router -ext-subnet: external subnet -ext-ip: external ip address
platform openstack router-del	delete openstack router	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: router id
platform openstack router-get	get routers	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: router id
platform openstack router-port-add	add openstack router internal interfafe	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: router id subnet: subnet id -ip: intarface ip
platform openstack router-port-del	delete openstack router internal interfafe	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: router id subnet: subnet id
platform openstack router-reset-routes	reset openstack router routes	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: router id
platform openstack router-rewrite-routes	rewrite existing openstack router routes	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: router id
platform openstack router-update	update openstack router	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: router id -name: router name -network: physical router -ext-subnet: external subnet -ext-ip: external ip address -routes: routes like dest:nexthop,dest:nexthop
platform openstack security-group-add	add openstack security group	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: security_group name project: parent project id
platform openstack security-group-check	check openstack security_group	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -delete: security_group id
platform openstack security-group-del	delete openstack security_group	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: security_group id
platform openstack security-group-get	get security_groups	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: security_group id
platform openstack security-group-rule-add	add openstack security group rule	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: security group rule id -direction: direction. Can be ingress or egress -ethertype: Must be IPv4 or IPv6 -port_min: port range min -port_max: port range max -protocol: protocol -remote_ip: remote ip
platform openstack security-group-rule-del	delete openstack security group rule	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: security group rule id

platform openstack security-group-rule-get	get openstack security group rule	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: security group rule id
platform openstack security-group-update	update openstack security group	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: security_group id -name: security_group name -desc: security_group description
platform openstack server-action-get	get server actions	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id -action: action id
platform openstack server-add	add openstack server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: server name -flavor: flavor reference id -boot_volume: boot volume id -admin_pass: admin password -description: description -security_groups: security groups -networks: list of networks -config_drive: list of networks -availability_zone: availability zone -image: The UUID of the image to use for your server instance.
platform openstack server-console	get openstack server console	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-console-output	get openstack server console output	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-create-image	create image from a server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id name: image name
platform openstack server-del	delete openstack server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-diagnostics	get openstack server diagnostics	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-get	get servers	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: server id -host: compute node name -status: server status -updated_at: Filter the server list result by a date and time stamp when the instance was updated. The date and timestamp format is ISO 8601: CCYY-MM-DDThh:mm:ss±hh:mm. For example, 2015-08-27T09:49:58-05:00
platform openstack server-group-add	add openstack server group	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: server group name -policy: one policy name to associate with the server group. Policy names are: "anti-affinity" servers in this group must be scheduled to different hosts, "affinity" servers in this group must be scheduled to the same host, "soft-anti-affinity" servers in this group should be scheduled to different hosts if possible, but if not possible then they should still be scheduled instead of resulting in a build failure, "soft-affinity" servers in this group should be scheduled to the same host if possible, but if not possible then they should still be scheduled instead of resulting in a build failure
platform openstack server-group-del	delete openstack server group	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server group id
platform openstack server-group-get	get server groups	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: server group id -size: number of item to return -page: page to return
platform openstack server-group-member-add	add openstack server group member	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server group id server: server id
platform openstack server-group-member-del	delete openstack server group member	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server group id

		server: server id
platform openstack server-lock	lock server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-metadata-add	add openstack server metadata	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id volume: volume id
platform openstack server-metadata-del	delete openstack server metadata	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id volume: volume id
platform openstack server-metadata-get	get openstack server metadata	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-migrate	migrate server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id -host: host id -live: if true enable live migration
platform openstack server-migration-del	abort server migration	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id migration_id: server migration id
platform openstack server-migration-list	server migration list	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: server id
platform openstack server-pause	pause server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-port-add	add openstack server port	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id -port: port id -net: network id -ipaddress: ip address -subnet: subnet id
platform openstack server-port-del	delete openstack server port	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id port: port id
platform openstack server-port-get	get openstack server ports	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-reboot	reboot server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-rebuild	rebuild openstack server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id -image: The UUID of the image to use for your server instance.
platform openstack server-reset-state	reset server state	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id state: server state
platform openstack server-resize	set server flavor	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id flavor: flavor id
platform openstack server-resume	resume server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-sg-add	add openstack server security group	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id sg: security group id
platform openstack server-sg-del	delete openstack server security group	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id sg: security group id
platform openstack server-	get openstack server security group	-O, --orchestrator: openstack platform reference label

sg-get		-P, --project: openstack current project name id: server id
platform openstack server-smart-ping	ping servers for a host	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -host: node name -name: vm name
platform openstack server-smart-reset-status	reset servers state for a host	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -host: node name
platform openstack server-smart-start	start servers for a host	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -host: node name
platform openstack server-start	start server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-stop	stop server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-suspend	suspend server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-unlock	unlock server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-unpause	unpause server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack server-update	update openstack server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id -name: server name -desc: server description
platform openstack server-volume-add	add openstack server volume	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name server_id: server id volume_id: volume id (see volume-add to create it.)
platform openstack server-volume-del	delete openstack server volume	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id volume: volume id
platform openstack server-volume-get	get openstack server volumes	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: server id
platform openstack servers-migrate	migrate servers	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name from_host: starting host -to_host: destination host -live: if true enable live migration
platform openstack share-add	add manila share	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: share name size: share size in GB proto: share protocol (NFS, CIFS, GlusterFS, HDFS, or CephFS. CephFS) type: share type id -snapshot: share snapshot id -group: share group id -network: the id of a share network where the share server exists or will be created. If is None and you provide a snapshot_id, the network value from the snapshot is used
platform openstack share-del	delete manila shares	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: share id -force: if true force delete
platform openstack share-get	get manila shares	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: share id
platform openstack share-grant-add	add manila share access grant	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: share id -level: the access level to the share. rw: Read and write (RW) access. ro: Read-only (RO) access. -type: the access rule type. ip: Authenticates an instance through its IP

		<p>address. cert: Authenticates an instance through a TLS certificate. user: Authenticates by a user or group name. -to: the value that defines the access. ip: A valid format is XX.XX.XX.XX or XX.XX.XX.XX/XX. For example 0.0.0.0/0. cert: Specify the TLS identity as the IDENTKEY. A valid value is any string up to 64 characters long in the common name (CN) of the certificate. The meaning of a string depends on its interpretation. user: A valid value is an alphanumeric string that can contain some special characters and is from 4 to 32 characters long.</p>
platform openstack share-grant-remove	remove manila share access grant	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: share id access_id: grant id</p>
platform openstack share-limit-get	get manila share limits	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name</p>
platform openstack share-message-get	get manila share messages	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: share id</p>
platform openstack share-network-add	add manila share network	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: share network name -desc: share network description network: The UUID of a neutron network when setting up or updating a share network subnet with neutron. Specify both a neutron network and a neutron subnet that belongs to that neutron network. subnet: The UUID of the neutron subnet when setting up or updating a share network subnet with neutron. Specify both a neutron network and a neutron subnet that belongs to that neutron network. -availability_zone: The UUID or name of an availability zone for the share network subnet.</p>
platform openstack share-network-del	delete manila share networks	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: share network id</p>
platform openstack share-network-get	get manila share networks	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: share network id -network: neutron network id -subnet: neutron subnet id</p>
platform openstack share-network-security-service-add	add security service to share network	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: share network id service: security service id</p>
platform openstack share-network-security-service-del	delete security service from share network	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: share network id service: security service id</p>
platform openstack share-network-update	update manila share network	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: share network id -name: share network name -desc: share network description network: The UUID of a neutron network when setting up or updating a share network subnet with neutron. Specify both a neutron network and a neutron subnet that belongs to that neutron network. -subnet: The UUID of the neutron subnet when setting up or updating a share network subnet with neutron. Specify both a neutron network and a neutron subnet that belongs to that neutron network.</p>
platform openstack share-server-del	delete manila share servers	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: share server id</p>
platform openstack share-server-get	get manila share servers	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: share server id</p>
platform openstack share-size-extend	extend manila share size	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: share id size: new size of the share, in GBs.</p>
platform openstack share-size-shrink	shrink manila share size	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: share id size: new size of the share, in GBs.</p>
platform openstack share-snapshot-revert	revert manila share to snapshot	<p>-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: share id snapshot_id: the share snapshot id</p>

platform openstack share-status-reset	reset manila share status	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: share id -status: the share access status, which is new, error, active
platform openstack share-type-get	get manila share types	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: share type id -desc: share type description
platform openstack stack-add	add openstack stack	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: stack name project: parent project id physical_stack: physical stack -segmentation_id: segmentation id
platform openstack stack-del	delete openstack stack	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: stack id
platform openstack stack-get	get stacks	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: stack id
platform openstack stack-resource-get	get heat stack resources	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: stack id -resource: stack resource name
platform openstack stack-resource-patch	mark the specified resource in the stack as unhealthy	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: stack id -resource: stack resource name
platform openstack stack-update	update openstack stack	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: stack id -name: stack name -desc: stack description
platform openstack subnet-add	add openstack subnet	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: subnet name network: parent network id -gateway: gateway ip cidr: subnet cidr -enable-dhcp: enable dhcp dns: comma separated subnet dns
platform openstack subnet-del	delete openstack subnet	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: subnet id
platform openstack subnet-get	get subnets	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: subnet id -project: project id -network: network id
platform openstack subnet-update	update openstack subnet	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: subnet id -name: subnet name -desc: subnet description
platform openstack sys-api-extension-get	get api extensions	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-api-get	get api versions	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-compute-agent-get	get compute agents. Use guest agents to access files on the disk, configure networking, and run other applications and scripts in the guest while it runs. This hypervisor-specific extension is not currently enabled for KVM. Use of guest agents is possible only if the underlying service provider uses the Xen driver.	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-compute-host-aggregate-get	get compute host aggregates	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-compute-host-get	get physical hosts	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-compute-host-status	set physical host status	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name host: host id

platform openstack sys-compute-hypervisor-get	displays extra statistical information from the machine that hosts the hypervisor through the API for the hypervisor (XenAPI or KVM/libvirt).	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-compute-hypervisor-servers	displays extra statistical information from the machine that hosts the hypervisor through the API for the hypervisor (XenAPI or KVM/libvirt).	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-compute-hypervisor-stats	compute hypervisors statistics	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-compute-service-get	get compute services	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-compute-zone-get	get compute availability zones	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-network-agent-get	get network agents	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-network-service-provider-get	get api versions	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-orchestrator-service-get	get heat services	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-storage-backend-capabilities	shows capabilities for a storage back end	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name host: host id
platform openstack sys-storage-backend-storage-pool-get	lists all back-end storage pools	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-storage-host-get	lists all hosts summary info that is not disabled	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-storage-service-get	get storage service.	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack sys-user-get	get users	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack ultra-ping	ultra ping openstack	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -vip: if true check only the vip
platform openstack ultra-ping2	ultra ping openstack instances using an heavy query	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -vip: if true check only the vip
platform openstack ultra-ping3	ultra ping openstack instances components	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -vip: if true check only the vip
platform openstack version	get openstack version	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack volume-add	add volume	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: volume name size: volume size in Gb -type: volume type -snapshot_id: the snapshot id
platform openstack volume-api-extensions	volume api extensions	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform openstack volume-attach	attach volume from server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: volume id instance: instance id mountpoint: instance mountpoint. ex. /dev/vda
platform openstack volume-attachment-get	get volume attachments	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: volume id -instance: instance id
platform openstack volume-backend-get	get all back-end storage pools that are known to the scheduler service	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -hostname: backend storage pool hostname -backendname: volume backend name
platform openstack volume-bootable-status-update	update volume	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: volume id -bootable: bootable status
platform openstack volume-	clone volume	-O, --orchestrator: openstack platform reference label

clone		-P, --project: openstack current project name name: volume name volume: volume id project: project id -volume_type: the volume type id
platform openstack volume-del	delete volume	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: volume id -force: force delete
platform openstack volume-detach	detach volume from server	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: volume id
platform openstack volume-extend	extend volume	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: volume id size: new volume size
platform openstack volume-get	get volumes	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: volume id -limit: requests a page size of items. Use -1 to list all the volume -offset: used in conjunction with limit to return a slice of items. offset is where to start in the list
platform openstack volume-group-add	add volume group	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: volume group name -availability_zone: volume group availability zone volume_types: the list of volume types. In an environment with multiple-storage back ends, the scheduler determines where to send the volume based on the volume type. group_type: group type id
platform openstack volume-group-del	delete volume group	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: volume group id
platform openstack volume-group-get	get volume groups	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: volume group id
platform openstack volume-group-snapshot-add	add volume group snapshot	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name group: volume group id -name: volume group snapshot name -desc: volume group snapshot description
platform openstack volume-group-snapshot-del	delete volume group snapshot	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: volume group snapshot id
platform openstack volume-group-snapshot-get	get volume group snapshots	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: volume group snapshot id -group: volume group id
platform openstack volume-group-type-add	add volume group type	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: volume group type name -group_specs: volume group type specs
platform openstack volume-group-type-del	delete volume group type	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: volume group type id
platform openstack volume-group-type-get	get volume group types	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: volume group id
platform openstack volume-group-update	update volume group	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: volume group id -name: volume group name -desc: volume group availability zone -del: One or more volume UUIDs, separated by commas, that you want to remove from group -add: One or more volume UUIDs, separated by commas, that you want to add to group
platform openstack volume-image-metadata-add	add volume image metadata	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: snapshot id metadata: key:value string metadata
platform openstack volume-image-metadata-del	del volume image metadata	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: snapshot id

		metadata: metadata key
platform openstack volume-manage	manage volume	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name source_volume_id: source volume id name: new volume name -desc: new volume description volume_type: volume type id -bootable: bootable value -host: source volume host -cluster: source volume cluster
platform openstack volume-message-get	get volume messages	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: volume message id
platform openstack volume-metadata-add	add volume metadata	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: snapshot id metadata: key:value string metadata
platform openstack volume-metadata-del	del volume metadata	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: snapshot id metadata: metadata key
platform openstack volume-migrate	migrate volume	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name volume_id: volume id host: host -force_host_copy: force_host_copy -lock_volume: lock_volume
platform openstack volume-snapshot-add	add volume snapshots	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: snapshot name volume: volume id -desc: snapshot description -force: indicates whether to snapshot, even if the volume is attached
platform openstack volume-snapshot-del	delete volume snapshot	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: snapshot id
platform openstack volume-snapshot-get	get volume snapshots	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: snapshot id -volume: volume id -group_snapshot: group snapshot id
platform openstack volume-snapshot-revert	revert volume to snapshot	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name volume: volume id snapshot: snapshot id
platform openstack volume-snapshot-status-set	set volume snapshot status	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: snapshot id -status: snapshot status
platform openstack volume-status-set	set volume status	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: volume id -status: volume id
platform openstack volume-type-get	get volume types	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: volume type id
platform openstack volume-type-update	change volume type	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: volume id volume_type: volume type id
platform openstack volume-unmanage	unmanage volume	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: volume id
platform openstack volume-update	update volume	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name id: volume id -name: volume name

platform redis (redis management)

platform redis cache-del	delete cache item	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number
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		-port: redis port -pattern: keys search pattern [default=*]
platform redis cache-get	get cache	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port -db: redis db [default=0] -pattern: keys search pattern [default=*] -cursor: cursor [default=0] -count: count [default=10] -value: if True show cache value
platform redis client-list	client list of redis instances	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port
platform redis confs	config of redis instances	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port
platform redis delete	delete redis records	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port -pattern: keys search pattern [default=*]
platform redis deletes	delete redis keys older than a value in seconds	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number seconds: min ttl accepted -port: redis port -db: redis db [default=0] -pattern: keys search pattern [default=*] -cursor: cursor [default=0] -count: cursor [default=10]
platform redis flush	flush redis instances	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port
platform redis get	get redis records by pattern	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port -pattern: keys search pattern [default=*]
platform redis info	info from redis instances	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port
platform redis inspect	inspect redis instances	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port -pattern: keys search pattern [default=*]
platform redis ping	ping redis instances	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port
platform redis scan	scan redis instances	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port -db: redis db [default=0] -pattern: keys search pattern [default=*] -cursor: cursor [default=0] -count: cursor [default=10]
platform redis sentinel-ping	ping redis sentinel instances	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port
platform redis sentinel-status	discover redis sentinel status	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port
platform redis set	set redis record	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port key: record key value: record value
platform redis size	size of redis instances	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port
platform redis summary	summary of redis instances	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port
platform redis test	test redis cluster	-O, --orchestrator: redis cluster or single node reference label -D, --database: redis database number -port: redis port

platform scheduler schedules (cmp scheduler schedule management)

platform scheduler schedules add	create schedule reading data from a json file	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] subsystem: cmp subsystem --entity: cmp entity class schedule: schedule config in json file
platform scheduler schedules delete	delete schedule by name	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] subsystem: cmp subsystem --entity: cmp entity class schedule: schedule name
platform scheduler schedules get	get schedules	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] subsystem: cmp subsystem --entity: cmp entity class -name: schedule name

platform scheduler tasks (cmp scheduler task management)

platform scheduler tasks definitions	list all available tasks you can invoke	subsystem: cmp subsystem --entity: cmp entity class
platform scheduler tasks get	get task instances	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] subsystem: cmp subsystem --entity: cmp entity class -id: task uuid -objid: task entity objid -trace: task entity objid
platform scheduler tasks log	show log for worker instances	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] subsystem: cmp subsystem --entity: cmp entity class task: task uuid -index: index name -sort: sort field. Ex. date:desc -pretty: if true show pretty logs -server: server ip
platform scheduler tasks status	get task instance status	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] subsystem: cmp subsystem --entity: cmp entity class task: task uuid
platform scheduler tasks test	run test task	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] subsystem: cmp subsystem --entity: cmp entity class -number: number of iteration to run -concurrent: number of concurrent task to run
platform scheduler tasks test2	run test scheduled action	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] subsystem: cmp subsystem --entity: cmp entity class
platform scheduler tasks trace	get task instance execution trace	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] subsystem: cmp subsystem --entity: cmp entity class task: task uuid
platform scheduler tasks tree	display list of related tasks in tree-like format	-size: list page size [default=20] -page: list page [default=0]

-field: list sort field [default=id]
 -order: list sort order [default=DESC]
 subsystem: cmp subsystem
 --entity: cmp entity class
 id: task uuid
 -v: verbose, if true print task steps as well

platform trilio (trilio platform)

platform trilio auditlog	get auditlog of workload manager	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -time_in_minutes: time in minutes(default is 24 hrs.) -time_from: From date time in format MM-DD-YYYY -time_to: To date time in format MM-DD-YYYY (default is current day)
platform trilio license-add	add license	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name license_file: license file name
platform trilio license-check	check license	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform trilio license-get	list license	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform trilio protected-vm-get	get protected vm	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform trilio restore-cancel	cancel the shapshot restore	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name restore: unique identifier of trilio workload snapshot restore
platform trilio restore-delete	delete the shapshot restore	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name restore: unique identifier of trilio workload snapshot restore
platform trilio restore-follow	follow the execution of a shapshot restore	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name restore: unique identifier of trilio workload snapshot restore
platform trilio restore-get	display the snapshot restore	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -snapshot: snapshot id -id: snapshot restore id
platform trilio restore-server	restore a server from a snapshot. Project with -P must be specified	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name snapshot: unique identifier of trilio workload snapshot server: server id -server_name: server name [default=-restore-<...>] -overwrite: if True overwrite server -name: restore name -desc: restore description -network: target : -keep_ip: keep original ip
platform trilio restore-volume	restore a volume from a snapshot	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name snapshot: unique identifier of trilio workload snapshot volume: volume id -restore_name: restore name -restore_desc: restore description
platform trilio snapshot-add	add a snapshot. Project with -P must be specified	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name workload: workload id -name: snapshot name -desc: snapshot description -full: snapshot full flag.If True make a full snapshot
platform trilio snapshot-cancel	cancel a snapshot that is running. If the snapshot operation is in the middle of the data transfer of a resource, it waits for the data transfer operation is complete before terminating the snapshot operation.	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name snapshot: snapshot id
platform trilio snapshot-del	delete a snapshot	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name snapshot: snapshot id
platform trilio snapshot-get	display the snapshots of the specified workload	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -workload: workload id -id: snapshot id -date_from: From date in format 'YYYY-MM-DDTHH:MM:SS' eg 2016-10-10T00:00:00, If don't specify time then it takes 00:00 by default [default=3 day ago]

		-date_to: To date in format 'YYYY-MM-DDTHH:MM:SS', Specify HH:MM:SS to get snapshots within same day inclusive/exclusive results for date_from and date_to [default=today]
platform trilio snapshot-mount	mount a snapshot to an instance	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name snapshot: snapshot id instance: instance id where mount snapshot
platform trilio snapshot-mounted	list of all mounted snapshots	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform trilio snapshot-umount	umount a snapshot from an instance	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name snapshot: snapshot id
platform trilio status	Return the status (true or false) of the Cloud Wide TrilioVault Job Scheduler	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform trilio storage-usage	get workload storage usage	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform trilio tenant-usage	Gives storage used and vms protected by tenants	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform trilio workload-add	add a workload. Project with -P must be specified	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name name: workload name type_id: workload type id instances: comme separated list of instances -metadata: metadata -desc: workload description -fullbackup_interval: fullbackup interval [default=2] -start_date: start date. Ex. '06/05/2014' -end_date: end date. Ex. '07/15/2014' -start_time: start time. Ex. '2:30 PM' [default='4:00 AM'] -interval: interval. [default=24hrs] -snapshots_to_retain: snapshots to retain [default=4] -timezone: timezone [default=Europe/Rome]
platform trilio workload-del	delete the workload. Project with -P must be specified	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name workload: workload id
platform trilio workload-get	get workload	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name -id: workload id -verbose: workload verbose info
platform trilio workload-reset	Reset the workload. TrilioVault uses storage based snapshots for calculating backup images of application resources. For cinder volumes, it uses cinder snapshots and for ceph based nova backends, it uses ceph snapshots for calculating the backup images. Depending the state of the workload backup operation, each of these resources may have one or more snapshots outstanding. Workload-reset deletes all outstanding snapshots on all resources of the application. Workload-reset is useful if you want to decommission the application, but you still want to keep all the backups of the application. NOTE: It is highly recommended to perform workload-reset before deleting any application resources from OpenStack.	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name workload: workload id
platform trilio workload-status	display workloads status with the last snapshot	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform trilio workload-types	display workload types	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform trilio workload-unlock	unlock the workload	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name workload: workload id
platform trilio workload-update	update the workload. Project with -P must be specified	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name workload: workload id -name: workload name -instances: comme separated list of instances -metadata: metadata -desc: workload description -fullbackup_interval: fullbackup interval -start_date: start date. Ex. '06/05/2014' -end_date: end date. Ex. '07/15/2014' -start_time: start time. Ex. '2:30 PM' -interval: interval

-snapshots_to_retain: snapshots to retain
-timezone: timezone
-enabled: enable workloa

platform veeam (veeam platform management)

platform veeam backup-get	get backup	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: veeam platform reference label -job_id: job uid -uid: backup uid -name: backup name pattern (es. *BCK*)
platform veeam job-get	get job	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: veeam platform reference label -uid: job uid -name: job name pattern (es. *BCK*)
platform veeam ping	ping veeam	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: veeam platform reference label
platform veeam restorepoint-get	get restorepoint	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: veeam platform reference label -backup_id: backup uid -uid: restorepoint uid -name: restorepoint name pattern (es. *centos*)
platform veeam version	get veeam version	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -O, --orchestrator: veeam platform reference label

platform virsh (libvirt platform)

platform virsh domain-get	get libvirt host domains	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name hostip: host ip -status: domain status can be: 1 - ACTIVE, 2 - INACTIVE, 4 - PERSISTENT, 8 - TRANSIENT, 16 - RUNNING, 32 - PAUSED, 64 - SHUTOFF, 128 - OTHER -id: domain name
platform virsh domain-ping	ping libvirt host domains	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name hostip: host ip -id: domain name
platform virsh domain-stats	get libvirt host domain stats	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name hostip: host ip -id: domain name
platform virsh domain-usage	get libvirt host domain usage date	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name hostip: host ip -id: domain name
platform virsh hosts	get libvirt hosts	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name
platform virsh servers	get libvirt host domains	-O, --orchestrator: openstack platform reference label -P, --project: openstack current project name hostip: host ip -status: domain status can be: 1 - ACTIVE, 2 - INACTIVE, 4 - PERSISTENT, 8 - TRANSIENT, 16 - RUNNING, 32 - PAUSED, 64 - SHUTOFF, 128 - OTHER

platform vsphere (vsphere platform)

platform vsphere cluster-get	get clusters	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: cluster id
platform vsphere datacenter-get	get datacenters	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: cluster id
platform vsphere datacenter-sessions	get datacenter sessions	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name
platform vsphere datastore-get	get datastores	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: datastore id
platform vsphere dfw-exclusion-add	add member to distributed firewall exclusion list	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name member: member id
platform vsphere dfw-exclusion-del	delete member from distributed firewall exclusion list	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name member: member id
platform vsphere dfw-exclusion-get	get distributed firewall exclusion list	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name
platform vsphere dfw-rule-add	add distributed firewall rule	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name section: section id name: rule name -action: rule action: allow or deny -direction: rule name -sources: rule sources. Ex. SecurityGroup:securitygroup-22,Ipv4Address:10.1.1.0/24 -dests: rule sources. Ex. SecurityGroup:securitygroup-22,Ipv4Address:10.1.1.0/24 -services: rule services -appliedto: rule sources. Ex. DISTRIBUTED_FIREWALL:DISTRIBUTED_FIREWALL
platform vsphere dfw-rule-get	get distributed firewall rules	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name section: section id rule: rule id
platform vsphere dfw-rules-del	delete distributed firewall rules	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name section: section id rules: comma separated list of rules id
platform vsphere dfw-section-add	add distributed firewall sections	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name name: section name
platform vsphere dfw-section-check	check distributed firewall sections	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name
platform vsphere dfw-section-del	delete distributed firewall sections	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name section: section id
platform vsphere dfw-section-get	get distributed firewall sections	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: section id
platform vsphere dfw-status	get distributed firewall status	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -section: section id
platform vsphere dlr-get	list vsphere dlr	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere dvpg-add	add vsphere dvpg	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name name: dvpg name vlan: dvpg vlan dvs: dvpg dvs
platform vsphere dvpg-del	delete vsphere dvpg	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: dvpg id
platform vsphere dvpg-get	get dvpgs	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: dvpg id

platform vsphere dvs-get	get dvss	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: dvs id
platform vsphere edge-add	add vsphere edge	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name name: edge name datacenter: datacenter mor-id cluster: cluster mor-id datastore: datastore mor-id uplink_dvpg: uplink dvpg mor-id uplink_ipaddress: uplink address uplink_prefix: uplink prefix pwd: admin user password dns1: dns name server 1 domain: dns zone
platform vsphere edge-appliance-get	get edge appliances	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id -appliance: appliance id
platform vsphere edge-availability-config	delete vsphere edge	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-del	delete vsphere edge	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-dhcp-config	delete vsphere edge	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-dns-config	delete vsphere edge	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-fw-config	get edge firewall config	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-fw-rule-add	add edge firewall rule	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id name: rule name -action: rule action. Can be: accept, deny -direction: rule direction. Can be: in, out -logged: rule logged -desc: rule description -enabled: rule name -source: rule source. list of comma separated item like: ip:, grp:, vnic: -dest: rule destination. list of comma separated item like: ip:, grp:, vnic: -app: rule application. list of comma separated item like: app:, ser:proto+port+source_port
platform vsphere edge-fw-rule-del	delete edge firewall rule	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id rule: rule id
platform vsphere edge-fw-rule-get	get edge firewall rule	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id rule: rule id
platform vsphere edge-fw-rule-update	update edge firewall rule	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: rule id -name: rule name -desc: rule description -act: rule action -dir: rule direction -src_add: add rule source -src_del: remove rule source -dst_add: add rule destination -dst_del: remove rule destination -appl: rule application -logged: enable rule log -enabled: enable rule
platform vsphere edge-get	get vsphere edges	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: edge id

platform vsphere edge-gslb-config	get edge global load balancer config	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-ipsec-config	delete vsphere edge	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-job-get	get vsphere edge job	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: job id
platform vsphere edge-l2vpn-get	get vsphere edge l2 vpn config	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-lb-app-profile-add	add edge load balancer application profile	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id name: profile name template: network traffic template {TCP,UDP,HTTP,HTTPS} -http_redirect_url: HTTP redirect URL -persistence: persistence method -expire: persistence time in seconds [Default=300] -cookie_name: cookie name -cookie_mode: cookie mode [Default=insert] -insert_x_forwarded_for: insert X-Forwarded-for HTTP header [Default=False] -ssl_passthrough: enable SSL passthrough [Default=False] -client_ssl_serv_cert: client service certificate id. Required when client ssl=True -client_ssl_ca_cert: client ca certificate id [Optional] -client_ssl_cipher: client cipher suite [Default=DEFAULT] -client_auth: whether peer certificate should be verified [Default=Ignore] -server_ssl_serv_cert: server service certificate id -server_ssl_ca_cert: server ca certificate id. Mandatory if -server_auth is set to Required -server_ssl_cipher: server cipher suite [Default=DEFAULT] -server_auth: whether peer certificate should be verified [Default=Ignore] -server_ssl_enabled: enable pool side SSL [Default=False]
platform vsphere edge-lb-app-profile-del	delete edge load balancer application profile	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: profile id
platform vsphere edge-lb-app-profile-get	get edge load balancer application profiles	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id -id: application profile id
platform vsphere edge-lb-app-profile-update	update edge load balancer application profile	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: profile id -http_redirect_url: HTTP redirect URL -persistence: persistence method -expire: persistence time in seconds [Default=300] -cookie_name: cookie name -cookie_mode: cookie mode [Default=insert] -insert_x_forwarded_for: insert X-Forwarded-for HTTP header [Default=False]
platform vsphere edge-lb-config-get	get edge load balancer config	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id
platform vsphere edge-lb-config-set	set general edge load balancer parameters	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id -acceleration: force load balancer to use L4 engine which is faster and more efficient than L7 engine -logging: enable/disable load balancer logging -log_level: logging level
platform vsphere edge-lb-monitor-add	add edge load balancer monitor	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id name: monitor name type: monitor type {HTTP,HTTPS,TCP,ICMP,UDP} -interval: interval in seconds in which a server is to be tested [Default=5] -timeout: maximum time in seconds in which a response from the server must be received [Default=15] -max_retries: maximum number of times the server is tested before it is declared down [Default=3] -method: method to send the health check request to the server [Default=GET for HTTP/HTTPS monitor type]

		-url: URL to GET or POST [Default="/" for HTTP/HTTPS monitor type] -expected: expected string [Default="HTTP/1" for HTTP/HTTPS monitor type] -send: string to be sent to the backend server after a connection is established. This option is mandatory when monitor type is UDP. -receive: string to be received from the backend server for HTTP/HTTPS protocol. This option is mandatory when monitor type is UDP. -extension: advanced monitor configuration.
platform vsphere edge-lb-monitor-del	delete edge load balancer monitor	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: monitor id
platform vsphere edge-lb-monitor-get	get edge load balancer monitors	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id -id: monitor id -name: monitor name
platform vsphere edge-lb-monitor-update	update edge load balancer service monitor	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: monitor id -interval: interval in seconds in which a server is to be tested [Default=5] -timeout: maximum time in seconds in which a response from the server must be received [Default=15] -max_retries: maximum number of times the server is tested before it is declared down [Default=3] -method: method to send the health check request to the server [Default=GET for HTTP/HTTPS monitor type] -url: URL to GET or POST [Default="/" for HTTP/HTTPS monitor type] -expected: expected string [Default="HTTP/1" for HTTP/HTTPS monitor type] -send: string to be sent to the backend server after a connection is established. This option is mandatory when monitor type is UDP. -receive: string to be received from the backend server for HTTP/HTTPS protocol. This option is mandatory when monitor type is UDP.
platform vsphere edge-lb-pool-add	add edge load balancer pool	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id name: pool name algorithm: balancing algorithm {round-robin,ip-hash,leastconn,uri} -desc: pool description -transparent: whether client IP addresses are visible to the backend servers -monitor: health check monitor id -ip_ver: ip address version
platform vsphere edge-lb-pool-del	delete edge load balancer pool	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: pool id
platform vsphere edge-lb-pool-get	get edge load balancer pools	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id -id: pool id -name: pool name
platform vsphere edge-lb-pool-member-add	add member to edge load balancer pool	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: pool id name: member name -ip_addr: member ip address -grouping_obj_id: member grouping object id -port: member port -monit_port: monitor port -weight: member weight -max_conn: maximum number of concurrent connections a member can handle. Default is 0 which means unlimited -min_conn: minimum number of concurrent connections a member can handle. Default is 0 which means unlimited -cond: Whether the member is enabled or disabled. Default is enabled
platform vsphere edge-lb-pool-members-del	remove member from edge load balancer pool	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id pool: pool id ids: comma separated list of member ids
platform vsphere edge-lb-pool-update	update edge load balancer pool	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: pool id

		-algorithm: balancing algorithm {round-robin,ip-hash,leastconn,uri} -transparent: whether client IP addresses are visible to the backend servers
platform vsphere edge-lb-rule-add	add edge load balancer application rule	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id name: rule name script: rule script. If it starts with "@", read content from a file. E.g. acl is_site01 hdr_dom(host) -i test-lb.site01.nivolapiemonte.it use_backend test-pool-1 if is_site01
platform vsphere edge-lb-rule-del	delete edge load balancer application rules	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: rule id
platform vsphere edge-lb-rule-get	get edge load balancer application rules	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id -id: rule id
platform vsphere edge-lb-rule-update	update edge load balancer application rules	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: rule id -name: rule name -script: rule script
platform vsphere edge-lb-start	enable edge load balancer	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id
platform vsphere edge-lb-stats-get	get edge load balancer statistics	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id -pool: pool id
platform vsphere edge-lb-stop	disable edge load balancer	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id
platform vsphere edge-lb-virt-server-add	add edge load balancer virtual server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id name: virtual server name ip_address: ip address that the load balancer is listening on protocol: virtual server protocol {HTTP,HTTPS} port: port number app_profile: application profile id pool: pool id -desc: virtual server description -max_conn: maximum concurrent connections -max_conn_rate: maximum incoming new connection requests per second -acceleration_enabled: use faster L4 load balancer engine rather than L7 load balancer engine
platform vsphere edge-lb-virt-server-add-account-desc	Add account in description of nsx virtual server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id -id: virtual server id
platform vsphere edge-lb-virt-server-del	delete edge load balancer virtual server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: virtual server id
platform vsphere edge-lb-virt-server-disable	disable edge load balancer virtual server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: virtual server id
platform vsphere edge-lb-virt-server-enable	enable edge load balancer virtual server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: virtual server id
platform vsphere edge-lb-virt-server-get	get edge load balancer virtual servers	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id -id: virtual server id
platform vsphere edge-lb-virt-server-update	update edge load balancer virtual server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name edge: edge id id: virtual server id -enabled: whether the virtual server is enabled -ip_address: ip address that the load balancer is listening on -protocol: virtual server protocol

		-port: port number -app_profile: application profile id -pool: pool id
platform vsphere edge-nat-config	get edge nat config	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-nat-rule-add	add edge nat rule	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id desc: rule description action: can be dn timer, snat original_address: original address translated_address: translated address -logged: if True enable logging -enabled: if True enable nat -original_port: original port -translated_port: translated port -protocol: protocol -vnic: vnic
platform vsphere edge-nat-rule-del	delete edge nat rule	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id rule: rule id
platform vsphere edge-route-default-add	add edge default route	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id gateway: edge gateway -mtu: mtu -vnic: vnic
platform vsphere edge-route-del-all	delete edge static route	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-route-get	get edge routing info	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-route-static-add	add edge static route	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id desc: rule description network: network next_hop: next_hop address -mtu: mtu -vnic: if True enable logging
platform vsphere edge-route-static-get	get edge static routes	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-set-pwd	set vsphere edge admin password	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id pwd: edge admin password
platform vsphere edge-sslvpn-delete	delete edge ssl vpn service	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-sslvpn-disable	disable edge ssl vpn service	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-sslvpn-enable	enable edge ssl vpn service	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-sslvpn-get	get edge ssl vpn config	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-sslvpn-install-pkg-add	add edge ssl vpn install pkg	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id name: install package name gateways: comma separated list of gateway. server:port
platform vsphere edge-sslvpn-install-pkg-del	delete all the edge ssl vpn install pkg	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id install_pkg: install_pkg id

platform vsphere edge-sslvpn-install-pkg-del-all	delete all the edge ssl vpn install pkg	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-sslvpn-ip-pool-add	add edge ssl vpn ippool	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id -ip_range: ip range. Default 172.30.0.10-172.30.0.99 -netmask: netmask. Default 255.255.255.0 -gateway: gateway. Default 172.30.0.1 -primary_dns: primary dns. Default 10.103.48.1 -secondary_dns: secondary dns. Default 10.103.48.2 -dns_suffix: dns suffix -wins_server: wins server
platform vsphere edge-sslvpn-ip-pool-del	delete all the edge ssl vpn ippool	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id ippool: ippool id
platform vsphere edge-sslvpn-ip-pool-del-all	delete all the edge ssl vpn ippool	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-sslvpn-private-network-add	add edge ssl vpn private network	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id network: network cidr -optimize: send tunnel optimize
platform vsphere edge-sslvpn-private-network-del	delete all the edge ssl vpn private network	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id network: network id
platform vsphere edge-sslvpn-private-network-del-all	delete all the edge ssl vpn private network	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-sslvpn-server-add	add edge ssl vpn server config	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id ip: server ip address port: server port
platform vsphere edge-sslvpn-session-delete	delete vsphere edge sslvpn session	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id session: edge id
platform vsphere edge-sslvpn-session-get	get vsphere edge sslvpn sessions	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-sslvpn-user-add	add edge ssl vpn user	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id user_id: user id password: user password first_name: first name last_name: last name desc: user description -disable: disable user account -password_never_expires: password never expires -change_password_on_next_login: change password on next login
platform vsphere edge-sslvpn-user-del	delete all the edge ssl vpn user	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id user: user id
platform vsphere edge-syslog-add	add edge syslog servers	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id servers: rsyslog server ip address comma separated
platform vsphere edge-syslog-del	delete edge syslog servers	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-syslog-get	get edge syslog config	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id
platform vsphere edge-vnic-add	add edge vnic	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id index: vnic index -type: vnic type. Uplink or Internal portgroup: vnic portgroup id

		ip: vnic primary ip
platform vsphere edge-vnic-del	delete edge vnic	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id vnic: vnic index
platform vsphere edge-vnic-get	get edge vnics	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: edge id -vnic: vnic id
platform vsphere edge-vnic-update	update edge vnic	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: edge id vnic: vnic index -secondary_ip_add: add sub-interface -secondary_ip_del: remove sub-interface
platform vsphere folder-add	add vsphere folder	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name name: folder name desc: folder description -datacenter: parent datacenter morid -folder: parent folder morid
platform vsphere folder-del	delete vsphere folder	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: folder id
platform vsphere folder-get	get folders	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: folder id
platform vsphere folder-update	update vsphere folder	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: folder id -name: folder name -desc: folder description -datacenter: parent datacenter morid -folder: parent folder morid
platform vsphere host-get	get hosts	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: host id
platform vsphere ippool-add	add vsphere ippool	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name name: ippool name startip: start ip stopip: stop ip gw: gateway dns1: dns1 dns2: dns2 -prefix: prefix -dnssuffix: dns zone
platform vsphere ippool-del	delete vsphere ippool	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: ippool id
platform vsphere ippool-get	get vsphere ippools	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: ippool id -range: ippool range
platform vsphere ippool-ip-release	release ippool ip	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: ippool id ip: ippool ip to use
platform vsphere ippool-ip-usage	get all allocated ippool ips	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: ippool id
platform vsphere ippool-ip-use	assign ippool ip	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: ippool id -ip: ippool ip to use
platform vsphere ippool-update	update vsphere ippool	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: ippool id -name: ippool name -startip: start ip -stopip: stop ip -gw: gateway -dns1: dns1 -dns2: dns2 -prefix: prefix

		-dnssuffix: dns zone
platform vsphere ipset-add	add vsphere ipset	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name name: ipset name desc: ipset description cidr: list of ip. Ex. 10.112.201.8-10.112.201.14 or cidr
platform vsphere ipset-del	delete vsphere ipset	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: ipset id
platform vsphere ipset-get	get ipsets	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: ipset id -range: ipset range
platform vsphere ipset-update	update vsphere ipset	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: ipset id -name: ipset name
platform vsphere lg-del	delete logical switch	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: logical switch id
platform vsphere lg-get	get logical switch	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: logical switch id -dvpv: dvpv id
platform vsphere nsx-controller-get	get vsphere nsx manager controllers	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name
platform vsphere nsx-manager-event-get	get vsphere nsx manager events	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name
platform vsphere nsx-manager-info	get vsphere nsx manager info	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name
platform vsphere nsx-manager-reboot	reboot vsphere nsx manager	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name
platform vsphere ping	ping vsphere	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name
platform vsphere respool-del	delete resource pool	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: resource pool id
platform vsphere respool-get	get resource pools	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: resource pool id
platform vsphere server-add	add vsphere server [todo:]	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name name: server name startip: start ip stopip: stop ip gw: gateway dns1: dns1 dns2: dns2 -prefix: prefix -dnssuffix: dns zone
platform vsphere server-console	get vsphere server console	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id
platform vsphere server-del	delete vsphere server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id
platform vsphere server-device-get	get vsphere server devices	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id
platform vsphere server-disable-firewall	disable vsphere server firewall	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id pwd: server admin password
platform vsphere server-disk-add	add disk to vsphere server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name server_id: server id size: disk size datastore_id: datastore id
platform vsphere server-disk-del	delete disk from vsphere server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name

		server_id: server id disk_object_id: disk object id
platform vsphere server-disk-extend	extend disk of vsphere server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id disk_object_id: disk object id size: disk size in Gb
platform vsphere server-disk-get	get disk of vsphere server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id
platform vsphere server-get	get servers	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: server id -name: server name -names: filter by name like -template: true list only template -ipaddress: server ipaddress -dnsname: server dnsname -cluster: cluster id
platform vsphere server-guest-info	get vsphere server guest info	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id
platform vsphere server-guest-run-cmd	run vsphere server command using guest tool	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id cmd: command user: user pwd: password -params: command params. Use + as space
platform vsphere server-network-destroy-config	setup vsphere server network	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id user: user pwd: password ipaddr: ip address
platform vsphere server-network-setup	setup vsphere server network	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id user: user pwd: password ipaddr: ip address -prefix: ip address -macaddr: mac address gw: network gateway hostname: hostname dns: comma separated list of dns dns_search: dns search
platform vsphere server-sg-add	add security to server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id sgid: security group id
platform vsphere server-sg-del	remove security from server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id sgid: security group id
platform vsphere server-sg-get	get vsphere server security groups	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id
platform vsphere server-snapshot-add	create vsphere server snapshot	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id name: snapshot name
platform vsphere server-snapshot-del	delete vsphere server snapshot	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id snapshot: snapshot id
platform vsphere server-snapshot-get	get vsphere server snapshot	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id -snapshot: snapshot id
platform vsphere server-snapshot-revert	revert vsphere server to snapshot	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id snapshot: snapshot id
platform vsphere server-	change vsphere server password	-O, --orchestrator: vsphere platform reference label

ssh-change-pwd		-P, --project: vsphere current project name id: server id user: user pwd: password newpwd: new password
platform vsphere server-ssh-copy-id	copy ssh key on server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id user: user pwd: password pubkey: ssh public key to set. Specify file name where key is stored
platform vsphere server-start	start vsphere server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id
platform vsphere server-stop	stop vsphere server	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: server id
platform vsphere sg-del	delete vsphere securitygroup	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: securitygroup id -force: if true force delete
platform vsphere sg-get	get securitygroups	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: securitygroup id
platform vsphere sg-member-add	add vsphere securitygroup member	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: securitygroup id member: member to add
platform vsphere sg-member-del	delete vsphere securitygroup member	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name id: securitygroup id member: member to remove
platform vsphere transport-zone-get	get nsx transport zones	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: transport zone id
platform vsphere vapp-get	get vapps	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name -id: vapp id
platform vsphere version	get vsphere version	-O, --orchestrator: vsphere platform reference label -P, --project: vsphere current project name

platform zabbix (zabbix platform)

platform zabbix action-add	add action	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] name: action name usrgrp_id: usrgrp id hostgroup_id: hostgroup id
platform zabbix action-del	delete action	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: action id
platform zabbix action-get	list actions	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix current project name -id: action id -eventsources: eventsources id - 0 = trigger, 2 = auto registration
platform zabbix action-update-trigger	update action trigger	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] action_id: action id hostgroup_id: hostgroup id severity: severity (number)
platform zabbix action-	update action trigger	-O, --orchestrator: zabbix platform reference label

update-trigger-severity		-P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] action_id: action id severity: severity (number)
platform zabbix alert-get	list alerts	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] -id: alert id -field: sort field
platform zabbix host-add	add host	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix current project name file: data file
platform zabbix host-del	delete host	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: host id
platform zabbix host-disable	disable host	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: host id
platform zabbix host-enable	enable host	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: host id
platform zabbix host-get	list hosts	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] -id: host id -field: sort field -name: host name
platform zabbix host-get-groups	list groups the host belongs to	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: host id
platform zabbix host-get-interfaces	list interfaces used by the host	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: host id
platform zabbix host-get-templates	list templates linked to the host	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: host id
platform zabbix host-item-add	add host item	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix current project name id: host id name: key name desc: item description/comment agent_type: zabbix type. Can be: 0 - Zabbix agent, 1 - SNMPv1 agent, 2 - Zabbix trapper, 3 - simple check, 4 - SNMPv2 agent, 5 - Zabbix internal, 6 - SNMPv3 agent, 7 - Zabbix agent (active), 8 - Zabbix aggregate, 9 - web item, 10 - external check, 11 - database monitor, 12 - IPMI agent, 13 - SSH agent, 14 - TELNET agent, 15 - calculated, 16 - JMX agent.

value_type: zabbix value_type. Can be: 0 - numeric float, 1 - character, 2 - log, 3 - numeric unsigned, 4 - text.
interfaceid: zabbix host interfaceid
key: item key
delay: check interval in seconds
history: number of days to keep item history data
trends: number of days to keep item trends data

platform zabbix host-item-get	list host items	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix current project name -id: host id -name: host name -state: host state
platform zabbix host-trigger-get	list host triggers	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix current project name id: host id
platform zabbix hostgroup-add	add group	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] name: group name
platform zabbix hostgroup-del	delete group	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: group id
platform zabbix hostgroup-get	list groups	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] -id: group id -field: sort field
platform zabbix hostgroup-get-hosts	list hosts that belong to a group	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: group id
platform zabbix hostgroup-get-templates	list templates that belong to a group	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: group id
platform zabbix hostgroup-update	update group	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: group id name: group name
platform zabbix interface-del	delete interface	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: group id
platform zabbix interface-get	list interfaces	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] -id: group id
platform zabbix interface-get-hosts	list hosts that use the interface	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC]

		id: group id
platform zabbix it-service-get	list it services	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] -id: alert id -sla: if true print calculated sla
platform zabbix ping	ping zabbix	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix current project name
platform zabbix problem-get	list problems	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix current project name -id: action id
platform zabbix proxy-add	add proxy	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix current project name name: proxy hostname
platform zabbix proxy-del	delete proxy	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: proxy id
platform zabbix proxy-get	list proxys	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] -id: proxy id -field: sort field
platform zabbix template-add	add template	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix current project name file: data file
platform zabbix template-del	delete template	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: template id
platform zabbix template-get	list templates	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] -id: template id -field: sort field
platform zabbix template-get-groups	list groups the template belongs to	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: group id
platform zabbix template-get-hosts	list hosts linked to the template	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: group id
platform zabbix trigger-add	add trigger	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix current project name desc: trigger description comment: trigger comment expression: trigger expression priority: priority type. Can be: 0 (Default) not classified, 1 information, 2 warning, 3 average, 4 high, 5 disaster
platform zabbix trigger-del	delete trigger	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC]

		id: trigger id
platform zabbix trigger-get	list triggers	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] -id: trigger id -field: sort field -host: host id filter
platform zabbix user-add	add user	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] username: user name passwd: password usrgrp: user group id email: user email
platform zabbix user-del	delete user	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: user id
platform zabbix user-get	list users	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix current project name -id: user id
platform zabbix user-update	update user	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] user_id: user id email: users email - separated by comma severity: severity - 48 default (32 Disaster + 16 High)
platform zabbix usergroup-add	add usergroup	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] usergroupname: usergroup name hostgroup_id: hostgroup id
platform zabbix usergroup-del	delete user group	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] id: user group id
platform zabbix usergroup-get	list user groups	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix host group name or id. e.g. Csi.Datacenter.Test or 1234.. -size: list page size [default=20] -page: list page [default=0] -order: list sort order [default=DESC] -id: user group id -field: sort field
platform zabbix version	get zabbix version	-O, --orchestrator: zabbix platform reference label -P, --project: zabbix current project name

res (resource management)

res containers (resource container management)

res containers add	add resource container	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] file: container config as file
res containers delete	delete resource container	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: container uuid
res containers discover	discover container	id: entity uuid resclass: entity resclass
res containers discover-types	discover container resources	id: entity uuid
res containers discovers	discover container	id: entity uuid
res containers get	list resource containers	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: container uuid -name: container name -container_type: container type -objid: container authorization id -state: container state -attributes: container attributes -tags: entity tags -container_type_name: container type name
res containers ping	ping resource container	id: entity uuid
res containers pings	ping all resource containers	
res containers synchronize	synchronize container resources	id: container id resclass: entity resclass -new: add new physical entities -died: delete not alive physical entities -changed: update physical entities -ext_id: physical entity id
res containers synchronizes	synchronize container resources	id: entity uuid
res containers types	list resource container types	
res containers update	update resource container	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: container uuid file: container config as file

res entities (entities management)

res entities add	add resource entity	name: resource entity name -desc: resource entity description container: resource container uuid resclass: resource entity class -ext_id: resource entity physical id -parent: resource entity parent uuid -attribute: resource entity attributes -tags: resource entity tags
res entities cache-del	delete resource entity cache	id: resource entity id
res entities cache-get	get resource entity cache	id: resource entity id
res entities check	check resource entity	id: resource entity id
res entities config-get	get resource entity config	id: resource entity id
res entities config-set	update resource entity config	id: resource entity id key: config key like config.key -value: config value
res entities delete	delete resource entities	ids: comma separated resource entity ids -force: if true force the delete -deep: if false delete only resource record and permissions
res entities disable-quotas	disable resource quotas and metrics discover	id: resource entity id
res entities enable-quotas	enable resource quotas and metrics discover	id: resource entity id
res entities errors	get the last resource error from a job	entity: resource entity is or name

res entities get	list resource entities	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: entity id -name: entity name -desc: entity description -container: container uuid or name -type: entity type -objid: entity authorization id -ext_id: entity physical id -parent: entity parent -state: entity state -attributes: entity attributes -tags: entity tags
res entities linked	get linked resource entities	id: resource entity id
res entities metrics	get resource entity metrics	id: resource entity id
res entities patch	patch resource entities	ids: comma separated resource entity ids
res entities state	reset resource state	id: resource entity id -state: resource state
res entities tag-add	add tag to resource	id: resource entity id tag: tag name
res entities tag-del	remove tag from resource	id: resource entity id tag: tag name
res entities tag-get	get tags of resource	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: resource id
res entities tree	get resource entity tree	entity: resource entity is or name -parent: if True show tree by parent - child -link: if True show tree by link relation
res entities types	list resource entity types	-type: entity type -subsystem: entity type subsystem
res entities update	update resource entity	id: resource entity id -name: resource entity name -desc: resource entity description -active: resource entity active -force: if True force resource metadata update and bypass type specific update -ext_id: resource physical id -attribute: resource entity attributes

res links (links management)

res links add	add resource link	name: resource link name type: resource link type start_resource: start resource uuid end_resource: end resource uuid -attributes: resource link attributes
res links delete	delete resource links	ids: comma separated resource link uuids -force: if true force the delete
res links get	list resource links	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: link uuid -name: link name -resource: start or end resource uuid -type: link type -objid: link authorization id -tags: link tags
res links patch	patch resource links	ids: comma separated resource link uuids
res links update	update resource link	id: resource link uuid -name: resource link name -type: resource link type -start_resource: start resource uuid -end_resource: end resource uuid -attributes: resource link attributes

res tags (tags management)

res tags add	add resource tag	value: resource tag value
res tags delete	delete resource tags	ids: comma separated resource tag uuids -force: if true force the delete
res tags get	list resource tags	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: tag uuid -name: tag name -resource: resource -container: container uuid or name -type: tag type -objid: tag authorization id -ext_id: tag physical id -parent: tag parent -state: tag state -attributes: tag attributes -tags: tag tags
res tags patch	patch resource tags	ids: comma separated resource tag uuids
res tags update	update resource tag	id: resource tag uuid -value: resource tag value

res-awx (awx orchestrator)

res-awx job-template-get	get job templates	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: job template id
res-awx project-get	get projects	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: project id

res-dns (dns orchestrator)

res-dns record-cname-add	create new record CNAME (alias -> hostname.zone)	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] name: alias to set hostname: host name zone: zone name -ttl: time to live
res-dns record-cname-delete	delete an existing record CNAME	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: record id
res-dns record-cname-get	get dns record cnames	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: project id -name: dns name -host_name: host name -parent: zone name -show_expired: if True show record DELETED
res-dns recorda-add	create new record A (ip address -> hostname.zone)	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] ipaddress: ip address hostname: host name zone: zone name -ttl: time to live
res-dns recorda-delete	delete an existing record A (ip address -> hostname.zone)	-size: list page size [default=20] -page: list page [default=0]

		-field: list sort field [default=id] -order: list sort order [default=DESC] id: record id
res-dns recorda-get	get dns recordas	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: project id -name: dns name -ip_addr: ip address -parent: zone name -show_expired: if True show record DELETED
res-dns zone-get	get zones	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: project id
res-dns zone-query	fetch a zone record	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: zone id record: record name
res-dns zone-records-import	import record in a zone reading from a file	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: zone id filename: file name

res-elk (elk orchestrator)

res-elk role-add	add roles	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: container name: role name indice: indice space_id: space id
res-elk role-delete	delete roles	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: resource role id
res-elk role-get	get roles	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: role id
res-elk role-mapping-add	add role_mappings	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: container name: role_mapping name role_name: role name users_email: users email realm_name: realm name
res-elk role-mapping-delete	delete role_mappings	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: resource role_mapping id
res-elk role-mapping-get	get role_mappings	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: role_mapping id
res-elk space-add	add spaces	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: container id: space id

		name: space name -description: space description -color: space color -initials: space initials
res-elk space-delete	delete spaces	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: resource space id
res-elk space-get	get spaces	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: space id

res-grafana (grafana orchestrator)

res-grafana alert-notification-add	add alert_notifications	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: container name: alert_notification name email: alert_notification email -desc: alert_notification desc
res-grafana alert-notification-delete	delete alert_notifications	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: resource alert_notification id
res-grafana alert-notification-get	get alert_notifications	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: alert_notification id
res-grafana folder-add	add folders	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: container name: folder name -desc: folder desc
res-grafana folder-delete	delete folders	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: resource folder id
res-grafana folder-get	get folders	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: folder id
res-grafana team-add	add teams	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: container name: team name -desc: team desc
res-grafana team-delete	delete teams	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: resource team id
res-grafana team-get	get teams	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: team id

res-openstack (openstack orchestrator)

res-openstack domain-get	get domains	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: domain id
res-openstack flavor-get	get flavors	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: flavor id
res-openstack image-get	get images	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: image id
res-openstack network-get	get networks	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: network id
res-openstack port-get	get ports	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: port id
res-openstack project-default-quota-get	get project default quotas	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: project id
res-openstack project-get	get projects	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: project id
res-openstack project-member-get	get project members	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: project id
res-openstack project-member-set	set project member TODO	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: project id type: quota type quota: quota name value: quota value
res-openstack project-quota-get	get project quotas	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: project id
res-openstack project-quota-set	set project quotas	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: project id type: quota type quota: quota name value: quota value
res-openstack router-get	get routers	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: router id
res-openstack router-port-del	delete router port	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: router id subnet: subnet id
res-openstack security-group-del-rule	delete security group rule	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC]

		id: security group id rule: security group rule id
res-openstack security-group-get	get security groups	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: security group id
res-openstack server-actions	get server actions	id: server id
res-openstack server-console	get server console	id: server id
res-openstack server-del	delete server	id: server id
res-openstack server-get	get servers	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: server id -name: instance name -desc: instance description -parent: instance parent -state: instance state -tags: instance tags -container: container uuid or name
res-openstack server-metadata	get server metadata	id: server id
res-openstack server-patch	patch server	id: server id
res-openstack server-resize	get server security groups	id: server id flavor: flavor id
res-openstack server-runtime	get server console	id: server id
res-openstack server-sg-add	add openstack server security group	id: server id sg: security group id
res-openstack server-sg-del	delete openstack server security group	id: server id sg: security group id
res-openstack server-snapshot-add	add openstack server snapshot	id: server id name: snapshot name
res-openstack server-snapshot-del	delete openstack server snapshot	id: server id snapshot: snapshot id
res-openstack server-snapshot-get	get openstack server snapshots	id: server id
res-openstack server-snapshot-revert	revert openstack server to snapshot	id: server id snapshot: snapshot id
res-openstack server-start	get server security groups	id: server id
res-openstack server-stats	get server stats	id: server id
res-openstack server-stop	stop server	id: server id
res-openstack server-volume-add	add volume to server	id: server id volume: volume id
res-openstack server-volume-del	get server security groups	id: server id volume: volume id
res-openstack share-add	add share	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: container id name: share name -desc: share description project: share project id -tags: comma separated list of tags share_proto: share protocol. A valid value is NFS, CIFS, GlusterFS, HDFS, or CephFS size: the share size, in GBs share_type: The share type id. -snapshot_id: The id of the share's base snapshot. -share_group_id: The id of the share group. -network: id of the network to use -subnet: id of the subnet to use -metadata: One or more metadata key and value pairs as a dictionary of strings. -availability_zone: The availability zone.
res-openstack share-del	delete share	-size: list page size [default=20] -page: list page [default=0]

		-field: list sort field [default=id] -order: list sort order [default=DESC] id: share id
res-openstack share-get	get shares	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: share id
res-openstack share-grant-add	add share grant	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: share id access_level: rw, ro access_type: access type like ip or user access_to: access to like 10.102.185.0/24 or admin/user
res-openstack share-grant-del	delete share grant	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: share id access_id: access grant id
res-openstack share-network-get	get share networks	orchestrator: orchestrator id
res-openstack share-type-get	get share types	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] orchestrator: orchestrator id
res-openstack stack-get	get stacks	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: stack id
res-openstack stack-template-functions	get stack template functions	orchestrator: orchestrator id template: template
res-openstack stack-template-get	get stack template	id: stack id
res-openstack stack-template-validate	validate stack template	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] orchestrator: orchestrator id template_uri: template uri
res-openstack stack-template-versions	get orchestrator heat template versions	orchestrator: orchestrator id
res-openstack subnet-get	get subnets	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: subnet id
res-openstack volume-get	get volumes	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: volume id
res-openstack volume-snapshot-add	add volume snapshot	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: volume id name: snapshot name
res-openstack volume-snapshot-del	revert volume to snapshot	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: volume id snapshot: snapshot id
res-openstack volume-snapshot-get	get volume snapshots	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: volume id
res-openstack volumetype-get	get volumetypes	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id]

-order: list sort order [default=DESC]
-id: volumetype id

res-provider (provider management)

res-provider applied-customization-add	add applied customization	container: container id compute_zone: compute zone id name: name -desc: description customization: customization id instance: instance id -extra_vars: extra vars passed as json file -playbook: container id -verbosity: container id
res-provider applied-customization-del	delete applied customization. It removes customization entities from CMP and AWX platforms but do not uninstall software from hosts where customization was applied	id: applied customization id -force: if true force the delete
res-provider applied-customization-get	get applied customizations	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: applied customization uuid -uuids: comma separated list of applied customization uuid -instance: instance id -desc: entity description -state: entity state
res-provider bastion-add	add provider bastion host	name: bastion name compute_zone: bastion name -availability_zone: bastion name -pwd: bastion admin password -key_name: bastion admin ssh key -flavor: bastion flavor -volume_flavor: bastion volume flavor -image: bastion image -acl: comma separated list of network acl
res-provider bastion-del	delete bastion	id: bastion id -force: if true force the delete
res-provider bastion-flavor-set	set bastion flavor	id: bastion id flavor: flavor id
res-provider bastion-get	get provider bastion host(s)	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: bastion id -name: bastion name -desc: bastion description -compute_zone: bastion zone
res-provider bastion-log-enable	install shipper on bastion to forward and centralize log data	id: bastion id
res-provider bastion-monit-enable	install shipper on bastion to enable resource monitoring	id: bastion id -hostgroup: account hostgroup written as Org.Div.Acc
res-provider bastion-patch	patch bastion	id: bastion id
res-provider bastion-sg-add	add bastion security group	id: bastion id security_group: security group id
res-provider bastion-sg-del	remove bastion security group	id: bastion id security_group: security group id
res-provider bastion-start	start bastion	id: bastion id
res-provider bastion-stop	stop bastion	id: bastion id
res-provider bastion-zabbix-proxy-install	install bastion zabbix proxy	id: bastion id
res-provider bastion-zabbix-proxy-register	register bastion zabbix proxy	id: bastion id
res-provider compute-zone-add	add compute zone	file: data file
res-provider compute-zone-availability-zone-add	add compute zone availability zone	id: compute zone id file: data file
res-provider compute-zone-availability-zone-del	delete compute zone availability zone	id: compute zone id zone: site name

res-provider compute-zone-availability-zone-disable	disable compute zone availability zone	id: availability zone id
res-provider compute-zone-availability-zone-enable	enable compute zone availability zone	id: availability zone id
res-provider compute-zone-backup-job-add	add compute zone backup job	id: compute zone id name: job name site: availability zone name instances: comma separated list of instance id -hypervisor: hypervisor like openstack or vsphere [openstack] -hypervisor_tag: hypervisor tag [default] -resource_type: type of resource managed by job. Can be: ComputeInstance [ComputeInstance] -fullbackup_interval: interval between full backup [2] -restore_points: number of restore points to retain [4] -start_date: start date like dd/mm/yyyy [now] -end_date: end date like dd/mm/yyyy [empty] -start_time: start time like 0:00 AM [00:00 AM] -interval: job interval like 24hrs [24hrs] -timezone: job timezone [Europe/Rome] -job_type: job type. Can be: Parallel or Serial [Parallel]
res-provider compute-zone-backup-job-del	delete compute zone backup job	id: compute zone id job: job id
res-provider compute-zone-backup-job-get	get compute zone configured backup jobs	id: compute zone id -hypervisor: hypervisor name: vsphere, openstack, all -job: backup job id
res-provider compute-zone-backup-job-update	update compute zone backup job	id: compute zone id job: job id -name: job name -instances: comma separated list of : -fullbackup_interval: interval between full backup -restore_points: number of restore points to retain -start_date: start date like dd/mm/yyyy -end_date: end date like dd/mm/yyyy -start_time: start time like 0:00 AM -interval: job interval like 24hrs -timezone: job timezone -job_type: job type. Can be: Parallel or Serial -enabled: if true enable job
res-provider compute-zone-backup-restore-point-add	add compute zone backup job restore point	id: compute zone id job: backup job id name: restore point name -desc: restore point description -full: if true create a full restore point, otherwise make an incremental
res-provider compute-zone-backup-restore-point-del	delete compute zone backup job restore point	id: compute zone id job: backup job id restore_point: restore point id
res-provider compute-zone-backup-restore-point-get	get compute zone backup job restore points	id: compute zone id job: backup job id -restore_point: backup restore point id
res-provider compute-zone-child-get	get provider childs	id: compute zone id
res-provider compute-zone-default-quota-get	get compute zone quotas classes	id: compute zone id
res-provider compute-zone-del	delete compute zone	id: compute zone id -force: if true force the delete
res-provider compute-zone-get	get provider computes zone	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: compute zone id -name: compute zone name -desc: compute zone description
res-provider compute-zone-manage	enable provider computes zone management by ssh module	id: compute zone id
res-provider compute-zone-metric-cache-delete	delete compute zone metrics cache	id: compute zone id
res-provider compute-zone-metric-get	get compute zone metrics	id: compute zone id
res-provider compute-zone-metric-preload	pre load compute zones metrics	
res-provider compute-zone-quota-check	check provider computes zone quota	id: compute zone id quotas: compute zone quota ex. database.instances value: compute zone quota value ex. 3
res-provider compute-zone-quota-get	get compute zone quotas	id: compute zone id
res-provider compute-zone-quota-set	set provider computes zone quota	id: compute zone id quota: compute zone quota ex. database.instances

value: compute zone quota value ex. 3

res-provider compute-zone-sshkeys	list compute zone ssh keys available	id: compute zone id
res-provider compute-zone-unmanage	disable provider computes zone management by ssh module	id: compute zone id
res-provider compute-zone-update	update compute zone	id: compute zone id file: data file
res-provider customization-add	add customization	file: data file
res-provider customization-del	delete customization	id: customization id -force: if true force the delete
res-provider customization-get	get customization(s)	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: customization id -name: entity name -desc: entity description -state: entity state
res-provider flavor-add	add flavor	file: data file
res-provider flavor-del	delete flavor	id: flavor id -force: if true force the delete
res-provider flavor-get	get provider flavor	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: flavor id -name: entity name -desc: entity description -parent: entity parent -state: entity state -attributes: entity attributes -tags: entity tags
res-provider flavor-update	update flavor	id: flavor id file: data file
res-provider gateway-credentials-get	get provider gateway credentials	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: gateway id
res-provider gateway-default-route-set	set provider gateway default route	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: gateway id -role: gateway role. Can be default [default], primary or secondary
res-provider gateway-firewall-rule-add	add provider gateway firewall rule	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: gateway id -role: gateway role. Can be default [default], primary or secondary -action: firewall rule action. Can be accept [default], deny -enabled: firewall rule status -logged: firewall rule logged -direction: firewall rule direction. Can be: in, out, inout [default] -source: rule source. list of comma separated item like: ip:, grp:, vnic: -dest: rule destination. list of comma separated item like: ip:, grp:, vnic: -appl: rule application. list of comma separated item like: app:, ser:proto+port+source_port
res-provider gateway-firewall-rule-del	delete provider gateway firewall rule	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: gateway id -role: gateway role. Can be default [default], primary or secondary -action: firewall rule action. Can be accept [default], deny -enabled: firewall rule status -logged: firewall rule logged -direction: firewall rule direction. Can be: in, out, inout [default] -source: rule source. list of comma separated item like: ip:, grp:, vnic: -dest: rule destination. list of comma separated item like: ip:, grp:, vnic: -appl: rule application. list of comma separated item like: app:, ser:proto+port+source_port
res-provider gateway-get	get provider gateway	-size: list page size [default=20]

		-page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: gateway id -name: entity name -desc: entity description -parent: entity parent -state: entity state -attributes: entity attributes -tags: entity tags
res-provider gateway-nat-rule-add	add provider gateway nat rule	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: gateway id -role: gateway role. Can be default [default], primary or secondary action: nat rule action. Can be snat e dnat -enabled: nat rule status -logged: nat rule logged -original_address: original address -translated_address: translated address -original_port: original port -translated_port: translated port -protocol: nat protocol. Ex. tcp -vnic: nat vnic index. Ex. 0
res-provider gateway-nat-rule-del	delete provider gateway nat rule	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: gateway id -role: gateway role. Can be default [default], primary or secondary action: nat rule action. Can be snat e dnat -original_address: original address -translated_address: translated address -original_port: original port -translated_port: translated port -protocol: nat protocol. Ex. tcp -vnic: nat vnic. eEx. vinc0
res-provider image-add	add image	file: data file
res-provider image-del	delete image	id: image id -force: if true force the delete
res-provider image-get	get provider image	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: image id -name: entity name -desc: entity description -parent: entity parent -state: entity state -attributes: entity attributes -tags: entity tags
res-provider image-update	update image	id: image id file: data file
res-provider instance-add	add instance	file: data file
res-provider instance-backup-get	get compute instance backup info	id: instance id
res-provider instance-backup-restore	restore compute instance from backup restore point	id: instance id restore_point: restore point id name: restored instance name
res-provider instance-backup-restore-get	get compute instance backup restores	id: instance id restore_point: restore point id
res-provider instance-command-run	run command on provider instance	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: instance id command: file name where is saved the command to run
res-provider instance-config	check provider computes instance is managed by ssh module, has backup active, has monitor active	-id: instance id
res-provider instance-console-get	get compute instance console	id: instance id
res-provider instance-del	delete instance	id: instance id -force: if true force the delete
res-provider instance-dns-add	add compute instance dns resolution	id: instance id

res-provider instance-dns-del	delete compute instance dns resolution	id: instance id
res-provider instance-dns-get	get compute instance dns resolution	id: instance id
res-provider instance-flavor-set	set instance flavor	id: instance id flavor: flavor id
res-provider instance-get	get provider instance	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: instance id -name: instance name -desc: instance description -parent: instance parent -state: instance state -hypervisor: instance hypervisor -tags: instance tags -image: instance image -flavor: instance flavor -vpc: instance vpc -security_group: instance security group -hostinfo: print list with hypervisor info -availability_zone: instance availability zone
res-provider instance-import	import instance	name: instance name physical_id: physical resource id pwd: instance password image: image id key_name: ssh key name -resolve: if true add hostname in dns -manage: if true add node in ssh
res-provider instance-log-enable	install shipper on instance to forward and centralize log data	id: instance id
res-provider instance-manage	enable provider computes instance management by ssh module	id: instance id key: instance ssh key
res-provider instance-migrate	migrate instance	id: instance id
res-provider instance-monit-disable	remove shipper on instance to disable resource monitoring	id: instance id -hostgroup: account hostgroup written as Org.Div.Acc
res-provider instance-monit-enable	install shipper on instance to enable resource monitoring	id: instance id -hostgroup: account hostgroup written as Org.Div.Acc
res-provider instance-patch	patch instance	id: instance id
res-provider instance-quota-get	get compute instance quotas	id: compute instance id
res-provider instance-reboot	reboot instance	id: instance id -schedule: schedule definition. Pass as json file using crontab or timedelta syntax. Ex. {"type": "timedelta", "minutes": 1}
res-provider instance-sg-add	add instance security group	id: instance id security_group: security group id
res-provider instance-sg-del	remove instance security group	id: instance id security_group: security group id
res-provider instance-snapshot-add	add instance snapshot	id: instance id snapshot: snapshot name
res-provider instance-snapshot-del	remove instance snapshot	id: instance id snapshot: snapshot id
res-provider instance-snapshot-get	get instance snapshot	id: instance id
res-provider instance-snapshot-revert	revert instance to snapshot	id: instance id snapshot: snapshot id
res-provider instance-start	start instance	id: instance id -schedule: schedule definition. Pass as json file using crontab or timedelta syntax. Ex. {"type": "timedelta", "minutes": 1}
res-provider instance-stop	stop instance	id: instance id -schedule: schedule definition. Pass as json file using crontab or timedelta syntax. Ex. {"type": "timedelta", "minutes": 1}
res-provider instance-unmanage	disable provider computes instance management by ssh module	id: instance id
res-provider instance-update	update instance	id: instance id file: data file

res-provider instance-user-add	add user to instance	id: instance id name: user name pwd: user password key: ssh key id
res-provider instance-user-del	delete user to instance	id: instance id name: user name
res-provider instance-user-password-set	delete user to instance	id: instance id name: user name pwd: user password
res-provider instance-volume-add	add instance volume	id: instance id volume: volume id
res-provider instance-volume-del	remove instance volume	id: instance id volume: volume id
res-provider instance-volume-extend	extend instance volume	id: instance id volume: volume id size: volume size
res-provider instance-volume-flavor-set	set instance volume flavor	id: instance id -volume: volume id -flavor: flavor id
res-provider load-balancer-get	get provider load balancer(s)	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: load balancer id -name: load balancer name
res-provider oldstack-app-get	get provider old stack app	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: old stack id -name: entity name -desc: entity description -parent: entity parent -state: entity state -tags: entity tags
res-provider oldstack-dns-add	add compute old stack dns resolution	id: old sql stack id
res-provider oldstack-dns-del	delete compute old stack dns resolution	id: old sql stack id
res-provider oldstack-get	get provider old stack	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: old stack id -name: entity name -desc: entity description -parent: entity parent -state: entity state -tags: entity tags
res-provider oldstack-manage	enable provider old stack management by ssh module	id: old stack id key: server stack ssh key
res-provider oldstack-sql-credential-get	get database credentials	id: old sql stack id
res-provider oldstack-sql-credential-set	set database credentials. Only root support for the moment	id: old sql stack id pwd: old sql stack password
res-provider oldstack-sql-engine-get	get provider old stack sql engines	id: old sql stack id
res-provider oldstack-sql-get	get provider old stack sql	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: old stack id -name: entity name -desc: entity description -parent: entity parent -state: entity state -tags: entity tags
res-provider oldstack-unmanage	disable provider old stack management by ssh module	id: old stack id
res-provider region-add	add region	file: data file
res-provider region-del	delete region	id: region id -force: if true force the delete
res-provider region-get	get region(s)	-size: list page size [default=20]

		-page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: region id
res-provider region-update	update region	id: region id file: data file
res-provider rule-add	add rule	name: rule id compute_zone: compute zone id source: rule source. Syntax :. type can be SecurityGroup, Cidr. value can be security group id, cidr like 10.102.167.0/24 dest: rule destination. Syntax :. type can be SecurityGroup, Cidr. value can be security group id, cidr like 10.102.167.0/24 -proto: ca be 6 [tcp], 17 [udp], 1 [icmp], * [all]. If use icmp specify also subprotocol. [default=*] -port: can be an integer between 0 and 65535 or a range with start and end in the same interval. Range format is -. Use * for all ports. [default=*] -subproto: icmp subprotocol. ex. 8 for echo request
res-provider rule-del	delete rule	-id: rule id -force: if true force the delete -parent: entity parent
res-provider rule-get	get provider rule	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: rule id -name: entity name -desc: entity description -parent: entity parent -state: entity state -source: rule source -destination: rule destination -security_groups: search rule by security group
res-provider sg-add	add security group	name: security group name vpc: parent vpc id
res-provider sg-check	check provider security group	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC]
res-provider sg-del	delete security group	id: security_group id -force: if true force the delete
res-provider sg-get	get provider security group	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: security_group id -name: entity name -desc: entity description -parent: entity parent -vpc: vpc id -instance: instance id -state: entity state -attributes: entity attributes -tags: entity tags
res-provider sg-zabbix-disable	disable security group ingress from zabbix proxy	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: security group id availability_zone: availability zone name. Es. SiteTorino01
res-provider sg-zabbix-enable	enable security group ingress from zabbix proxy	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: security group id availability_zone: availability zone name. Es. SiteTorino01
res-provider sg-zabbix-is-enabled	check security groups contain ingress rule from zabbix proxy	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -name: entity name
res-provider share-add	add share	name: share name container: resource container id compute_zone: compute zone id availability_zone: share availability zone vpc: share vpc size: share size -proto: share proto like nfs, cifs

-subnet: share subnet cidr
-label: custom label to be used when you want to use a labelled share type

res-provider share-del	delete share	id: share id -force: if true force the delete
res-provider share-get	get provider share	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: share id -name: entity name -desc: entity description -parent: entity parent -state: entity state -attributes: entity attributes -tags: entity tags
res-provider share-grant-add	add share grant	id: share id -access_level: RW or RO -access_type: access type like IP or USER or CERT access_to: access to like 10.102.185.0/24 or admin/user or TLS identity
res-provider share-grant-del	delete file share grant	id: share id access_id: access grant id
res-provider share-grant-get	list share grants	id: share id
res-provider share-size-extend	extend share size	id: share id size: new size to assign
res-provider share-size-shrink	shrink share size	id: share id size: new size to assign
res-provider share-update	update share	id: share id file: data file
res-provider site-add	add site	file: data file
res-provider site-delete	delete site	id: site id -force: if true force the delete
res-provider site-get	get site(s)	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: site id
res-provider site-network-add	add site network	file: data file
res-provider site-network-del	delete site network	id: site network id -force: if true force the delete
res-provider site-network-get	get site network(s)	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: site network id -name: entity name -desc: entity description -parent: entity parent -state: entity state -tags: entity tags
res-provider site-network-subnet-add	add site network subnet	id: site network id cidr: subnet cidr pools: allocation pools. Syntax: openstack::,vmware:: -gw: default gateway -enable_dhcp: if true enable dhcp -allocable: if true subnet is allocable
res-provider site-network-subnet-del	delete site network subnet	id: site network id cidr: subnet cidr
res-provider site-network-update	update site network	id: site network id file: data file
res-provider site-orchestrator-add	add site orchestrator	id: site id file: data file
res-provider site-orchestrator-del	delete site orchestrator	id: site id orchestrator: orchestrator id
res-provider site-orchestrator-get	get site orchestrators	id: site id

res-provider site-update	update site	id: site id file: data file
res-provider stack-action-get	get stack action	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: stack id action: action index
res-provider stack-get	get stack	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: stack id -name: entity name -desc: entity description -parent: entity parent -state: entity state -tags: entity tags
res-provider stack-sql-credential-get	get database credentials	id: sql stack id
res-provider stack-sql-credential-set	set database credentials. Only root support for the moment	id: sql stack id user: user name pwd: user password. If pwd start with @ pwd is the name of a file that contains password
res-provider stack-sql-db-get	get stack sql dbs	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: stack id
res-provider stack-sql-engine-get	get stack sql engines	
res-provider stack-sql-get	get stack sql	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: stack id -name: entity name -desc: entity description -parent: entity parent -state: entity state -tags: entity tags
res-provider stack-sql-haproxy-deregister	deregister db server from haproxy	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: stack id
res-provider stack-sql-haproxy-register	register db server on haproxy	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: stack id -ports: range of haproxy ports that clients can connect to [default=10100:10999]
res-provider stack-sql-import	import stack sql	name: sql stack name physical_id: compute instance id engine: sql stack engine version: sql stack engine version pwd: sql stack admin password -charset: sql stack charset -timezone: sql stack charset
res-provider stack-sql-mailx-enable	enable mailx	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: stack id -relayhost: remote relay mail server, default is xxx.csi.it
res-provider stack-sql-user-get	get stack sql dbs	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: stack id
res-provider volume-add	add volume	file: data file. Ex. volume: container: ResourceProvider01 name: provettina-volume01 desc: provettina-volume01 compute_zone: ComputeService-44ff4cf3 availability_zone: SiteVercelli01 size: 5 type: openstack flavor: vol.default

res-provider volume-del	delete volume	id: volume id -force: if true force the delete
res-provider volume-flavor-set	set volume flavor	id: volume id flavor: volume flavor id
res-provider volume-get	get provider volume	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: volume id -name: entity name -desc: entity description -parent: entity parent -state: entity state -attributes: entity attributes -tags: entity tags
res-provider volume-import	import volume	name: instance name physical_id: physical resource id
res-provider volume-update	update volume	id: volume id file: data file
res-provider volumeflavor-add	add volumeflavor	file: data file
res-provider volumeflavor-del	delete volumeflavor	id: volumeflavor id -force: if true force the delete
res-provider volumeflavor-get	get provider volumeflavor	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: volumeflavor id -name: entity name -desc: entity description -parent: entity parent -state: entity state -attributes: entity attributes -tags: entity tags
res-provider volumeflavor-update	update volumeflavor	id: volumeflavor id file: data file
res-provider vpc-add	add vpc	name: vpc name container: vpc container id compute_zone: vpc compute zone id cidr: vpc cidr -type: vpc type. Can shared or private
res-provider vpc-del	delete vpc	id: vpc id -force: if true force the delete
res-provider vpc-get	get provider vpc	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: vpc id -name: entity name -desc: entity description -parent: entity parent -state: entity state -attributes: entity attributes -tags: entity tags
res-provider vpc-interpod-next-subnet	get provider vpc	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: vpc id
res-provider vpc-network-add	add vpc network	id: vpc id type: network type. Can be private or site -networks: comma separated list of site network id -cidr: private network cidr -avz: private network availability zone -zone: dns zone -dns: dns list
res-provider vpc-network-del	delete vpc network	id: vpc id type: network type. Can be private or site -networks: comma separated list of site network id -cidr: private network cidr -avz: private network availability zone
res-provider vpc-update	update vpc	id: vpc id file: data file

res-vmware (vmware orchestrator)

res-vmware cluster-get	get clusters	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: cluster id
res-vmware datacenter-get	get datacenters	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: datacenter id
res-vmware datastore-get	get datastores	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: datastore id
res-vmware dvpg-get	get distributed virtual port groups	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: distributed virtual port group id
res-vmware dvs-get	get distributed virtual switches	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: distributed virtual switch id
res-vmware flavor-add	add flavor	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: container id name: flavor name datacenter: datacenter id -core_x_socket: core x socket vcpus: vcpus -guest_id: guest id ram: ram disk: disk -version: version
res-vmware flavor-get	get flavors	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: flavor id
res-vmware folder-get	get folders	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: folder id
res-vmware nsx-edge-get	get nsx edges	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: edge id
res-vmware nsx-get	get nsx managers	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: nsx manager id
res-vmware nsx-security-group-get	get nsx security groups	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: security group id
res-vmware server-console	get server console	id: server id
res-vmware server-get	get servers	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: server id
res-vmware server-guest	get server guest	id: server id
res-vmware server-hw	get server hardware	id: server id

res-vmware server-patch	patch server	id: server id
res-vmware server-resize	resize server	id: server id flavor: flavor id
res-vmware server-runtime	get server console	id: server id
res-vmware server-sg-add	add vmware server security group	id: server id snapshot: snapshot id
res-vmware server-sg-del	delete vmware server security group	id: server id sg: security group id
res-vmware server-snapshot-add	add vmware server snapshot	id: server id snapshot: snapshot name
res-vmware server-snapshot-del	delete vmware server snapshot	id: server id snapshot: snapshot id
res-vmware server-snapshot-get	get vmware server snapshots	id: server id
res-vmware server-snapshot-revert	revert vmware server to snapshot	id: server id snapshot: snapshot id
res-vmware server-start	start vmware server	id: server id
res-vmware server-stats	get server stats	id: server id
res-vmware server-stop	stop server	id: server id
res-vmware server-volume-add	add volume to server	id: server id volume: volume id
res-vmware server-volume-adds	add some volumes to server	id: server id volume_type: volume type id -volume_num: volume number
res-vmware server-volume-del	del volume from server	id: server id volume: volume id -propagate: if true detach and delete volume
res-vmware server-volume-dels	del volumes from server	id: server id
res-vmware server-volume-extend	extend server volume	id: server id volume: volume id size: volume size
res-vmware volume-add	add volume	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: vmware container id name: volume name folder: folder id size: volume size volume_type: volume type
res-vmware volume-get	get volumes	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: volume id
res-vmware volumetype-add	add volumetype	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: container id name: flavor name datacenter: datacenter id -disk_iops: disk_iops. -1 set no limit
res-vmware volumetype-datastore-add	add datastore to volumetype	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: volumetype id datastore: datastore id -tag: datastore tag
res-vmware volumetype-datastore-del	remove datastore from volumetype	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: volumetype id datastore: datastore id
res-vmware volumetype-get	get volumetypes	-size: list page size [default=20] -page: list page [default=0]

-field: list sort field [default=id]
-order: list sort order [default=DESC]
-id: volumetype id

res-zabbix (zabbix orchestrator)

res-zabbix action-add	add actions	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: container name: action name usrgrp_id: usrgrp id hostgroup_id: hostgroup id
res-zabbix action-delete	delete actions	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: resource action id
res-zabbix action-get	get actions	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: action id
res-zabbix host-add	add hosts	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: container name: host name hostgroup_id: hostgroup id ip_addr: ip addr port: port
res-zabbix host-delete	delete hosts	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: resource host id
res-zabbix host-get	get hosts	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: host id
res-zabbix hostgroup-add	add hostgroups	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: container name: hostgroup name
res-zabbix hostgroup-delete	delete hostgroups	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: resource hostgroup id
res-zabbix hostgroup-get	get hostgroups	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: hostgroup id
res-zabbix usergroup-add	add usergroups	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] container: container name: usergroup name hostgroup_id: hostgroup id
res-zabbix usergroup-delete	delete usergroups	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: resource usergroup id
res-zabbix usergroup-get	get usergroups	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id]

-order: list sort order [default=DESC]
-id: usergroup id

ssh (server connection manager)

ssh dbms (dbms management)

ssh dbms ping	ping dbms	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] host: node name or uuid -port: node group name or uuid -type: node group name or uuid -user: node group name or uuid pwd: node group name or uuid -db: node group name or uuid
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ssh keys (ssh key management)

ssh keys add	add ssh key	name: ssh key uuid -type: key type like dsa, rsa, ecda [default=rsa] -bits: key length [default=2048] -desc: key description -attrib: key attribute
ssh keys delete	delete ssh key	id: ssh key uuid
ssh keys export	export key private and public key as string	id: ssh key uuid --tofile: store to file
ssh keys get	get ssh keys	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: ssh key uuid
ssh keys load	load an existing ssh key	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] name: ssh key uuid priv_key: file where is located private key pub_key: file where is located the public key -desc: key description -attrib: key attribute

ssh keys-auth (manage key authorization)

ssh keys-auth group-add	add key role to a group	id: key uuid role: authorization role group: authorization group
ssh keys-auth group-del	remove key role from a group	id: key uuid role: authorization role group: authorization group
ssh keys-auth group-get	get key groups	id: key uuid
ssh keys-auth role-get	get key roles	id: key uuid
ssh keys-auth user-add	add key role to a user	id: key uuid role: authorization role user: authorization user
ssh keys-auth user-del	remove key role from a user	id: key uuid role: authorization role user: authorization user
ssh keys-auth user-get	get key users	id: key uuid

ssh node-groups (node group management)

ssh node-groups add	add node group	name: nodegroup name
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		-desc: nodegroup description -attrib: nodegroup attributes
ssh node-groups delete	delete node group	id: nodegroup uuid
ssh node-groups get	get node groups	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: nodegroup uuid
ssh node-groups node-add	add node to node group	id: nodegroup uuid node: node uuid
ssh node-groups node-del	delete node from node group	id: nodegroup uuid node: node uuid

ssh node-groups-action (manage node group action)

ssh node-groups-action cmd	execute command on group of nodes	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: nodegroup uuid cmd: shell command, Syntax: delimit command with. Write /- when use - char. Example: ls /-l -user: node user name
ssh node-groups-action date	get date	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: nodegroup uuid
ssh node-groups-action get	get node groups actions	-node: node filter -datefrom: date from. Syntax dd-mm-yyyy -dateto: date to. Syntax dd-mm-yyyy
ssh node-groups-action kernelinfo	get version of the kernel	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: node group uuid
ssh node-groups-action ntpd	get ntpd status	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: nodegroup uuid
ssh node-groups-action ping	ping nodes	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: nodegroup uuid
ssh node-groups-action sysinfo	get version of operating system	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: node group uuid
ssh node-groups-action ultra-ping	ultra ping nodes	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: nodegroup uuid
ssh node-groups-action uptime	get uptime	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: nodegroup uuid

ssh node-groups-auth (manage node group authorization)

ssh node-groups-auth group-add	add node group role to a group	id: nodegroup uuid role: authorization role group: authorization group
ssh node-groups-auth group-del	remove node group role from a group	id: nodegroup uuid role: authorization role group: authorization group

ssh node-groups-auth group-get	get node group groups	id: nodegroup uuid
ssh node-groups-auth role-get	get node group roles	id: nodegroup uuid
ssh node-groups-auth user-add	add node group role to a user	id: nodegroup uuid role: authorization role user: authorization user
ssh node-groups-auth user-del	remove node group role from a user	id: nodegroup uuid role: authorization role user: authorization user
ssh node-groups-auth user-get	get node group users	id: nodegroup uuid

ssh node-users (node user management)

ssh node-users add	add new ssh user	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] name: user name -pwd: user password node: node uuid -sshkey: ssh key uuid -desc: user description -attrib: user attributes -propagate: if True create user also in node
ssh node-users delete	delete node user	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: node user uuid -propagate: if True create user also in node
ssh node-users get	get node users	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: node user uuid -username: node user name -node: node uuid
ssh node-users get-password	get node user password	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: user uuid
ssh node-users set-password	set node user password	id: user uuid pwd: user password -propagate: propagate user password set on vm

ssh nodes (server management)

ssh nodes add	add node	name: node group name nodegroup: node group name or uuid type: node type ip_address: node ip address -desc: node description -attrib: node attributes
ssh nodes admin-password-get	get node admin user password	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: node id -admin: node admin name [default=root]
ssh nodes admin-password-set	set node admin user password	id: node id pwd: user password -admin: node admin name [default=root] -propagate: propagate user password set on vm
ssh nodes cmd	execute command(s) on node	id: node group name or uuid cmd: file with shell command script -user: node user name
ssh nodes connect	open ssh connection to node	id: node group name or uuid -user: node user name -pwd: if set request password

ssh nodes delete	delete node	id: node name or uuid
ssh nodes gateway-set	set node ssh gateway. Use to access node with private address	id: node name or uuid node: gateway node id
ssh nodes get	get nodes	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -id: node name or uuid -nodegroup: node group name or uuid -names: node name like -ip_address: node ip address -key: ssh key name or uuid
ssh nodes update	update node	id: node name or uuid -name: node group name -type: node type -ip_address: node ip address -desc: node description -attribute: node attributes
ssh nodes user-password-set	set node user password	id: node id pwd: user password -user: node admin name [default=root] -store: store password in cmp -so: operating system

ssh nodes-action (manage node action)

ssh nodes-action get	get nodes actions	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] id: node name or uuid -date: date to. Syntax YYYY.MM.DD
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ssh nodes-ansible (Manage node ansible inventory)

ssh nodes-ansible inventory-get	get inventory	-node_name: node name pattern -node: node uuid -group: group uuid or name
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ssh nodes-auth (manage node authorization)

ssh nodes-auth group-add	add node role to a group	id: node name or uuid role: authorization role group: authorization group
ssh nodes-auth group-del	remove node role from a group	id: node name or uuid role: authorization role group: authorization group
ssh nodes-auth group-get	get node groups	id: node name or uuid
ssh nodes-auth role-get	get node roles	id: node name or uuid
ssh nodes-auth user-add	add node role to a user	id: node name or uuid role: authorization role user: authorization user
ssh nodes-auth user-del	remove node role from a user	id: node name or uuid role: authorization role user: authorization user
ssh nodes-auth user-get	get node users	id: node name or uuid

ssh nodes-files (Manage connection manager node files)

ssh nodes-files get	copy file from node	id: node uuid -user: connection user [default=root] local_file: full path of local file to copy to node remote_file: ull path of remote file
ssh nodes-files ll	list file in a directory. Return : st_size, st_uid, st_gid, st_mode, st_atime, st_mtime	id: node uuid -user: connection user [default=root] path: full path of remote file or dir to list

ssh nodes-files put	copy file to node	id: node uuid -user: connection user [default=root] local_file: full path of local file to copy to node remote_file: ull path of remote file
ssh nodes-files tailf	tail -f a file o the node	id: node uuid -user: connection user [default=root] file: name of file to tail

ssh ops (custom operations)

ssh ops assign-dbaas-node-to-dbacsi	assign dbaas node to dbacsi group	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -type: vm type. Can be mysql or oracle [default=mysql] -ids: dbaas uuids
ssh ops check-disk-rw	check virtual machine boot disk is writable	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -node: node id -name: node name pattern -file: node list in a file
ssh ops check-volume	check volumes	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC]
ssh ops dbaas-check-dd	check data domain mounted in dbaas	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -node: node id -name: node name pattern -file: node list in a file
ssh ops dbaas-mount-dd	mount data domain mounted in dbaas	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -node: node id -name: node name pattern -file: node list in a file
ssh ops dbaas-show-response	show action on dbaas	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] file: response file name
ssh ops dbaas-umount-dd	umount data domain mounted in dbaas	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] -node: node id -name: node name pattern -file: node list in a file
ssh ops restore-vm	restore vm in cmp from trilio backup	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] opsvm: openstack vm name -server: if true update ext_id from openstack server to resource -volume: if true update ext_id in volume. Syntax volume_name:ext_id
ssh ops restore-volume	restore volume with ext_id and name wrong	-size: list page size [default=20] -page: list page [default=0] -field: list sort field [default=id] -order: list sort order [default=DESC] ext_id: openstack volume ext_id id: resource id