Ansible: Keywords For General Playbook Objects

Common (to play, role, block and task objects)

any_errors_fatal	Force any un-handled task errors on any host to propagate to all hosts and end the play.
become	Boolean that controls if privilege escalation is used or not on Task execution.
become_flags	A string of flag(s) to pass to the privilege escalation program when become is True.
become_method	Which method of privilege escalation to use (such as sudo or su).
become_user	User that you 'become' after using privilege escalation (as permissions allow) Default is root.
ansible_become_pass	Provides the password for the become directives
check_mode	A boolean that controls if a task is executed in 'check' mode
collections	UNDOCUMENTED!!
connection	Allows you to change the connection plugin used for tasks to execute on the target.
debugger	Enable debugging tasks based on state of the task result. See Playbook Debugger
diff	Toggle to make tasks return 'diff' information or not.
environment	A dictionary converted into env vars for the task upon execution. Does not affect Ansible configuration, it just sets the variables for the code responsible for executing the task.
ignore_errors	Boolean option to ignore task failures and continue with play. Does not affect connection errors.
ignore_unreachable	Boolean that allows you to ignore unreachable hosts and continue with play. This does not affect other task errors (see ignore_errors) but is useful for groups of volatile/ephemeral hosts.
module_defaults	Specifies default parameter values for modules.
name	Identifier. Can be used for documentation, in or tasks/handlers.
no_log	Boolean that controls information disclosure.
port	Used to override the default port used in a connection.
remote_user	User used to log into the target via the connection plugin.
run_once	Boolean that will bypass the host loop, forcing the task to attempt to execute on the first host available and afterwards apply any results and facts to all active hosts in the same batch.
tags	Tags applied to the task or included tasks, this allows selecting subsets of tasks from CLI
vars	Dictionary/map of variables

Play object-specific

fact_path	Set the fact path option for the fact gathering plugin controlled by gather_facts.
force_handlers	Will force notified handler execution for hosts even if they failed during the play. Will not trigger if the play itself fails.
gather_facts	A boolean that controls if the play will automatically run the 'setup' task to gather facts for the hosts.
gather_subset	Allows you to pass subset options to the fact gathering plugin controlled by gather_facts.
gather_timeout	Allows you to set the timeout for the fact gathering plugin controlled by gather_facts.
handlers	A section with tasks that are treated as handlers, these won't get executed normally, only when notified after each section of tasks is complete. A handler's listen field is not templatable.
hosts	A list of groups, hosts or host pattern that translates into a list of hosts that are the play's target.
max_fail_percentage	can be used to abort the run after a given percentage of hosts in the current batch has failed.
order	Controls the sorting of hosts as they are used for executing the play. Possible values are inventory (default), sorted, reverse_sorted, reverse_inventory and shuffle.
post_tasks	A list of tasks to execute after the tasks section.
pre_tasks	A list of tasks to execute before roles.
roles	List of roles to be imported into the play
serial	Explicitly define how Ansible batches the execution of the current play on the play's target
strategy	Allows you to choose the connection plugin to use for the play.
tasks	Main list of tasks to execute in the play, they run after roles and before post_tasks.
vars_files	List of files that contain vars to include in the play.
vars_prompt	list of variables to prompt for.

Role object-specific

delegate_facts	Boolean that allows you to apply facts to a delegated host instead of inventory_hostname.
delegate_to	Host to execute task instead of the target (inventory_hostname); use that host's connection vars.
when	Conditional expression, determines if an iteration of a task is run or not.

Block object-specific

always	List of tasks, in a block, that execute no matter if there is an error in the block or not.
block	List of tasks in a block.
delegate_facts	Boolean that allows you to apply facts to a delegated host instead of inventory_hostname.
delegate_to	Host to execute task instead of the target (inventory_hostname); use that host's connection vars.
rescue	List of tasks in a block that run if there is a task error in the main block list.
when	Conditional expression, determines if an iteration of a task is run or not.

Task object-specific

action	The 'action' to execute for a task, it normally translates into a C(module) or action plugin.
args	Another way to add arguments into a task. Takes a dictionary; keys map to options and values.
async	Run a task asynchronously if the C(action) supports this; value is maximum runtime in seconds.
changed_when	Conditional expression that overrides the task's normal 'changed' status.
delay	Number of seconds to delay between retries. This setting is only used in combination with until.
delegate_facts	Boolean that allows you to apply facts to a delegated host instead of inventory_hostname.
delegate_to	Host to execute task instead of the target (inventory_hostname); use that host's connection vars.
failed_when	Conditional expression that overrides the task's normal 'failed' status.
local_action	Same as action but also implies delegate_to: localhost
loop	List for the task to iterate over, saving each list element into the item variable (set via loop_control)
loop_control	Several keys here allow you to modify/set loop behaviour in a task.
notify	List of handlers to notify when the task returns a 'changed=True' status.
poll	Sets the polling interval in seconds for async tasks (default 10s). Value of 0 is 'fire and forget'
register	Name of variable that will contain task status and module return data.
retries	Number of retries before giving up in a until loop. This setting is only used in combination with until.
until	Enables a 'retries loop' that will go on until the condition supplied here is met or we hit the retries limit.
when	Conditional expression, determines if an iteration of a task is run or not.
with_<lookup_plugin>	The same as loop but magically adds the output of any lookup plugin to generate the item list.

Ansible Commands - Overview

ansible <host-pattern> [options]

-i, --inventory, --inventory-file	Specify inventory host path or comma separated host list. –inventory-file is deprecated
-m OR ---module-name <MODULE_NAME>	Module name to execute (default=command)
-b, --become	Run operations with become (does not imply password prompting)
--become-method <BECOME_METHOD>	Privilege escalation method (default=%default), use ansible-doc -t become -l to list valid choices.
--become-user <BECOME_USER>	Run operations as this user (default=root)
-K, --ask-become-pass	Ask for privilege escalation password- depends on configuration of ssh etc. items in ansible.cfg
--list-hosts	Outputs a list of matching hosts; does not execute anything else
--playbook-dir <BASEDIR>	Since this tool does not use playbooks, use this as a substitute playbook dir, relative path for many features including roles/ group_vars/ etc.
-M, --module-path	Prepend colon-separated path(s) to module library (default=~/.ansible/plugins/modules:/usr/share/ansible/plugins/modules)
-u OR --user <REMOTE_USER>	Connect as this user (default=none)
-k, --ask-pass	Ask for connection password
--private-key, --key-file	Use this file to authenticate the connection
-c OR ---connection <CONNECTION>	Connection type to use (default=smart)
-T OR ---timeout <TIMEOUT>	Override the connection timeout in seconds (default=10)
--ssh-common-args <SSH_COMMON_ARGS>	Specify common arguments to pass to sftp/scp/ssh (e.g. Proxycommand)
--ssh-extra-args <SSH_EXTRA_ARGS>	Specify extra arguments to pass to ssh only (e.g. -r)
--scp-extra-args <SCP_EXTRA_ARGS>	Specify extra arguments to pass to scp only (e.g. -l)
--sftp-extra-args <SFTP_EXTRA_ARGS>	Specify extra arguments to pass to sftp only (e.g. -f, -l)
--ask-vault-pass	Ask for vault password
--vault-id	The vault identity to use
--vault-password-file	Vault password file
--syntax-check	Perform a syntax check on the playbook, but do not execute it
-C, --check	Don't make any changes; instead, try to predict some of the changes that may occur
-D, --diff	When changing files and templates, show differences in those files; works with –check
-B OR ---background <SECONDS>	Run asynchronously, failing after x seconds (default=n/a)
-P OR ---poll <POLL_INTERVAL>	Set the poll interval if using -b (default=15) 'P 0" is 'fire and forget'
-a OR ---args <MODULE_ARGS>	Module arguments
-e, --extra-vars	Set additional variables as key=value or yaml/json, if filename prepend with @
-f OR ---forks <FORKS>	Specify number of parallel processes to use (default=5)
-l OR ---limit <SUBSET>	Further limit selected hosts to an additional pattern
-v, --verbose	Verbose mode (-vvv for more, -vvvv enable connection debugging)
-o, --one-line	Condense output
-t OR ---tree <TREE>	Log output to this directory
-h, --help	Show this help message and exit

ansible-playbook [options] playbook.yml [playbook2 ...]

Focused at simply the running of playbooks. Most of the CLI options in the main Ansible executable also work here.

--flush-cache	clear the fact cache for every host in inventory
--force-handlers	run handlers even if a task fails
--list-hosts	outputs a list of matching hosts; does not execute anything else
--list-tags	list all available tags
--list-tasks	list all tasks that would be executed
--skip-tags	only run plays and tasks whose tags do not match these values
--start-at-task <START_AT_TASK>	start the playbook at the task matching this name
--step	one-step-at-a-time: confirm each task before running

ansible-console [<host-pattern>] [options] - A REPL that allows for running ad-hoc tasks against an inventory
ansible-pull -U <repository-url> [options] [<playbook.yml>] - Pull playbooks and supporting items from a Git repo and spin them up.
ansible-config [dump|list|view] [--help] [options] [ansible.cfg]
ansible-inventory [options] [host|group] - display or dump the currently configured inventory as

Environmental variables
ANSIBLE_CONFIG can be specified to override the default ansible config file. The default config file is at /etc/ansible/ansible.cfg The file at ~/.ansible.cfg is a user config file which overrides the default config if present. Inside of this file are all the environmental variables that can be specified/ altered.

ansible-galaxy [action] [--help] [options]

Manage Ansible roles in shared repositories, the default of which is Ansible Galaxy [https://galaxy.ansible.com]

Actions **(delete | import | info | init | install | list | login | remove | search | setup)**

Actions: info	Prints out detailed information about an installed role as well as info available from the galaxy api.
--offline	Don't query the galaxy api when creating roles
-p, --roles-path	Path to directory containing your roles. Default is roles_path (ansible.cfg) or /etc/ansible/roles
Actions: login	Verify user's identify via github and retrieve an auth token from ansible galaxy.
--github-token <TOKEN>	Identify with github token rather than username and password.
Actions: delete	Delete a role from ansible galaxy.
Actions: init	Creates the skeleton framework of a role that complies with the galaxy metadata format.
--init-path <INIT_PATH>	The path in which the skeleton role will be created. The default is the current working directory.
--offline	Don't query the galaxy api when creating roles
--role-skeleton <ROLE_SKELETON>	The path to a role skeleton that the new role should be based upon.
--type <ROLE_TYPE>	Initialize using an alternate role type. Valid types include: 'container', 'apb' and 'network'.
-f, --force	Force overwriting an existing role
Actions: install	Uses args list of roles to be installed, unless -f was specified. Can be a name or local .tar.gz file.
-f, --force	Force overwriting an existing role
--force-with-deps	Force overwriting an existing role and it's dependencies
-g, --keep-scm-meta	Use tar instead of the scm archive option when packaging the role
-i, --ignore-errors	Ignore errors and continue with the next specified role.
-n, --no-deps	Don't download roles listed as dependencies
-p, --roles-path	Path to directory containing your roles. Default is roles_path (ansible.cfg) or /etc/ansible/roles
-r OR --role-file <ROLE_FILE>	A file containing a list of roles to be imported
Actions: list	Lists the roles installed on the local system or matches a single role passed as an argument.
-p, --roles-path	Path to directory containing your roles. Default is roles_path (ansible.cfg) or /etc/ansible/roles
Actions: remove	Removes the list of roles passed as arguments from the local system.
-p, --roles-path	Path to directory containing your roles. Default is roles_path (ansible.cfg) or /etc/ansible/roles
Actions: import	Used to import a role into ansible galaxy
--branch <REFERENCE>	The name of a branch to import. Defaults to the repository's default branch (usually master)
--no-wait	Don't wait for import results.
--role-name <ROLE_NAME>	The name the role should have, if different than the repo name
--status	Check the status of the most recent import request for given github_user/github_repo.
Actions: setup	Setup an integration from github or travis for ansible galaxy roles
--list	List all of your integrations.
--remove <REMOVE_ID>	Remove the integration matching the provided id value. Use –list to see id values.
Actions: search	Searches for roles on the ansible galaxy server
--author <AUTHOR>	Github username
--galaxy-tags <GALAXY_TAGS>	List of galaxy tags to filter by
--platforms <PLATFORMS>	List of os platforms to filter by
-p, --roles-path	Path to directory containing your roles. Default is roles_path (ansible.cfg) or /etc/ansible/roles

Common Options:

--author <AUTHOR>	Github username
--galaxy-tags <GALAXY_TAGS>	List of galaxy tags to filter by
--platforms <PLATFORMS>	List of os platforms to filter by
--version	Show program's version, config file, module search path, location, executable location and exit
-c, --ignore-certs	Ignore ssl certificate validation errors.
-h, --help	Show this help message and exit
-p, --roles-path	Path to directory containing your roles. Default is roles_path (ansible.cfg) or /etc/ansible/roles
-s OR --server <API_SERVER>	The api server destination
-v, --verbose	Verbose mode (-vvv for more, -vvvv to enable connection debugging)

ansible-doc [-l|-F|-s] [options] [-t <plugin type>] [plugin]

Displays information on modules installed in Ansible libraries; plugins and their short descriptions, helpful details
https://docs.ansible.com/ansible/latest/collections/all_plugins.html

ansible-doc -l	List all plugins
ansible-doc -t connection -l	List all of the type 'connection'
ansible-doc -t connection -s ssh	Show the ssh plugin usage and more details
-l, --list	List available plugins
-t OR --type <TYPE>	Plugin type (default is module). Includes: become, cache, callback, cliconf, connection, filter, httpapi, inventory, lookup, modules, netconf, roles, shell, strategy, test, vars
-s, --snippet	Show brief playbook snippet for specified plugin(s) to paste and customize
-F, --list_files	Show plugin names and their source files without summaries
-j, --json	Dump json metadata
-M, --module-path	Prepend colon-separated path(s) to module library (default=~/.ansible/plugins/modules:/usr/share/ansible/plugins/modules)

Ad Hoc Commands Examples

ansible <host-pattern> [options]
ansible <hostgroup> -m <modulename> -a <arguments to the module>
https://docs.ansible.com/ansible/2.9/modules/list_of_all_modules.html
The shell module is the default module, but if you are doing some things like chaining commands, you must specify it

Check the disk space: ansible multi -a "df -h"
Get free memory: ansible multi -m shell -a "cat /proc/meminfo | head -2" - ansible multi -a "free -m" -i ansible_hosts
Check uptime (all return same info): "ansible multi -m command -a uptime" - "ansible multi -m shell -a uptime" - "ansible multi -a uptime"
Execute a command as root user: "ansible multi -m shell -a "cat /etc/passwd|grep -i vagrant" -b -K" -K will need to be verified depending on ansible.cfg
Creating user groups: "ansible app -s -m group -a "name=devops3 state=present" (or state=absent to remove)
Creating user: "ansible app -m user -a "name=devops3-user2 group=devops3 createhome=yes" -b
Change file ownership info: ansible app -m file -a "path=/opt/mydir group=devops3 owner=devops3-user2" -i ansible_hosts -b"
Creating directory with permissions: "ansible app -m file -a "path=/opt/mydir state=directory mode=0755" -b" (delete with state=absent)
Same for a file: "ansible app -m file -a "path=/tmp/testfile state=touch mode=0755"
To copy (scp) files: "ansible 172.6.7.10 -m copy -a "src=~/Downloads/index.html dest=/var/www/html owner=apache group=apache mode=0644"
Start (or stop) service on hosts: "ansible multi -s -m service -a "name=httpd state=started enabled=yes"
To check the a service's status info: "ansible 172.6.7.10 -m service -a "name=httpd" -i ansible_hosts -u vagrant"
Using systemd module to start/stop/restart/reload services: ansible webservers -m systemd -a "name=nginx state=reloaded" -i prod-ansible-hosts
Get file/directory info: "ansible multi -m stat -a "path=/etc/environment"
Download file from URL: ansible 172.6.7.10 -m get_url -a "url=https://nodejs.org/myfile.tar.gz dest=/tmp mode=0755" -i prod-ansible-hosts
Check the open ports: ansible 172.6.7.10 -m listen_ports_facts -i prod-ansible-hosts
Get some logging info: ansible multi -b -a "tail /var/log/messages"
Reboot servers in group, 12 at a time: "ansible apps -a "/sbin/reboot" -f 12"
Install on RH-compatible system: "ansible rh-hosts -s -m yum -a "name=httpd state=installed"
Install on Debian-compatible system: "ansible ubuntu-hosts -m apt -a "name=vsftpd-3.0.2 state=present"
- Both apt and yum have almost identical state options (present, absent, latest); repo-related stuff differs.
Run a cron job every 4 hours: "ansible multi -s -m cron -a "name='daily-cron-all-servers' hour=4 job='/path/to/hour-script.sh'"
- With the cron module, 15 minutes is specified with minute=*/15, there is also and special_time=reboot or daily or weekly for those

• Using the limit option lets you get very specific: ansible app -b -a "systemctl status ntpd" --limit "172.6.7.10" to limit running this command module op on this one ip node... can also be wildcarded *.4 for all IPs ending in .4 you can use the style --limit !172.6.7.10 to exclude with "!", and --limit "app:&multi" for all members of several groups, and even combine them such as --limit "app:!172.6.7.80" which specifies one IP in a specific group

• The -B option mentioned here is most helpful to run an adhoc command that may take some time to run in the background so you can continue to work in your terminal without interruption.

• The setup module access ansible_facts variables, which as seen below can be filtered. It is similar to info found using the facter utility:
ansible appservers -m setup -i ansible_hosts -a 'filter=ansible_distribution,ansible_distribution_version,ansible_memfree_mb, ansible_memtotal_mb, ansible_processor_cores*,ansible_architecture' 2>/dev/null
In playbooks, it is more suitable to use the gather_facts option instead, which you do not need to call explicitly, as it is automatically run at the beginning of each playbook execution. Setup would then be used for more customized, on-demand queries (such as to update facts after running plays)

Ansible Directory Layout

```
production              # inventory file for production servers
staging                 # inventory file for staging environment

group_vars/
   group1.yml           # here we assign variables to particular groups
   group2.yml
host_vars/
   hostname1.yml        # here we assign variables to particular systems
   hostname2.yml

library/                # if any custom modules, put them here (optional)
module_utils/           # if any custom module_utils to support modules, put them here (optional)
filter_plugins/         # if any custom filter plugins, put them here (optional)

site.yml                # master playbook
webservers.yml          # playbook for webserver tier
dbservers.yml           # playbook for dbserver tier

roles/
    common/             # this hierarchy represents a "role"
        tasks/          #
            main.yml    #  <-- tasks file can include smaller files if warranted
        handlers/       #
            main.yml    #  <-- handlers file
        templates/      #  <-- files for use with the template resource
            ntp.conf.j2 #  <------- templates end in .j2
        files/          #
            bar.txt     #  <-- files for use with the copy resource
            foo.sh      #  <-- script files for use with the script resource
        vars/           #
            main.yml    #  <-- variables associated with this role
        defaults/       #
            main.yml    #  <-- default lower priority variables for this role
        meta/           #
            main.yml    #  <-- role dependencies
        library/        # roles can also include custom modules
        module_utils/   # roles can also include custom module_utils
        lookup_plugins/ # or other types of plugins, like lookup in this case

    webtier/            # same kind of structure as "common" was above, done for the webtier role
    monitoring/         # " "
```

Alternate layout:

Putting each inventory with its group_vars/host_vars in a separate directory. Useful if these don't have much in common in different environments

```
inventories/
   production/
      hosts             # inventory file for production servers
      group_vars/
         group1.yml     # here we assign variables to particular groups
         group2.yml
      host_vars/
         hostname1.yml  # here we assign variables to particular systems
         hostname2.yml

   staging/
      hosts             # inventory file for staging environment
      group_vars/
         group1.yml     # here we assign variables to particular groups
         group2.yml
      host_vars/
         stagehost1.yml # here we assign variables to particular systems
         stagehost2.yml

library/
module_utils/
filter_plugins/

site.yml
webservers.yml
dbservers.yml

roles/
    common/
    webtier/
    monitoring/
    fooapp/
```

Static inventory example: production

```
# file: production.  Define groups based on purpose of host (roles) and also city or datacenter location (if applicable)

[houston_webservers]
www-atl-1.example.com
www-atl-2.example.com

[richmond_webservers]
www-bos-1.example.com
www-bos-2.example.com

[houston_dbservers]
db-atl-1.example.com
db-atl-2.example.com

[richmond_dbservers]
db-bos-1.example.com

# webservers in all cities
[webservers:children]
houston_webservers
richmond_webservers

# dbservers in all cities
[dbservers:children]
houston_dbservers
richmond_dbservers

# everything in the houston
[houston:children]
houston_webservers
houston_dbservers

# everything in the richmond
[richmond:children]
richmond_webservers
richmond_dbservers
```

Group And Host Variables; Assign variables to groups:

Houston has its own NTP servers, so when setting up ntp.conf, we should use them:

```
# file: group_vars/houston.yml
ntp: ntp-houston.example.com
backup: backup-houston.example.com
```

Webservers have some specific configuration that doesn't make sense for the database servers:

```
# file: group_vars/webservers.yml
apacheMaxRequestsPerChild: 3000
apacheMaxClients: 900
```

Default/universal values, put them in a file called group_vars/all:

```
# file: group_vars/all.yml
ntp: ntp-richmond.example.com
backup: backup-richmond.example.com
```

If needed, define specific hardware variance in systems in a host_vars file, but avoid doing this unless you need to:

```
# file: host_vars/db-bos-1.example.com.yml
foo_agent_port: 86
bar_agent_port: 99
```

Again, if we are using dynamic inventory sources, many dynamic groups are automatically created. So a tag like "class:webserver" would load in variables from the file "group_vars/ec2_tag_class_webserver" automatically.

Top Level Playbooks Are Separated By Role

In site.yml, we import playbooks that defines our entire infrastructure

```
# file: site.yml
- import_playbook: webservers.yml
- import_playbook: dbservers.yml
```

In a file like webservers.yml (also at the top level), map the configuration of webservers group to the roles it performs:

```
# file: webservers.yml
- hosts: webservers
  roles:
    - common
    - webtier
```

You can either choose to configure our whole infrastructure by "running" site.yml or just run a subset (webservers.yml). This is analogous to the "–limit" parameter to ansible but a little more explicit: "ansible-playbook site.yml --limit webservers" is the same as "ansible-playbook webservers.yml"

Task And Handler Organization For A Role

Below is an example tasks file that explains how a role works. Our common role here just sets up NTP, but it could do more if we wanted:

```
# file: roles/common/tasks/main.yml
- name: be sure ntp is installed
  yum:
    name: ntp
    state: present
  tags: ntp

- name: be sure ntp is configured
  template:
    src: ntp.conf.j2
    dest: /etc/ntp.conf
  notify:
    - restart ntpd                # notify handler (see below
  tags: ntp

- name: be sure ntpd is running and enabled
  service:
    name: ntpd
    state: started
    enabled: yes
  tags: ntp
```

Handlers are only fired when certain tasks report changes, and are run at the end of each play:

```
# file: roles/common/handlers/main.yml
- name: restart ntpd
  service:
    name: ntpd
    state: restarted
```

What This Organization Enables (Examples)

Reconfigure my whole infrastructure: ansible-playbook -i production site.yml
To reconfigure NTP on everything: ansible-playbook -i production site.yml --tags ntp
To reconfigure just my webservers: ansible-playbook -i production webservers.yml
For just my webservers in Richmond: ansible-playbook -i production webservers.yml --limit richmond

For just the first 10, and then the next 10:
ansible-playbook -i production webservers.yml --limit richmond[0:9]
ansible-playbook -i production webservers.yml --limit richmond[10:19]

Confirm what task names would be run if I ran this command and said "just ntp tasks"
ansible-playbook -i production webservers.yml --tags ntp --list-tasks

Confirm what hostnames might be communicated with if I said "limit to richmond"
ansible-playbook -i production webservers.yml --limit richmond --list-hosts

Rolling Update Batch Size and Maximum Failure Percentage

By default, Ansible will try to manage all of the machines referenced in a play in parallel. For rolling update use "serial" to limit this. Example, if we had 4 hosts in the group ‘webservers’, 2 would complete the play before moving on to the next 2 hosts- can also use a percentage (serial: "30%")

```
- name: test play
  hosts: webservers
  serial: 2
  gather_facts: False
  tasks:
  - name: task one
    command: hostname
  - name: task two
    command: hostname
```

Below, the first batch would contain a single host, the next would contain 5 hosts, every following batch would contain 10 hosts

```
- name: test play
  hosts: webservers
  serial:
  - 1
  - 5
  - 10
```

If you need to stop things due to errors- if more than 3 of the 10 servers in the group were to fail, the rest of the play would be aborted:

```
- hosts: webservers
  max_fail_percentage: 30
  serial: 10
```

Quick descriptions of modules to import for specific platforms: Kubernetes, VMWare, AWS, GCP, Azure, Juniper, Cisco

Kubernetes.Core
Collection version 2.4.0
https://docs.ansible.com/ansible/latest/collections/kubernetes/core/index.html#plugins-in-kubernetes-core
helm module – Manages Kubernetes packages with the Helm package manager
helm_info module – Get information from Helm package deployed inside the cluster
helm_plugin module – Manage Helm plugins
helm_plugin_info module – Gather information about Helm plugins
helm_pull module – download a chart from a repository and (optionally) unpack it in local directory.
helm_repository module – Manage Helm repositories.
helm_template module – Render chart templates
k8s module – Manage Kubernetes (K8s) objects
k8s_cluster_info module – Describe Kubernetes (K8s) cluster, APIs available and their respective versions
k8s_cp module – Copy files and directories to and from pod.
k8s_drain module – Drain, Cordon, or Uncordon node in k8s cluster
k8s_exec module – Execute command in Pod
k8s_info module – Describe Kubernetes (K8s) objects
k8s_json_patch module – Apply JSON patch operations to existing objects
k8s_log module – Fetch logs from Kubernetes resources
k8s_rollback module – Rollback Kubernetes (K8S) Deployments and DaemonSets
k8s_scale module – Set a new size for a Deployment, ReplicaSet, Replication Controller, or Job.
k8s_service module – Manage Services on Kubernetes
k8s_taint module – Taint a node in a Kubernetes/OpenShift cluster

Connection Plugins
kubectl connection – Execute tasks in pods running on Kubernetes.

Filter Plugins
k8s_config_resource_name filter – Generate resource name for the given resource of type ConfigMap, Secret

Inventory Plugins
k8s inventory – Kubernetes (K8s) inventory source

Lookup Plugins
k8s lookup – Query the K8s API
kustomize lookup – Build a set of kubernetes resources using a ‘kustomization.yaml’ file.

Vmware.Vmware_Rest
Collection version 2.3.1
https://docs.ansible.com/ansible/latest/collections/vmware/vmware_rest/index.html#plugins-in-vmware-vmware-rest
appliance_access_consolecli module – Set enabled state of the console-based controlled CLI (TTY1).
appliance_access_consolecli_info module – Get enabled state of the console-based controlled CLI (TTY1).
appliance_access_dcui module – Set enabled state of Direct Console User Interface (DCUI TTY2).
appliance_access_dcui_info module – Get enabled state of Direct Console User Interface (DCUI TTY2).
appliance_access_shell module – Set enabled state of BASH, that is, access to BASH from within the controlled CLI.
appliance_access_shell_info module – Get enabled state of BASH, that is, access to BASH from within the controlled CLI.
appliance_access_ssh module – Set enabled state of the SSH-based controlled CLI.
appliance_access_ssh_info module – Get enabled state of the SSH-based controlled CLI.
appliance_health_applmgmt_info module – Get health status of applmgmt services.
appliance_health_database_info module – Returns the health status of the database.
appliance_health_databasestorage_info module – Get database storage health.
appliance_health_load_info module – Get load health.
appliance_health_mem_info module – Get memory health.
appliance_health_softwarepackages_info module – Get information on available software updates available in the remote vSphere Update Manager repository
appliance_health_storage_info module – Get storage health.
appliance_health_swap_info module – Get swap health.
appliance_health_system_info module – Get overall health of system.
appliance_infraprofile_configs module – Exports the desired profile specification.
appliance_infraprofile_configs_info module – List all the profiles which are registered.
appliance_localaccounts_globalpolicy module – Set the global password policy.
appliance_localaccounts_globalpolicy_info module – Get the global password policy.
appliance_localaccounts_info module – Get the local user account information.
appliance_monitoring_info module – Get monitored item info
appliance_monitoring_query module – Get monitoring data.
appliance_networking module – Reset and restarts network configuration on all interfaces, also this will renew the DHCP lease for DHCP IP address.
appliance_networking_dns_domains module – Set DNS search domains.
appliance_networking_dns_domains_info module – Get list of DNS search domains.
appliance_networking_dns_hostname module – Set the Fully Qualified Domain Name.
appliance_networking_dns_hostname_info module – Get the Fully Qualified Doman Name.
appliance_networking_dns_servers module – Set the DNS server configuration
appliance_networking_dns_servers_info module – Get DNS server configuration.
appliance_networking_firewall_inbound module – Set the ordered list of firewall rules to allow or deny traffic from one or more incoming IP addresses
appliance_networking_firewall_inbound_info module – Get the ordered list of firewall rules
appliance_networking_info module – Get Networking information for all configured interfaces.
appliance_networking_interfaces_info module – Get information about a particular network interface.
appliance_networking_interfaces_ipv4 module – Set IPv4 network configuration for specific network interface.
appliance_networking_interfaces_ipv4_info module – Get IPv4 network configuration for specific NIC.
appliance_networking_interfaces_ipv6 module – Set IPv6 network configuration for specific interface.
appliance_networking_interfaces_ipv6_info module – Get IPv6 network configuration for specific interface.
appliance_networking_noproxy module – Sets servers for which no proxy configuration should be applied
appliance_networking_noproxy_info module – Returns servers for which no proxy configuration will be applied.
appliance_networking_proxy module – Configures which proxy server to use for the specified protocol
appliance_networking_proxy_info module – Gets the proxy configuration for a specific protocol.

appliance_ntp module – Set NTP servers
appliance_ntp_info module – Get the NTP configuration status
appliance_services module – Restarts a service
appliance_services_info module – Returns the state of a service.
appliance_shutdown module – Cancel pending shutdown action.
appliance_shutdown_info module – Get details about the pending shutdown action.
appliance_system_globalfips module – Enable/Disable Global FIPS mode for the appliance
appliance_system_globalfips_info module – Get current appliance FIPS settings.
appliance_system_storage module – Resize all partitions to 100 percent of disk size.
appliance_system_storage_info module – Get disk to partition mapping.
appliance_system_time_info module – Get system time.
appliance_system_time_timezone module – Set time zone.
appliance_system_time_timezone_info module – Get time zone.
appliance_system_version_info module – Get the version.
appliance_timesync module – Set time synchronization mode.
appliance_timesync_info module – Get time synchronization mode.
appliance_update_info module – Gets the current status of the appliance update.
appliance_vmon_service module – Lists details of services managed by vMon.
appliance_vmon_service_info module – Returns the state of a service.
content_configuration module – Updates the configuration
content_configuration_info module – Retrieves the current configuration values.
content_library_item_info module – Returns the {@link ItemModel} with the given identifier.
content_locallibrary module – Creates a new local library.
content_locallibrary_info module – Returns a given local library.
content_subscribedlibrary module – Creates a new subscribed library
content_subscribedlibrary_info module – Returns a given subscribed library.
vcenter_cluster_info module – Retrieves information about the cluster corresponding to {@param.name cluster}.
vcenter_datacenter module – Create a new datacenter in the vCenter inventory
vcenter_datacenter_info module – Retrieves information about the datacenter corresponding to {@param.name datacenter}.
vcenter_datastore_info module – Retrieves information about the datastore indicated by {@param.name datastore}.
vcenter_folder_info module – Returns information about at most 1000 visible (subject to permission checks) folders in vCenter matching the {@link FilterSpec}.
vcenter_host module – Add a new standalone host in the vCenter inventory
vcenter_host_info module – Returns information about at most 2500 visible (subject to permission checks) hosts in vCenter matching the {@link FilterSpec}.
vcenter_network_info module – Returns information about at most 1000 visible (subject to permission checks) networks in vCenter matching the {@link FilterSpec}.
vcenter_ovf_libraryitem module – Creates a library item in content library from a virtual machine or virtual appliance
vcenter_resourcepool module – Creates a resource pool.
vcenter_resourcepool_info module – Retrieves information about the resource pool indicated by {@param.name resourcePool}.
vcenter_storage_policies_info module – Returns information about at most 1024 visible (subject to permission checks) storage solicies availabe in vCenter
vcenter_vm module – Creates a virtual machine.
vcenter_vm_guest_customization module – Applies a customization specification on the virtual machine
vcenter_vm_guest_filesystem_directories module – Creates a directory in the guest operating system
vcenter_vm_guest_identity_info module – Return information about the guest.
vcenter_vm_guest_localfilesystem_info module – Returns details of the local file systems in the guest operating system.
vcenter_vm_guest_networking_info module – Returns information about the network configuration in the guest operating system.
vcenter_vm_guest_networking_interfaces_info module – Returns information about the networking interfaces in the guest operating system.
vcenter_vm_guest_networking_routes_info module – Returns information about network routing in the guest operating system.
vcenter_vm_guest_operations_info module – Get information about the guest operation status.
vcenter_vm_guest_power module – Issues a request to the guest operating system asking it to perform a soft shutdown, standby (suspend) or soft reboot
vcenter_vm_guest_power_info module – Returns information about the guest operating system power state.
vcenter_vm_hardware module – Updates the virtual hardware settings of a virtual machine.
vcenter_vm_hardware_adapter_sata module – Adds a virtual SATA adapter to the virtual machine.
vcenter_vm_hardware_adapter_sata_info module – Returns information about a virtual SATA adapter.
vcenter_vm_hardware_adapter_scsi module – Adds a virtual SCSI adapter to the virtual machine.
vcenter_vm_hardware_adapter_scsi_info module – Returns information about a virtual SCSI adapter.
vcenter_vm_hardware_boot module – Updates the boot-related settings of a virtual machine.
vcenter_vm_hardware_boot_device module – Sets the virtual devices that will be used to boot the virtual machine
vcenter_vm_hardware_boot_device_info module – Returns an ordered list of boot devices for the virtual machine
vcenter_vm_hardware_boot_info module – Returns the boot-related settings of a virtual machine.
vcenter_vm_hardware_cdrom module – Adds a virtual CD-ROM device to the virtual machine.
vcenter_vm_hardware_cdrom_info module – Returns information about a virtual CD-ROM device.
vcenter_vm_hardware_cpu module – Updates the CPU-related settings of a virtual machine.
vcenter_vm_hardware_cpu_info module – Returns the CPU-related settings of a virtual machine.
vcenter_vm_hardware_disk module – Adds a virtual disk to the virtual machine
vcenter_vm_hardware_disk_info module – Returns information about a virtual disk.
vcenter_vm_hardware_ethernet module – Adds a virtual Ethernet adapter to the virtual machine.
vcenter_vm_hardware_ethernet_info module – Returns information about a virtual Ethernet adapter.
vcenter_vm_hardware_floppy module – Adds a virtual floppy drive to the virtual machine.
vcenter_vm_hardware_floppy_info module – Returns information about a virtual floppy drive.
vcenter_vm_hardware_info module – Returns the virtual hardware settings of a virtual machine.
vcenter_vm_hardware_memory module – Updates the memory-related settings of a virtual machine.
vcenter_vm_hardware_memory_info module – Returns the memory-related settings of a virtual machine.
vcenter_vm_hardware_parallel module – Adds a virtual parallel port to the virtual machine.
vcenter_vm_hardware_parallel_info module – Returns information about a virtual parallel port.
vcenter_vm_hardware_serial module – Adds a virtual serial port to the virtual machine.
vcenter_vm_hardware_serial_info module – Returns information about a virtual serial port.
vcenter_vm_info module – Returns information about a virtual machine.
vcenter_vm_libraryitem_info module – Returns the information about the library item associated with the virtual machine.
vcenter_vm_power module – Operate a boot, hard shutdown, hard reset or hard suspend on a guest.
vcenter_vm_power_info module – Returns the power state information of a virtual machine.
vcenter_vm_storage_policy module – Updates the storage policy configuration of a virtual machine and/or its associated virtual hard disks.
vcenter_vm_storage_policy_compliance module – Returns the storage policy Compliance {@link Info} of a virtual machine after explicitly re-computing compliance check.
vcenter_vm_storage_policy_compliance_info module – Returns the cached storage policy compliance information of a virtual machine.
vcenter_vm_storage_policy_info module – Returns Information about Storage Policy associated with a virtual machine's home directory and/or its virtual hard disks.

vcenter_vm_tools module – Update the properties of VMware Tools.
vcenter_vm_tools_info module – Get the properties of VMware Tools.
vcenter_vm_tools_installer module – Connects the VMware Tools CD installer as a CD-ROM for the guest operating system
vcenter_vm_tools_installer_info module – Get information about the VMware Tools installer.
vcenter_vmtemplate_libraryitems module – Creates a library item in content library from a virtual machine
vcenter_vmtemplate_libraryitems_info module – Returns information about a virtual machine template contained in the library item specified by {@param.name templateLibraryItem}

Lookup Plugins
cluster_moid lookup – Look up MoID for vSphere cluster objects using vCenter REST API
datacenter_moid lookup – Look up MoID for vSphere datacenter objects using vCenter REST API
datastore_moid lookup – Look up MoID for vSphere datastore objects using vCenter REST API
folder_moid lookup – Look up MoID for vSphere folder objects using vCenter REST API
host_moid lookup – Look up MoID for vSphere host objects using vCenter REST API
network_moid lookup – Look up MoID for vSphere network objects using vCenter REST API
resource_pool_moid lookup – Look up MoID for vSphere resource pool objects using vCenter REST API
vm_moid lookup – Look up MoID for vSphere vm objects using vCenter REST API

Amazon.Aws
Collection version 7.0.0-dev0
https://ansible-collections.github.io/amazon.aws/branch/main/collections/amazon/aws/index.html
autoscaling_group module – Create or delete AWS AutoScaling Groups (ASGs)
autoscaling_group_info module – Gather information about EC2 Auto Scaling Groups (ASGs) in AWS
aws_az_info module – Gather information about availability zones in AWS
aws_caller_info module – Get information about the user and account being used to make AWS calls
backup_plan module – Manage AWS Backup Plans
backup_plan_info module – Describe AWS Backup Plans
backup_restore_job_info module – List information about backup restore jobs
backup_selection module – Create, delete and modify AWS Backup selection
backup_selection_info module – Describe AWS Backup Selections
backup_tag module – Manage tags on backup plan, backup vault, recovery point
backup_tag_info module – List tags on AWS Backup resources
backup_vault module – Manage AWS Backup Vaults
backup_vault_info module – Describe AWS Backup Vaults
cloudformation module – Create or delete an AWS CloudFormation stack
cloudformation_info module – Obtain information about an AWS CloudFormation stack
cloudtrail module – manage CloudTrail create, delete, update
cloudtrail_info module – Gather information about trails in AWS Cloud Trail.
cloudwatch_metric_alarm module – Create/update or delete AWS CloudWatch ‘metric alarms’
cloudwatch_metric_alarm_info module – Gather information about the alarms for the specified metric
cloudwatchevent_rule module – Manage CloudWatch Event rules and targets
cloudwatchlogs_log_group module – create or delete log_group in CloudWatchLogs
cloudwatchlogs_log_group_info module – Get information about log_group in CloudWatchLogs
cloudwatchlogs_log_group_metric_filter module – Manage CloudWatch log group metric filter
ec2_ami module – Create or destroy an image (AMI) in EC2
ec2_ami_info module – Gather information about ec2 AMIs
ec2_eip module – manages EC2 elastic IP (EIP) addresses.
ec2_eip_info module – List EC2 EIP details
ec2_eni module – Create and optionally attach an Elastic Network Interface (ENI) to an instance
ec2_eni_info module – Gather information about EC2 ENI interfaces in AWS
ec2_instance module – Create & manage EC2 instances
ec2_instance_info module – Gather information about ec2 instances in AWS
ec2_key module – Create or delete an EC2 key pair
ec2_key_info module – Gather information about EC2 key pairs in AWS
ec2_metadata_facts module – Gathers facts (instance metadata) about remote hosts within EC2
ec2_security_group module – Maintain an EC2 security group
ec2_security_group_info module – Gather information about EC2 security groups in AWS
ec2_snapshot module – Creates a snapshot from an existing volume
ec2_snapshot_info module – Gathers information about EC2 volume snapshots in AWS
ec2_spot_instance module – Request, stop, reboot or cancel spot instance
ec2_spot_instance_info module – Gather information about ec2 spot instance requests
ec2_tag module – Create and remove tags on ec2 resources
ec2_tag_info module – List tags on ec2 resources
ec2_vol module – Create and attach a volume, return volume ID and device map
ec2_vol_info module – Gather information about EC2 volumes in AWS
ec2_vpc_dhcp_option module – Manages DHCP Options, and can ensure the DHCP options for the given VPC match what’s requested
ec2_vpc_dhcp_option_info module – Gather information about DHCP options sets in AWS
ec2_vpc_endpoint module – Create and delete AWS VPC endpoints
ec2_vpc_endpoint_info module – Retrieves AWS VPC endpoints details using AWS methods
ec2_vpc_endpoint_service_info module – Retrieves AWS VPC endpoint service details
ec2_vpc_igw module – Manage an AWS VPC Internet gateway
ec2_vpc_igw_info module – Gather information about internet gateways in AWS
ec2_vpc_nat_gateway module – Manage AWS VPC NAT Gateways
ec2_vpc_nat_gateway_info module – Retrieves AWS VPC Managed Nat Gateway details using AWS methods
ec2_vpc_net module – Configure AWS Virtual Private Clouds
ec2_vpc_net_info module – Gather information about ec2 VPCs in AWS
ec2_vpc_route_table module – Manage route tables for AWS Virtual Private Clouds
ec2_vpc_route_table_info module – Gather information about ec2 VPC route tables in AWS
ec2_vpc_subnet module – Manage subnets in AWS virtual private clouds
ec2_vpc_subnet_info module – Gather information about ec2 VPC subnets in AWS
elb_application_lb module – Manage an Application Load Balancer
elb_application_lb_info module – Gather information about Application Load Balancers in AWS
elb_classic_lb module – Creates, updates or destroys an Amazon ELB
iam_group module – Manage AWS IAM groups
iam_instance_profile module – manage IAM instance profiles
iam_instance_profile_info module – gather information on IAM instance profiles
iam_policy module – Manage inline IAM policies for users, groups, and roles
iam_policy_info module – Retrieve inline IAM policies for users, groups, and roles

iam_user module – Manage AWS IAM users
iam_user_info module – Gather IAM user(s) facts in AWS
kms_key module – Perform various KMS key management tasks
kms_key_info module – Gather information about AWS KMS keys
lambda module – Manage AWS Lambda functions
lambda_alias module – Creates, updates or deletes AWS Lambda function aliases
lambda_event module – Creates, updates or deletes AWS Lambda function event mappings
lambda_execute module – Execute an AWS Lambda function
lambda_info module – Gathers AWS Lambda function details
lambda_layer module – Creates an AWS Lambda layer or deletes an AWS Lambda layer version
lambda_layer_info module – List lambda layer or lambda layer versions
lambda_policy module – Creates, updates or deletes AWS Lambda policy statements.
rds_cluster module – rds_cluster module
rds_cluster_info module – Obtain information about one or more RDS clusters
rds_cluster_snapshot module – Manage Amazon RDS snapshots of DB clusters
rds_instance module – Manage RDS instances
rds_instance_info module – obtain information about one or more RDS instances
rds_instance_snapshot module – Manage Amazon RDS instance snapshots
rds_option_group module – Manages the creation, modification, deletion of RDS option groups
rds_option_group_info module – rds_option_group_info module
rds_param_group module – manage RDS parameter groups
rds_snapshot_info module – obtain information about one or more RDS snapshots
rds_subnet_group module – manage RDS database subnet groups
route53 module – add or delete entries in Amazons Route 53 DNS service
route53_health_check module – Manage health-checks in Amazons Route53 DNS service
route53_info module – Retrieves route53 details using AWS methods
route53_zone module – add or delete Route53 zones
s3_bucket module – Manage S3 buckets in AWS, DigitalOcean, Ceph, Walrus, FakeS3 and StorageGRID
s3_object module – Manage objects in S3
s3_object_info module – Gather information about objects in S3

Callback Plugins
aws_resource_actions callback – summarizes all “resource:actions” completed

Inventory Plugins
aws_ec2 inventory – EC2 inventory source
aws_rds inventory – RDS instance inventory source

Lookup Plugins
aws_account_attribute lookup – Look up AWS account attributes
aws_collection_constants lookup – expose various collection related constants
aws_service_ip_ranges lookup – Look up the IP ranges for services provided in AWS such as EC2 and S3.
secretsmanager_secret lookup – Look up secrets stored in AWS Secrets Manager
ssm_parameter lookup – gets the value for a SSM parameter or all parameters under a path

Google.Cloud
Collection version 1.2.0
https://docs.ansible.com/ansible/latest/collections/google/cloud/index.html
gcp_appengine_firewall_rule module – Creates a GCP FirewallRule
gcp_appengine_firewall_rule_info module – Gather info for GCP FirewallRule
gcp_bigquery_dataset module – Creates a GCP Dataset
gcp_bigquery_dataset_info module – Gather info for GCP Dataset
gcp_bigquery_table module – Creates a GCP Table
gcp_bigquery_table_info module – Gather info for GCP Table
gcp_bigtable_instance module – Creates a GCP Instance
gcp_bigtable_instance_info module – Gather info for GCP Instance
gcp_cloudbuild_trigger module – Creates a GCP Trigger
gcp_cloudbuild_trigger_info module – Gather info for GCP Trigger
gcp_cloudfunctions_cloud_function module – Creates a GCP CloudFunction
gcp_cloudfunctions_cloud_function_info module – Gather info for GCP CloudFunction
gcp_cloudscheduler_job module – Creates a GCP Job
gcp_cloudscheduler_job_info module – Gather info for GCP Job
gcp_cloudtasks_queue module – Creates a GCP Queue
gcp_cloudtasks_queue_info module – Gather info for GCP Queue
gcp_compute_address module – Creates a GCP Address
gcp_compute_address_info module – Gather info for GCP Address
gcp_compute_autoscaler module – Creates a GCP Autoscaler
gcp_compute_autoscaler_info module – Gather info for GCP Autoscaler
gcp_compute_backend_bucket module – Creates a GCP BackendBucket
gcp_compute_backend_bucket_info module – Gather info for GCP BackendBucket
gcp_compute_backend_service module – Creates a GCP BackendService
gcp_compute_backend_service_info module – Gather info for GCP BackendService
gcp_compute_disk module – Creates a GCP Disk
gcp_compute_disk_info module – Gather info for GCP Disk
gcp_compute_external_vpn_gateway module – Creates a GCP ExternalVpnGateway
gcp_compute_external_vpn_gateway_info module – Gather info for GCP ExternalVpnGateway
gcp_compute_firewall module – Creates a GCP Firewall
gcp_compute_firewall_info module – Gather info for GCP Firewall
gcp_compute_forwarding_rule module – Creates a GCP ForwardingRule
gcp_compute_forwarding_rule_info module – Gather info for GCP ForwardingRule
gcp_compute_global_address module – Creates a GCP GlobalAddress
gcp_compute_global_address_info module – Gather info for GCP GlobalAddress
gcp_compute_global_forwarding_rule module – Creates a GCP GlobalForwardingRule
gcp_compute_global_forwarding_rule_info module – Gather info for GCP GlobalForwardingRule
gcp_compute_health_check module – Creates a GCP HealthCheck
gcp_compute_health_check_info module – Gather info for GCP HealthCheck
gcp_compute_http_health_check module – Creates a GCP HttpHealthCheck
gcp_compute_http_health_check_info module – Gather info for GCP HttpHealthCheck

gcp_compute_https_health_check module – Creates a GCP HttpsHealthCheck
gcp_compute_https_health_check_info module – Gather info for GCP HttpsHealthCheck
gcp_compute_image module – Creates a GCP Image
gcp_compute_image_info module – Gather info for GCP Image
gcp_compute_instance module – Creates a GCP Instance
gcp_compute_instance_group module – Creates a GCP InstanceGroup
gcp_compute_instance_group_info module – Gather info for GCP InstanceGroup
gcp_compute_instance_group_manager module – Creates a GCP InstanceGroupManager
gcp_compute_instance_group_manager_info module – Gather info for GCP InstanceGroupManager
gcp_compute_instance_info module – Gather info for GCP Instance
gcp_compute_instance_template module – Creates a GCP InstanceTemplate
gcp_compute_instance_template_info module – Gather info for GCP InstanceTemplate
gcp_compute_interconnect_attachment module – Creates a GCP InterconnectAttachment
gcp_compute_interconnect_attachment_info module – Gather info for GCP InterconnectAttachment
gcp_compute_network module – Creates a GCP Network
gcp_compute_network_endpoint_group module – Creates a GCP NetworkEndpointGroup
gcp_compute_network_endpoint_group_info module – Gather info for GCP NetworkEndpointGroup
gcp_compute_network_info module – Gather info for GCP Network
gcp_compute_node_group module – Creates a GCP NodeGroup
gcp_compute_node_group_info module – Gather info for GCP NodeGroup
gcp_compute_node_template module – Creates a GCP NodeTemplate
gcp_compute_node_template_info module – Gather info for GCP NodeTemplate
gcp_compute_region_autoscaler module – Creates a GCP RegionAutoscaler
gcp_compute_region_autoscaler_info module – Gather info for GCP RegionAutoscaler
gcp_compute_region_backend_service module – Creates a GCP RegionBackendService
gcp_compute_region_backend_service_info module – Gather info for GCP RegionBackendService
gcp_compute_region_disk module – Creates a GCP RegionDisk
gcp_compute_region_disk_info module – Gather info for GCP RegionDisk
gcp_compute_region_health_check module – Creates a GCP RegionHealthCheck
gcp_compute_region_health_check_info module – Gather info for GCP RegionHealthCheck
gcp_compute_region_instance_group_manager module – Creates a GCP RegionInstanceGroupManager
gcp_compute_region_instance_group_manager_info module – Gather info for GCP RegionInstanceGroupManager
gcp_compute_region_target_http_proxy module – Creates a GCP RegionTargetHttpProxy
gcp_compute_region_target_http_proxy_info module – Gather info for GCP RegionTargetHttpProxy
gcp_compute_region_target_https_proxy module – Creates a GCP RegionTargetHttpsProxy
gcp_compute_region_target_https_proxy_info module – Gather info for GCP RegionTargetHttpsProxy
gcp_compute_region_url_map module – Creates a GCP RegionUrlMap
gcp_compute_region_url_map_info module – Gather info for GCP RegionUrlMap
gcp_compute_reservation module – Creates a GCP Reservation
gcp_compute_reservation_info module – Gather info for GCP Reservation
gcp_compute_resource_policy module – Creates a GCP ResourcePolicy
gcp_compute_resource_policy_info module – Gather info for GCP ResourcePolicy
gcp_compute_route module – Creates a GCP Route
gcp_compute_route_info module – Gather info for GCP Route
gcp_compute_router module – Creates a GCP Router
gcp_compute_router_info module – Gather info for GCP Router
gcp_compute_snapshot module – Creates a GCP Snapshot
gcp_compute_snapshot_info module – Gather info for GCP Snapshot
gcp_compute_ssl_certificate module – Creates a GCP SslCertificate
gcp_compute_ssl_certificate_info module – Gather info for GCP SslCertificate
gcp_compute_ssl_policy module – Creates a GCP SslPolicy
gcp_compute_ssl_policy_info module – Gather info for GCP SslPolicy
gcp_compute_subnetwork module – Creates a GCP Subnetwork
gcp_compute_subnetwork_info module – Gather info for GCP Subnetwork
gcp_compute_target_http_proxy module – Creates a GCP TargetHttpProxy
gcp_compute_target_http_proxy_info module – Gather info for GCP TargetHttpProxy
gcp_compute_target_https_proxy module – Creates a GCP TargetHttpsProxy
gcp_compute_target_https_proxy_info module – Gather info for GCP TargetHttpsProxy
gcp_compute_target_instance module – Creates a GCP TargetInstance
gcp_compute_target_instance_info module – Gather info for GCP TargetInstance
gcp_compute_target_pool module – Creates a GCP TargetPool
gcp_compute_target_pool_info module – Gather info for GCP TargetPool
gcp_compute_target_ssl_proxy module – Creates a GCP TargetSslProxy
gcp_compute_target_ssl_proxy_info module – Gather info for GCP TargetSslProxy
gcp_compute_target_tcp_proxy module – Creates a GCP TargetTcpProxy
gcp_compute_target_tcp_proxy_info module – Gather info for GCP TargetTcpProxy
gcp_compute_target_vpn_gateway module – Creates a GCP TargetVpnGateway
gcp_compute_target_vpn_gateway_info module – Gather info for GCP TargetVpnGateway
gcp_compute_url_map module – Creates a GCP UrlMap
gcp_compute_url_map_info module – Gather info for GCP UrlMap
gcp_compute_vpn_tunnel module – Creates a GCP VpnTunnel
gcp_compute_vpn_tunnel_info module – Gather info for GCP VpnTunnel
gcp_container_cluster module – Creates a GCP Cluster
gcp_container_cluster_info module – Gather info for GCP Cluster
gcp_container_node_pool module – Creates a GCP NodePool
gcp_container_node_pool_info module – Gather info for GCP NodePool
gcp_dns_managed_zone module – Creates a GCP ManagedZone
gcp_dns_managed_zone_info module – Gather info for GCP ManagedZone
gcp_dns_resource_record_set module – Creates a GCP ResourceRecordSet
gcp_dns_resource_record_set_info module – Gather info for GCP ResourceRecordSet
gcp_filestore_instance module – Creates a GCP Instance
gcp_filestore_instance_info module – Gather info for GCP Instance
gcp_iam_role module – Creates a GCP Role
gcp_iam_role_info module – Gather info for GCP Role
gcp_iam_service_account module – Creates a GCP ServiceAccount
gcp_iam_service_account_info module – Gather info for GCP ServiceAccount
gcp_iam_service_account_key module – Creates a GCP ServiceAccountKey
gcp_kms_crypto_key module – Creates a GCP CryptoKey
gcp_kms_crypto_key_info module – Gather info for GCP CryptoKey
gcp_kms_key_ring module – Creates a GCP KeyRing

gcp_kms_key_ring_info module – Gather info for GCP KeyRing
gcp_logging_metric module – Creates a GCP Metric
gcp_logging_metric_info module – Gather info for GCP Metric
gcp_mlengine_model module – Creates a GCP Model
gcp_mlengine_model_info module – Gather info for GCP Model
gcp_mlengine_version module – Creates a GCP Version
gcp_mlengine_version_info module – Gather info for GCP Version
gcp_pubsub_subscription module – Creates a GCP Subscription
gcp_pubsub_subscription_info module – Gather info for GCP Subscription
gcp_pubsub_topic module – Creates a GCP Topic
gcp_pubsub_topic_info module – Gather info for GCP Topic
gcp_redis_instance module – Creates a GCP Instance
gcp_redis_instance_info module – Gather info for GCP Instance
gcp_resourcemanager_project module – Creates a GCP Project
gcp_resourcemanager_project_info module – Gather info for GCP Project
gcp_runtimeconfig_config module – Creates a GCP Config
gcp_runtimeconfig_config_info module – Gather info for GCP Config
gcp_runtimeconfig_variable module – Creates a GCP Variable
gcp_runtimeconfig_variable_info module – Gather info for GCP Variable
gcp_serviceusage_service module – Creates a GCP Service
gcp_serviceusage_service_info module – Gather info for GCP Service
gcp_sourcerepo_repository module – Creates a GCP Repository
gcp_sourcerepo_repository_info module – Gather info for GCP Repository
gcp_spanner_database module – Creates a GCP Database
gcp_spanner_database_info module – Gather info for GCP Database
gcp_spanner_instance module – Creates a GCP Instance
gcp_spanner_instance_info module – Gather info for GCP Instance
gcp_sql_database module – Creates a GCP Database
gcp_sql_database_info module – Gather info for GCP Database
gcp_sql_instance module – Creates a GCP Instance
gcp_sql_instance_info module – Gather info for GCP Instance
gcp_sql_ssl_cert module – Creates a GCP SslCert
gcp_sql_user module – Creates a GCP User
gcp_sql_user_info module – Gather info for GCP User
gcp_storage_bucket module – Creates a GCP Bucket
gcp_storage_bucket_access_control module – Creates a GCP BucketAccessControl
gcp_storage_default_object_acl module – Creates a GCP DefaultObjectACL
gcp_storage_object module – Creates a GCP Object
gcp_tpu_node module – Creates a GCP Node
gcp_tpu_node_info module – Gather info for GCP Node

Filter Plugins
gcp_kms_decrypt filter –
gcp_kms_encrypt filter –

Inventory Plugins
gcp_compute inventory – Google Cloud Compute Engine inventory source

Azure.Azcollection
Collection version 1.17.0
https://docs.ansible.com/ansible/latest/collections/azure/azcollection/index.html
azure_rm_account_info module – Get Azure Account facts (output of az account show)
azure_rm_adapplication module – Manage Azure Active Directory application
azure_rm_adapplication_info module – Get Azure Active Directory application info
azure_rm_adgroup module – Manage Azure Active Directory group
azure_rm_adgroup_info module – Get Azure Active Directory group info
azure_rm_adpassword module – Manage application password
azure_rm_adpassword_info module – Get application password info
azure_rm_adserviceprincipal module – Manage Azure Active Directory service principal
azure_rm_adserviceprincipal_info module – Get Azure Active Directory service principal info
azure_rm_aduser module – Modify an Azure Active Directory user
azure_rm_aduser_info module – Get Azure Active Directory user info
azure_rm_aks module – Manage a managed Azure Container Service (AKS) instance
azure_rm_aks_info module – Get Azure Kubernetes Service facts
azure_rm_aksagentpool module – Manage node pools in Kubernetes kubernetes cluster
azure_rm_aksagentpool_info module – Show the details for a node pool in the managed Kubernetes cluster
azure_rm_aksagentpoolversion_info module – Gets a list of supported versions for the specified agent pool
azure_rm_aksupgrade_info module – Get the upgrade versions available for a AKS instance
azure_rm_aksversion_info module – Get available kubernetes versions supported by Azure Kubernetes Service
azure_rm_apimanagement module – Manage Azure api instances
azure_rm_apimanagement_info module – Get the infomation of the API Instance
azure_rm_apimanagementservice module – Manage Azure ApiManagementService instance
azure_rm_apimanagementservice_info module – Get ApiManagementService info
azure_rm_appgateway module – Manage Application Gateway instance
azure_rm_appgateway_info module – Retrieve Application Gateway instance facts
azure_rm_applicationsecuritygroup module – Manage Azure Application Security Group
azure_rm_applicationsecuritygroup_info module – Get Azure Application Security Group facts
azure_rm_appserviceplan module – Manage App Service Plan
azure_rm_appserviceplan_info module – Get azure app service plan facts
azure_rm_automationaccount module – Manage Azure Automation account
azure_rm_automationaccount_info module – Get Azure automation account facts
azure_rm_automationrunbook module – Mange automation runbook
azure_rm_automationrunbook_info module – Get Azure automation runbook facts
azure_rm_autoscale module – Manage Azure autoscale setting
azure_rm_autoscale_info module – Get Azure Auto Scale Setting facts
azure_rm_availabilityset module – Manage Azure Availability Set
azure_rm_availabilityset_info module – Get Azure Availability Set facts
azure_rm_azurefirewall module – Manage Azure Firewall instance

azure_rm_azurefirewall_info module – Get AzureFirewall info
azure_rm_backupazurevm module – Back up an Azure Virtual Machine using Azure Backup
azure_rm_backupazurevm_info module – Back up an Azure Virtual Machine using Azure Backup Information
azure_rm_backuppolicy module – Manage Azure Backup Policy
azure_rm_backuppolicy_info module – Get Info on Azure Backup Policy
azure_rm_bastionhost module – Managed bastion host resource
azure_rm_bastionhost_info module – Get Azure bastion host info
azure_rm_batchaccount module – Manages a Batch Account on Azure
azure_rm_batchaccount_info module – Get the Batch Account on Azure facts
azure_rm_cdnendpoint module – Manage a Azure CDN endpoint
azure_rm_cdnendpoint_info module – Get Azure CDN endpoint facts
azure_rm_cdnprofile module – Manage a Azure CDN profile
azure_rm_cdnprofile_info module – Get Azure CDN profile facts
azure_rm_cognitivesearch module – Manage Azure Cognitive Search service
azure_rm_cognitivesearch_info module – Get Azure Cognitive Search service info
azure_rm_containerinstance module – Manage an Azure Container Instance
azure_rm_containerinstance_info module – Get Azure Container Instance facts
azure_rm_containerregistry module – Manage an Azure Container Registry
azure_rm_containerregistry_info module – Get Azure Container Registry facts
azure_rm_containerregistryreplication module – Manage Replication instance.
azure_rm_containerregistryreplication_info module – Get Replication facts.
azure_rm_containerregistrytag module – Import or delete tags in Azure Container Registry
azure_rm_containerregistrytag_info module – Get Azure Container Registry tag facts
azure_rm_containerregistrywebhook module – Manage Webhook instance.
azure_rm_containerregistrywebhook_info module – Get Webhook facts.
azure_rm_cosmosdbaccount module – Manage Azure Database Account instance
azure_rm_cosmosdbaccount_info module – Get Azure Cosmos DB Account facts
azure_rm_datafactory module – Managed data factory
azure_rm_datafactory_info module – Get data factory facts
azure_rm_datalakestore module – Manage Azure data lake store
azure_rm_datalakestore_info module – Get Azure Data Lake Store info
azure_rm_ddosprotectionplan module – Manage DDoS protection plan
azure_rm_ddosprotectionplan_info module – Get Azure DDoS protection plan
azure_rm_deployment module – Create or destroy Azure Resource Manager template deployments
azure_rm_deployment_info module – Get Azure Deployment facts
azure_rm_devtestlab module – Manage Azure DevTest Lab instance
azure_rm_devtestlab_info module – Get Azure DevTest Lab facts
azure_rm_devtestlabarmtemplate_info module – Get Azure DevTest Lab ARM Template facts
azure_rm_devtestlabartifact_info module – Get Azure DevTest Lab Artifact facts
azure_rm_devtestlabartifactsource module – Manage Azure DevTest Labs Artifacts Source instance
azure_rm_devtestlabartifactsource_info module – Get Azure DevTest Lab Artifact Source facts
azure_rm_devtestlabcustomimage module – Manage Azure DevTest Lab Custom Image instance
azure_rm_devtestlabcustomimage_info module – Get Azure DevTest Lab Custom Image facts
azure_rm_devtestlabenvironment module – Manage Azure DevTest Lab Environment instance
azure_rm_devtestlabenvironment_info module – Get Azure Environment facts
azure_rm_devtestlabpolicy module – Manage Azure Policy instance
azure_rm_devtestlabpolicy_info module – Get Azure DTL Policy facts
azure_rm_devtestlabschedule module – Manage Azure DevTest Lab Schedule instance
azure_rm_devtestlabschedule_info module – Get Azure Schedule facts
azure_rm_devtestlabvirtualmachine module – Manage Azure DevTest Lab Virtual Machine instance
azure_rm_devtestlabvirtualmachine_info module – Get Azure DevTest Lab Virtual Machine facts
azure_rm_devtestlabvirtualnetwork module – Manage Azure DevTest Lab Virtual Network instance
azure_rm_devtestlabvirtualnetwork_info module – Get Azure DevTest Lab Virtual Network facts
azure_rm_diskencryptionset module – Create, delete and update Disk encryption set
azure_rm_diskencryptionset_info module – Get disk encryption set facts
azure_rm_dnsrecordset module – Create, delete and update DNS record sets and records
azure_rm_dnsrecordset_info module – Get DNS Record Set facts
azure_rm_dnszone module – Manage Azure DNS zones
azure_rm_dnszone_info module – Get DNS zone facts
azure_rm_eventhub module – Manage Event Hub
azure_rm_eventhub_info module – Get Azure Event Hub
azure_rm_expressroute module – Manage Express Route Circuits
azure_rm_expressroute_info module – Get Azure Express Route
azure_rm_firewallpolicy module – Create, delete or update specified firewall policy.
azure_rm_firewallpolicy_info module – Get firewall policy facts
azure_rm_functionapp module – Manage Azure Function Apps
azure_rm_functionapp_info module – Get Azure Function App facts
azure_rm_gallery module – Manage Azure Shared Image Gallery instance
azure_rm_gallery_info module – Get Azure Shared Image Gallery info
azure_rm_galleryimage module – Manage Azure SIG Image instance
azure_rm_galleryimage_info module – Get Azure SIG Image info
azure_rm_galleryimageversion module – Manage Azure SIG Image Version instance
azure_rm_galleryimageversion_info module – Get Azure SIG Image Version info
azure_rm_hdinsightcluster module – Manage Azure HDInsight Cluster instance
azure_rm_hdinsightcluster_info module – Get Azure HDInsight Cluster facts
azure_rm_hostgroup module – Create, delete and update a dedicated host group
azure_rm_hostgroup_info module – Get host group facts
azure_rm_image module – Manage Azure image
azure_rm_image_info module – Get facts about azure custom images
azure_rm_iotdevice module – Manage Azure IoT hub device
azure_rm_iotdevice_info module – Facts of Azure IoT hub device
azure_rm_iotdevicemodule module – Manage Azure IoT hub device module
azure_rm_iothub module – Manage Azure IoT hub
azure_rm_iothub_info module – Get IoT Hub facts
azure_rm_iothubconsumergroup module – Manage Azure IoT hub
azure_rm_ipgroup module – Create, delete and update IP group
azure_rm_ipgroup_info module – Get IP group facts
azure_rm_keyvault module – Manage Key Vault instance
azure_rm_keyvault_info module – Get Azure Key Vault facts
azure_rm_keyvaultkey module – Use Azure KeyVault keys

azure_rm_keyvaultkey_info module – Get Azure Key Vault key facts
azure_rm_keyvaultsecret module – Use Azure KeyVault Secrets
azure_rm_keyvaultsecret_info module – Get Azure Key Vault secret facts
azure_rm_loadbalancer module – Manage Azure load balancers
azure_rm_loadbalancer_info module – Get load balancer facts
azure_rm_lock module – Manage Azure locks
azure_rm_lock_info module – Manage Azure locks
azure_rm_loganalyticsworkspace module – Manage Azure Log Analytics workspaces
azure_rm_loganalyticsworkspace_info module – Get facts of Azure Log Analytics workspaces
azure_rm_manageddisk module – Manage Azure Manage Disks
azure_rm_manageddisk_info module – Get managed disk facts
azure_rm_managementgroup module – Manage Azure ManagementGroup instance
azure_rm_managementgroup_info module – Get Azure Management Group facts
azure_rm_mariadbconfiguration module – Manage Configuration instance
azure_rm_mariadbconfiguration_info module – Get Azure MariaDB Configuration facts
azure_rm_mariadbdatabase module – Manage MariaDB Database instance
azure_rm_mariadbdatabase_info module – Get Azure MariaDB Database facts
azure_rm_mariadbfirewallrule module – Manage MariaDB firewall rule instance
azure_rm_mariadbfirewallrule_info module – Get Azure MariaDB Firewall Rule facts
azure_rm_mariadbserver module – Manage MariaDB Server instance
azure_rm_mariadbserver_info module – Get Azure MariaDB Server facts
azure_rm_monitordiagnosticsetting module – Create, update, or manage Azure Monitor diagnostic settings.
azure_rm_monitordiagnosticsetting_info module – Get Azure Monitor diagnostic setting facts.
azure_rm_monitorlogprofile module – Manage Azure Monitor log profile
azure_rm_multiplemanageddisks module – Manage Multiple Azure Manage Disks
azure_rm_mysqlconfiguration module – Manage Configuration instance
azure_rm_mysqlconfiguration_info module – Get Azure MySQL Configuration facts
azure_rm_mysqldatabase module – Manage MySQL Database instance
azure_rm_mysqldatabase_info module – Get Azure MySQL Database facts
azure_rm_mysqlfirewallrule module – Manage MySQL firewall rule instance
azure_rm_mysqlfirewallrule_info module – Get Azure MySQL Firewall Rule facts
azure_rm_mysqlserver module – Manage MySQL Server instance
azure_rm_mysqlserver_info module – Get Azure MySQL Server facts
azure_rm_natgateway module – Manage Azure NAT Gateway instance
azure_rm_natgateway_info module – Retrieve NAT Gateway instance facts
azure_rm_networkinterface module – Manage Azure network interfaces
azure_rm_networkinterface_info module – Get network interface facts
azure_rm_notificationhub module – Manage Notification Hub
azure_rm_notificationhub_info module – Get Azure Notification Hub
azure_rm_openshiftmanagedcluster module – Manage Azure Red Hat OpenShift Managed Cluster instance
azure_rm_openshiftmanagedcluster_info module – Get Info onf Azure Red Hat OpenShift Managed Cluster
azure_rm_postgresqlconfiguration module – Manage Azure PostgreSQL Configuration
azure_rm_postgresqlconfiguration_info module – Get Azure PostgreSQL Configuration facts
azure_rm_postgresqldatabase module – Manage PostgreSQL Database instance
azure_rm_postgresqldatabase_info module – Get Azure PostgreSQL Database facts
azure_rm_postgresqlfirewallrule module – Manage PostgreSQL firewall rule instance
azure_rm_postgresqlfirewallrule_info module – Get Azure PostgreSQL Firewall Rule facts
azure_rm_postgresqlserver module – Manage PostgreSQL Server instance
azure_rm_postgresqlserver_info module – Get Azure PostgreSQL Server facts
azure_rm_privatednsrecordset module – Create, delete and update Private DNS record sets and records
azure_rm_privatednsrecordset_info module – Get Private DNS Record Set facts
azure_rm_privatednszone module – Manage Azure private DNS zones
azure_rm_privatednszone_info module – Get private DNS zone facts
azure_rm_privatednszonelink module – Create, delete and update Virtual network link for Private DNS zone
azure_rm_privatednszonelink_info module – Get Virtual Network link facts for private DNS zone
azure_rm_privateendpoint module – Manage Azure private endpoint
azure_rm_privateendpoint_info module – Get private endpoints info
azure_rm_privateendpointconnection module – Managed private endpoint connection
azure_rm_privateendpointconnection_info module – Get private endpoint connection info
azure_rm_privateendpointdnszonegroup module – Create, update, or manage private endpoint DNS zone groups.
azure_rm_privateendpointdnszonegroup_info module – Get private endpoint DNS zone group info.
azure_rm_privatelinkservice module – Managed private link service resource
azure_rm_privatelinkservice_info module – Get private endpoint connection info
azure_rm_proximityplacementgroup module – Create, delete and update proximity placement group
azure_rm_proximityplacementgroup_info module – Get proximity placement group facts
azure_rm_publicipaddress module – Manage Azure Public IP Addresses
azure_rm_publicipaddress_info module – Get public IP facts
azure_rm_recoveryservicesvault module – Create and Delete Azure Recovery Services vault
azure_rm_recoveryservicesvault_info module – Get Azure Recovery Services vault Details
azure_rm_rediscache module – Manage Azure Cache for Redis instance
azure_rm_rediscache_info module – Get Azure Cache for Redis instance facts
azure_rm_rediscachefirewallrule module – Manage Azure Cache for Redis Firewall rules
azure_rm_registrationassignment module – Manage Azure RegistrationAssignment instance
azure_rm_registrationassignment_info module – Get RegistrationAssignment info
azure_rm_registrationdefinition module – Manage Azure RegistrationDefinition instance
azure_rm_registrationdefinition_info module – Get RegistrationDefinition info
azure_rm_resource module – Create any Azure resource
azure_rm_resource_info module – Generic facts of Azure resources
azure_rm_resourcegroup module – Manage Azure resource groups
azure_rm_resourcegroup_info module – Get resource group facts
azure_rm_roleassignment module – Manage Azure Role Assignment
azure_rm_roleassignment_info module – Gets Azure Role Assignment facts
azure_rm_roledefinition module – Manage Azure Role Definition
azure_rm_roledefinition_info module – Get Azure Role Definition facts
azure_rm_route module – Manage Azure route resource
azure_rm_route_info module – Get Route info
azure_rm_routetable module – Manage Azure route table resource
azure_rm_routetable_info module – Get route table facts
azure_rm_securitygroup module – Manage Azure network security groups
azure_rm_securitygroup_info module – Get security group facts

azure_rm_servicebus module – Manage Azure Service Bus
azure_rm_servicebus_info module – Get servicebus facts
azure_rm_servicebusqueue module – Manage Azure Service Bus queue
azure_rm_servicebussaspolicy module – Manage Azure Service Bus SAS policy
azure_rm_servicebustopic module – Manage Azure Service Bus
azure_rm_servicebustopicsubscription module – Manage Azure Service Bus subscription
azure_rm_snapshot module – Manage Azure Snapshot instance
azure_rm_sqldatabase module – Manage SQL Database instance
azure_rm_sqldatabase_info module – Get Azure SQL Database facts
azure_rm_sqlelasticpool module – Manage SQL Elastic Pool instance
azure_rm_sqlelasticpool_info module – Get Azure SQL Elastic Pool facts
azure_rm_sqlfirewallrule module – Manage Firewall Rule instance
azure_rm_sqlfirewallrule_info module – Get Azure SQL Firewall Rule facts
azure_rm_sqlmanagedinstance module – Manage SQL managed instances
azure_rm_sqlmanagedinstance_info module – Get Azure SQL managed instance facts
azure_rm_sqlserver module – Manage SQL Server instance
azure_rm_sqlserver_info module – Get SQL Server facts
azure_rm_storageaccount module – Manage Azure storage accounts
azure_rm_storageaccount_info module – Get storage account facts
azure_rm_storageblob module – Manage blob containers and blob objects
azure_rm_storageshare module – Manage Azure storage file share
azure_rm_storageshare_info module – Get Azure storage file share info
azure_rm_subnet module – Manage Azure subnets
azure_rm_subnet_info module – Get Azure Subnet facts
azure_rm_subscription_info module – Get Azure Subscription facts
azure_rm_trafficmanager module – Manage a Traffic Manager profile.
azure_rm_trafficmanagerendpoint module – Manage Azure Traffic Manager endpoint
azure_rm_trafficmanagerendpoint_info module – Get Azure Traffic Manager endpoint facts
azure_rm_trafficmanagerprofile module – Manage Azure Traffic Manager profile
azure_rm_trafficmanagerprofile_info module – Get Azure Traffic Manager profile facts
azure_rm_virtualhub module – Manage Azure VirtualHub instance
azure_rm_virtualhub_info module – Get VirtualHub info
azure_rm_virtualhubconnection module – Manage Azure VirtualHub instance
azure_rm_virtualhubconnection_info module – Get VirtualHub info
azure_rm_virtualmachine module – Manage Azure virtual machines
azure_rm_virtualmachine_info module – Get virtual machine facts
azure_rm_virtualmachineextension module – Managed Azure Virtual Machine extension
azure_rm_virtualmachineextension_info module – Get Azure Virtual Machine Extension facts
azure_rm_virtualmachineimage_info module – Get virtual machine image facts
azure_rm_virtualmachinescaleset module – Manage Azure virtual machine scale sets
azure_rm_virtualmachinescaleset_info module – Get Virtual Machine Scale Set facts
azure_rm_virtualmachinescalesetextension module – Manage Azure Virtual Machine Scale Set (VMSS) extensions
azure_rm_virtualmachinescalesetextension_info module – Get Azure Virtual Machine Scale Set Extension facts
azure_rm_virtualmachinescalesetinstance module – Get Azure Virtual Machine Scale Set Instance facts
azure_rm_virtualmachinescalesetinstance_info module – Get Azure Virtual Machine Scale Set Instance facts
azure_rm_virtualmachinesize_info module – Get facts for virtual machine sizes
azure_rm_virtualnetwork module – Manage Azure virtual networks
azure_rm_virtualnetwork_info module – Get virtual network facts
azure_rm_virtualnetworkgateway module – Manage Azure virtual network gateways
azure_rm_virtualnetworkpeering module – Manage Azure Virtual Network Peering
azure_rm_virtualnetworkpeering_info module – Get facts of Azure Virtual Network Peering
azure_rm_virtualwan module – Manage Azure VirtualWan instance
azure_rm_virtualwan_info module – Get VirtualWan info
azure_rm_vmbackuppolicy module – Create or Delete Azure VM Backup Policy
azure_rm_vmbackuppolicy_info module – Fetch Backup Policy Details
azure_rm_vmssnetworkinterface_info module – Get information about network interface in virtul machine scale
azure_rm_vpnsite module – Manage Azure VpnSite instance
azure_rm_vpnsite_info module – Get VpnSite info
azure_rm_vpnsitelink_info module – Get VpnSiteLink info
azure_rm_webapp module – Manage Web App instances
azure_rm_webapp_info module – Get Azure web app facts
azure_rm_webappaccessrestriction module – Manage web app network access restrictions
azure_rm_webappaccessrestriction_info module – Retrieve web app network access restriction facts
azure_rm_webappslot module – Manage Azure Web App slot
azure_rm_webappvnetconnection module – Manage web app virtual network connection
azure_rm_webappvnetconnection_info module – Get Azure web app virtual network connection facts

Inventory Plugins
azure_rm inventory – Azure Resource Manager inventory plugin

Lookup Plugins
azure_keyvault_secret lookup – Read secret from Azure Key Vault.

Junipernetworks.Junos
Collection version 5.3.0
https://docs.ansible.com/ansible/latest/collections/junipernetworks/junos/index.html
junos_acl_interfaces module – ACL interfaces resource module
junos_acls module – ACLs resource module
junos_banner module – Manage multiline banners on Juniper JUNOS devices
junos_bgp_address_family module – Manage BGP Address Family attributes of interfaces on Junos devices.
junos_bgp_global module – Manages BGP Global configuration on devices running Juniper JUNOS.
junos_command module – Run arbitrary commands on an Juniper JUNOS device
junos_config module – Manage configuration on devices running Juniper JUNOS
junos_facts module – Collect facts from remote devices running Juniper Junos
junos_hostname module – Manage Hostname server configuration on Junos devices.
junos_interfaces module – Junos Interfaces resource module
junos_l2_interfaces module – L2 interfaces resource module
junos_l3_interfaces module – L3 interfaces resource module

junos_lacp module – Global Link Aggregation Control Protocol (LACP) Junos resource module
junos_lacp_interfaces module – LACP interfaces resource module
junos_lag_interfaces module – Link Aggregation Juniper JUNOS resource module
junos_lldp_global module – LLDP resource module
junos_lldp_interfaces module – LLDP interfaces resource module
junos_logging module – Manage logging on network devices
junos_logging_global module – Manage logging configuration on Junos devices.
junos_netconf module – Configures the Junos Netconf system service
junos_ntp_global module – Manage NTP configuration on Junos devices.
junos_ospf_interfaces module – OSPF Interfaces Resource Module.
junos_ospfv2 module – OSPFv2 resource module
junos_ospfv3 module – OSPFv3 resource module
junos_package module – Installs packages on remote devices running Junos
junos_ping module – Tests reachability using ping from devices running Juniper JUNOS
junos_prefix_lists module – Manage prefix-lists attributes of interfaces on Junos devices.
junos_routing_instances module – Manage routing instances on Junos devices.
junos_routing_options module – Manage routing-options configuration on Junos devices.
junos_rpc module – Runs an arbitrary RPC over NetConf on an Juniper JUNOS device
junos_scp module – Transfer files from or to remote devices running Junos
junos_security_policies module – Create and manage security policies on Juniper JUNOS devices
junos_security_policies_global module – Manage global security policy settings on Juniper JUNOS devices
junos_security_zones module – Manage security zones on Juniper JUNOS devices
junos_snmp_server module – Manage SNMP server configuration on Junos devices.
junos_static_routes module – Static routes resource module
junos_system module – Manage the system attributes on Juniper JUNOS devices
junos_user module – Manage local user accounts on Juniper JUNOS devices
junos_vlans module – VLANs resource module
junos_vrf module – Manage the VRF definitions on Juniper JUNOS devices

Cliconf Plugins
junos cliconf – Use junos cliconf to run command on Juniper Junos OS platform

Netconf Plugins
junos netconf – Use junos netconf plugin to run netconf commands on Juniper JUNOS platform

Cisco.Ios
Collection version 4.6.1
https://docs.ansible.com/ansible/latest/collections/cisco/ios/index.html
ios_acl_interfaces module – Resource module to configure ACL interfaces.
ios_acls module – Resource module to configure ACLs.
ios_banner module – Module to configure multiline banners.
ios_bgp module – Module to configure BGP protocol settings.
ios_bgp_address_family module – Resource module to configure BGP Address family.
ios_bgp_global module – Resource module to configure BGP.
ios_command module – Module to run commands on remote devices.
ios_config module – Module to manage configuration sections.
ios_facts module – Module to collect facts from remote devices.
ios_hostname module – Resource module to configure hostname.
ios_interfaces module – Resource module to configure interfaces.
ios_l2_interfaces module – Resource module to configure L2 interfaces.
ios_l3_interfaces module – Resource module to configure L3 interfaces.
ios_lacp module – Resource module to configure LACP.
ios_lacp_interfaces module – Resource module to configure LACP interfaces.
ios_lag_interfaces module – Resource module to configure LAG interfaces.
ios_linkagg module – Module to configure link aggregation groups.
ios_lldp module – (deprecated, removed after 2024-06-01) Manage LLDP configuration on Cisco IOS network devices.
ios_lldp_global module – Resource module to configure LLDP.
ios_lldp_interfaces module – Resource module to configure LLDP interfaces.
ios_logging module – (deprecated, removed after 2023-06-01) Manage logging on network devices
ios_logging_global module – Resource module to configure logging.
ios_ntp module – (deprecated, removed after 2024-01-01) Manages core NTP configuration.
ios_ntp_global module – Resource module to configure NTP.
ios_ospf_interfaces module – Resource module to configure OSPF interfaces.
ios_ospfv2 module – Resource module to configure OSPFv2.
ios_ospfv3 module – Resource module to configure OSPFv3.
ios_ping module – Tests reachability using ping from IOS switch.
ios_prefix_lists module – Resource module to configure prefix lists.
ios_route_maps module – Resource module to configure route maps.
ios_service module – Resource module to configure service.
ios_snmp_server module – Resource module to configure snmp server.
ios_static_routes module – Resource module to configure static routes.
ios_system module – Module to manage the system attributes.
ios_user module – Module to manage the aggregates of local users.
ios_vlans module – Resource module to configure VLANs.
ios_vrf module – Module to configure VRF definitions.

Cliconf Plugins
ios cliconf – Use ios cliconf to run command on Cisco IOS platform