Ansible 2.10 Porting Guide

Warning

In Ansible 2.10, many plugins and modules have migrated to Collections on Ansible Galaxy. Your playbooks should continue to work without any changes. We recommend you start using the fully-qualified collection name (FQCN) in your playbooks as the explicit and authoritative indicator of which collection to use as some collections may contain duplicate module names. You can search the index of all modules to find the collection a module has been relocated to.

This section discusses the behavioral changes between Ansible 2.9 and Ansible 2.10.

It is intended to assist in updating your playbooks, plugins and other parts of your Ansible infrastructure so they will work with this version of Ansible.

We suggest you read this page along with the Ansible Changelog for 2.10 to understand what updates you may need to make.

Since 2.10, Ansible consists of two parts:

- ansible-base, which includes the command line tools with a small selection of plugins and modules, and
- a set of collections.

The ref: porting 2.10 guide base is included in this porting guide. The complete list of porting guides can be found at ref: porting guides cporting guides.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\porting_guides\((ansible-devel)(docs)(docsite)(rst)(porting_guides) porting_guide 2.10.rst, line 25); backlink

Unknown interpreted text role 'ref'.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\porting_guides\((ansible-devel)(docs)(docsite)(rst)(porting_guides)(porting_guides); backlink

Unknown interpreted text role 'ref'.

- Playbook
- Command Line
- Deprecated
- Modules
 - Noteworthy module changes
- Plugins
 - Lookup plugin names case-sensitivity
 - Noteworthy plugin changes
 - Action plugins which execute modules should use fully-qualified module names
- Porting custom scripts
- Porting Guide for v2.10.7
 - Breaking Changes
 - Major Changes
 - Deprecated Features
- Porting Guide for v2.10.6
 - Major Changes
- Porting Guide for v2.10.5
 - Breaking Changes
 - Major Changes
 - Deprecated Features
- Porting Guide for v2.10.4
 - Breaking Changes
 - Major Changes
 - Removed Features
 - Deprecated Features
- Porting Guide for v2.10.2
 - Breaking Changes
 - Major Changes
 - Removed Features

- Deprecated Features
- Porting Guide for v2.10.1
 - Major Changes
 - Deprecated Features
- Porting Guide for v2.10.0
 - Known Issues
 - Breaking Changes
 - Major Changes
 - Removed Features
 - Deprecated Features

Playbook

- Fixed a bug on boolean keywords that made random strings return 'False', now they should return an error if they are not a proper boolean Example: diff: yes-was returning False.
- A new fact, ansible_processor_nproc reflects the number of vcpus available to processes (falls back to the number of vcpus available to the scheduler).

Command Line

• The ansible-galaxy login command has been removed, as the underlying API it used for GitHub auth is being shut down. Publishing roles or collections to Galaxy via ansible-galaxy now requires that a Galaxy API token be passed to the CLI via a token file (default location ~/.ansible/galaxy_token) or (insecurely) via the --token argument to ansible-galaxy.

Deprecated

• Windows Server 2008 and 2008 R2 will no longer be supported or tested in the next Ansible release, see ref: windows faq server 2008.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\porting_guides\((ansible-devel)\) (docs) (docsite) (rst) (porting_guides) porting_guide_2.10.rst, line 53); backlink

Unknown interpreted text role 'ref'.

Modules

Warning

Links on this page may not point to the most recent versions of modules. We will update them when we can.

- Version 2.10.0 of ansible-base changed the default mode of file-based tasks to 00600 & ~umask when the user did not specify a mode parameter on file-based tasks. This was in response to a CVE report which we have reconsidered. As a result, the mode change has been reverted in 2.10.1, and mode will now default to 00666 & ~umask as in previous versions of Ansible.
- If you changed any tasks to specify less restrictive permissions while using 2.10.0, those changes will be unnecessary (but will do no harm) in 2.10.1.
- To avoid the issue raised in CVE-2020-1736, specify a mode parameter in all file-based tasks that accept it.
- dnf and yum As of version 2.10.1, the dnf module (and yum action when it uses dnf) now correctly validates GPG signatures of packages (CVE-2020-14365). If you see an error such as Failed to validate GPG signature for [package name], please ensure that you have imported the correct GPG key for the DNF repository and/or package you are using. One way to do this is with the rpm_key module. Although we discourage it, in some cases it may be necessary to disable the GPG check. This can be done by explicitly adding disable_gpg_check: yes in your dnf or yum task.

Noteworthy module changes

- Ansible modules created with add_file_common_args=True added a number of undocumented arguments which were mostly there to ease implementing certain action plugins. The undocumented arguments src, follow, force, content, backup, remote_src, regexp, delimiter, and directory_mode are now no longer added. Modules relying on these options to be added need to specify them by themselves.
- Ansible no longer looks for Python modules in the current working directory (typically the remote_user's home directory)
 when an Ansible module is run. This is to fix becoming an unprivileged user on OpenBSD and to mitigate any attack vector if
 the current working directory is writable by a malicious user. Install any Python modules needed to run the Ansible modules on
 the managed node in a system-wide location or in another directory which is in the remote user's \$PYTHONPATH and

Plugins

Lookup plugin names case-sensitivity

Prior to Ansible 2.10 lookup plugin names passed in as an argument to the lookup() function were treated as case-insensitive as opposed to lookups invoked via with_<lookup_name>. 2.10 brings consistency to lookup() and with_to be both case-sensitive.

Noteworthy plugin changes

- Cache plugins in collections can be used to cache data from inventory plugins. Previously, cache plugins in collections could
 only be used for fact caching.
- Some undocumented arguments from FILE_COMMON_ARGUMENTS have been removed; plugins using these, in particular action plugins, need to be adjusted. The undocumented arguments which were removed are src, follow, force, content, backup, remote_src, regexp, delimiter, and directory_mode.

Action plugins which execute modules should use fully-qualified module names

• Action plugins that call modules should pass explicit, fully-qualified module names to <code>_execute_module()</code> whenever possible (eg, <code>ansible.builtin.file</code> rather than <code>file</code>). This ensures that the task's collection search order is not consulted to resolve the module. Otherwise, a module from a collection earlier in the search path could be used when not intended.

Porting custom scripts

No notable changes

Porting Guide for v2.10.7

Breaking Changes

community.general

• utm_proxy_auth_profile - the frontend_cookie_secret return value now contains a placeholder string instead of the module's frontend_cookie_secret parameter (https://github.com/ansible-collections/community.general/pull/1736).

Major Changes

• Restricting the version of the community.okd collection to 1.0.0. The previously included version, 1.0.1, had a dependency on kubernetes.core and thus required the installation of an additional collection that was not included in Ansible 2.10. Version 1.0.0 is essentially identical to 1.0.1, except that it uses community.kubernetes, which is included in Ansible 2.10.

ovirt.ovirt

• ovirt system option info - Add new module (https://github.com/oVirt/ovirt-ansible-collection/pull/206).

servicenow.servicenow

- add new tests (find with no result, search many)
- add related tests
- add support for ServiceNOW table api display value exclude reference link and suppress pagination header
- use new API for pysnow >= 0.6.0

Deprecated Features

cisco.nxos

• Deprecated nxos bgp and nxos bgp neighbor modules in favor of nxos bgp global resource module.

community.vmware

• vmware_host_firewall_manager - the creation of new rule with no allowed_ip entry in the allowed_hosts dictionary won't be allowed after 2.0.0 release.

Porting Guide for v2.10.6

Major Changes

community.general

• For community general 2.0.0, the kubevirt modules will be moved to the community kubevirt collection. A redirection will be inserted so that users using ansible-base 2.10 or newer do not have to change anything.

If you use Ansible 2.9 and explicitly use kubevirt modules from this collection, you will need to adjust your playbooks and roles to use FQCNs starting with community.kubevirt. instead of community.general., for example replace community.general.kubevirt vm in a task by community.kubevirt.kubevirt vm.

If you use ansible-base and installed <code>community.general</code> manually and rely on the kubevirt modules, you have to make sure to install the <code>community.kubevirt</code> collection as well. If you are using FQCNs, for example <code>community.general.kubevirt_vm</code> instead of <code>kubevirt_vm</code>, it will continue working, but we still recommend to adjust the FQCNs as well.

community.network

• For community.network 2.0.0, the Cisco NSO modules will be moved to the cisco.nso collection. A redirection will be inserted so that users using ansible-base 2.10 or newer do not have to change anything.

If you use Ansible 2.9 and explicitly use Cisco NSO modules from this collection, you will need to adjust your playbooks and roles to use FQCNs starting with cisco.nso. instead of community.network., for example replace community.network.nso config in a task by cisco.nso.nso config.

If you use ansible-base and installed <code>community.network</code> manually and rely on the Cisco NSO modules, you have to make sure to install the <code>cisco.nso</code> collection as well. If you are using FQCNs, for example <code>community.network.nso_config</code> instead of <code>nso_config</code>, it will continue working, but we still recommend to adjust the FQCNs as well.

• For community network 2.0.0, the FortiOS modules will be moved to the community fortios collection. A redirection will be inserted so that users using ansible-base 2.10 or newer do not have to change anything.

If you use Ansible 2.9 and explicitly use FortiOS modules from this collection, you will need to adjust your playbooks and roles to use FQCNs starting with community.fortios. instead of community.network., for example replace community.network.fmgr device in a task by community.fortios.fmgr device.

If you use ansible-base and installed <code>community.network</code> manually and rely on the FortiOS modules, you have to make sure to install the <code>community.fortios</code> collection as well. If you are using FQCNs, for example <code>community.network.fmgr_device</code> instead of <code>fmgr_device</code>, it will continue working, but we still recommend to adjust the FQCNs as well.

f5networks.f5 modules

- Added async timeout parameter to bigip ucs fetch module to allow customization of module wait for async interface
- Changed bigip ucs fetch module to use asynchronous interface when generating UCS files

Porting Guide for v2.10.5

Breaking Changes

community.hashi vault

• hashi_vault - the VAULT_ADDR environment variable is now checked last for the url parameter. For details on which use cases are impacted, see (https://github.com/ansible-collections/community.hashi vault/issues/8).

Major Changes

community.general

• For community.general 2.0.0, the Google modules will be moved to the community.google collection. A redirection will be inserted so that users using ansible-base 2.10 or newer do not have to change anything.

If you use Ansible 2.9 and explicitly use Google modules from this collection, you will need to adjust your playbooks and roles to use FQCNs starting with community.google. instead of community.general., for example replace community.general.gcpubsub in a task by community.google.gcpubsub.

If you use ansible-base and installed <code>community.general</code> manually and rely on the Google modules, you have to make sure to install the <code>community.google</code> collection as well. If you are using FQCNs, for example <code>community.general.gcpubsub</code> instead of <code>gcpubsub</code>, it will continue working, but we still recommend to adjust the FQCNs as well.

• For community.general 2.0.0, the OC connection plugin will be moved to the community.okd collection. A redirection will be inserted so that users using ansible-base 2.10 or newer do not have to change anything.

If you use Ansible 2.9 and explicitly use OC connection plugin from this collection, you will need to adjust your playbooks and roles to use FQCNs community.okd.oc instead of community.general.oc.

If you use ansible-base and installed <code>community.general</code> manually and rely on the OC connection plugin, you have to make sure to install the <code>community.okd</code> collection as well. If you are using FQCNs, in other words <code>community.general.oc</code> instead of <code>oc</code>, it will continue working, but we still recommend to adjust this FQCN as well.

• For community.general 2.0.0, the hashi_vault lookup plugin will be moved to the community.hashi_vault collection. A redirection will be inserted so that users using ansible-base 2.10 or newer do not have to change anything.

If you use Ansible 2.9 and explicitly use hashi_vault lookup plugin from this collection, you will need to adjust your playbooks and roles to use FQCNs community.hashi vault.hashi vault instead of community.general.hashi vault.

If you use ansible-base and installed <code>community.general</code> manually and rely on the hashi_vault lookup plugin, you have to make sure to install the <code>community.hashi_vault</code> collection as well. If you are using FQCNs, in other words <code>community.general.hashi_vault</code> instead of <code>hashi_vault</code>, it will continue working, but we still recommend to adjust this FQCN as well.

netbox.netbox

- nb_inventory Add dns_name option that adds dns_name to the host when True and device has a primary IP address. (#394)
- nb_inventory Add status as a group by option. (398)
- nb_inventory Move around extracted_primary_ip to allow for config_context or custom_field to overwrite. (#377)
- nb inventory Services are now a list of integers due to NetBox 2.10 changes. (#396)
- nb_lookup Allow ID to be passed in and use .get instead of .filter. (#376)
- nb_lookup Allow api_endpoint and token to be found via env. (#391)

Deprecated Features

community.aws

• ec2_vpc_igw_info - After 2022-06-22 the convert_tags parameter default value will change from False to True to match the collection standard behavior (https://github.com/ansible-collections/community.aws/pull/318).

community.docker

• docker_container - currently published_ports can contain port mappings next to the special value all, in which case the port mappings are ignored. This behavior is deprecated for community.docker 2.0.0, at which point it will either be forbidden, or this behavior will be properly implemented similar to how the Docker CLI tool handles this (https://github.com/ansible-collections/community.docker/sues/8, https://github.com/ansible-collections/community.docker/pull/60).

community.hashi_vault

- hashi_vault VAULT_ADDR environment variable for option url will have its precedence lowered in 1.0.0; use
 ANSIBLE_HASHI_VAULT_ADDR to intentionally override a config value (https://github.com/ansible-collections/community.hashi_vault/issues/8).
- hashi_vault VAULT_AUTH_METHOD environment variable for option auth_method will be removed in 2.0.0, use ANSIBLE_HASHI_VAULT_AUTH_METHOD instead (https://github.com/ansible-collections/community.hashi_vault/issues/17).
- hashi_vault VAULT_ROLE_ID environment variable for option role_id will be removed in 2.0.0, use ANSIBLE_HASHI_VAULT_ROLE_ID instead (https://github.com/ansible-collections/community.hashi_vault/issues/20).
- hashi_vault VAULT_SECRET_ID environment variable for option secret_id will be removed in 2.0.0, use ANSIBLE_HASHI_VAULT_SECRET_ID instead (https://github.com/ansible-collections/community.hashi_vault/issues/20).
- hashi_vault VAULT_TOKEN_FILE environment variable for option token_file will be removed in 2.0.0, use ANSIBLE_HASHI_VAULT_TOKEN_FILE instead (https://github.com/ansible-collections/community.hashi_vault/issues/15).
- hashi_vault VAULT_TOKEN_PATH environment variable for option token_path will be removed in 2.0.0, use ANSIBLE_HASHI_VAULT_TOKEN_PATH instead (https://github.com/ansible-collections/community.hashi_vault/issues/15).

Porting Guide for v2.10.4

Breaking Changes

community.hrobot

firewall - now requires the ipaddress library (https://github.com/ansible-collections/community.hrobot/pull/2).

Major Changes

community.general

• For community general 2.0.0, the Hetzner Robot modules will be moved to the community hrobot collection. A redirection will

be inserted so that users using ansible-base 2.10 or newer do not have to change anything.

If you use Ansible 2.9 and explicitly use Hetzner Robot modules from this collection, you will need to adjust your playbooks and roles to use FQCNs starting with community.hrobot.instead of community.general.hetzner_, for example replace community.general.hetzner firewall info in a task by community.hrobot.firewall info.

If you use ansible-base and installed <code>community.general</code> manually and rely on the Hetzner Robot modules, you have to make sure to install the <code>community.hrobot</code> collection as well. If you are using FQCNs, i.e. <code>community.general.hetzner_failover_ip</code> instead of <code>hetzner_failover_ip</code>, it will continue working, but we still recommend to adjust the FQCNs as well.

• For community general 2.0.0, the docker modules and plugins will be moved to the community docker collection. A redirection will be inserted so that users using ansible-base 2.10 or newer do not have to change anything.

If you use Ansible 2.9 and explicitly use <code>docker</code> content from this collection, you will need to adjust your playbooks and roles to use FQCNs starting with <code>community.docker.instead</code> of <code>community.general.</code>, for example replace <code>community.general.docker</code> container in a task by <code>community.docker.docker</code> container.

If you use ansible-base and installed <code>community.general</code> manually and rely on the <code>docker</code> content, you have to make sure to install the <code>community.docker</code> collection as well. If you are using FQCNs, i.e. <code>community.general.docker_container</code> instead of <code>docker_container</code>, it will continue working, but we still recommend to adjust the FQCNs as well.

• For community.general 2.0.0, the postgresql modules and plugins will be moved to the community.postgresql collection. A redirection will be inserted so that users using ansible-base 2.10 or newer do not have to change anything.

If you use Ansible 2.9 and explicitly use <code>postgresql</code> content from this collection, you will need to adjust your playbooks and roles to use FQCNs starting with <code>community.postgresql</code>. instead of <code>community.general.</code>, for example replace <code>community.general.postgresql</code> info in a task by <code>community.postgresql.postgresql</code> info.

If you use ansible-base and installed <code>community.general</code> manually and rely on the <code>postgresql</code> content, you have to make sure to install the <code>community.postgresql</code> collection as well. If you are using FQCNs, i.e. <code>community.general.postgresql_info</code> instead of <code>postgresql_info</code>, it will continue working, but we still recommend to adjust the FQCNs as well.

The community.general collection no longer depends on the ansible.posix collection (https://github.com/ansible-collections/community.general/pull/1157).

community.network

• For community.network 2.0.0, the routeros modules and plugins will be moved to the community.routeros collection. A redirection will be inserted so that users using ansible-base 2.10 or newer do not have to change anything.

If you use Ansible 2.9 and explicitly use routeros content from this collection, you will need to adjust your playbooks and roles to use FQCNs starting with community.routeros. instead of community.network.routeros_, for example replace community.network.routeros api in a task by community.routeros.api.

If you use ansible-base and installed <code>community.network</code> manually and rely on the <code>routeros</code> content, you have to make sure to install the <code>community.routeros</code> collection as well. If you are using FQCNs, i.e. <code>community.network.routeros_command</code> instead of <code>routeros_command</code>, it will continue working, but we still recommend to adjust the FQCNs as well.

• In community.network 2.0.0, the fortimanager httpapi plugin will be removed and replaced by a redirect to the corresponding plugin in the fortios.fortimanager collection. For Ansible 2.10 and ansible-base 2.10 users, this means that it will continue to work assuming that collection is installed. For Ansible 2.9 users, this means that they have to adjust the FQCN from community.network.fortimanager to fortios.fortimanager.fortimanager (https://github.com/ansible-collections/community.network/pull/151).

community.okd

- Add custom k8s module, integrate better Molecule tests (https://github.com/ansible-collections/community.okd/pull/7).
- Add downstream build scripts to build redhat.openshift (https://github.com/ansible-collections/community.okd/pull/20).
- Add openshift connection plugin, update inventory plugin to use it (https://github.com/ansible-collections/community.okd/pull/18).
- Add openshift_process module for template rendering and optional application of rendered resources (https://github.com/ansible-collections/community.okd/pull/44).
- Add openshift route module for creating routes from services (https://github.com/ansible-collections/community.okd/pull/40).
- Initial content migration from community.kubernetes (https://github.com/ansible-collections/community.okd/pull/3).
- openshift_auth new module (migrated from k8s_auth in community.kubernetes) (https://github.com/ansible-collections/community.okd/pull/33).

Removed Features

community.docker

- docker_container no longer returns ansible facts (https://github.com/ansible-collections/community.docker/pull/1).
- docker_container the default of networks_cli_compatible changed to true (https://github.com/ansible-collections/community.docker/pull/1).
- docker_container the unused option trust_image_content has been removed (https://github.com/ansible-collections/community.docker/pull/1).
- docker_image state=build has been removed. Use present instead (https://github.com/ansible-collections/community.docker/pull/1).
- docker_image the container_limits, dockerfile, http_timeout, nocache, rm, path, buildargs, pull have been removed. Use the corresponding suboptions of build instead (https://github.com/ansible-collections/community.docker/pull/1).
- docker_image the force option has been removed. Use the more specific force_* options instead (https://github.com/ansible-collections/community.docker/pull/1).
- docker image the source option is now mandatory (https://github.com/ansible-collections/community.docker/pull/1).
- docker_image the use_tls option has been removed. Use tls and validate_certs instead (https://github.com/ansible-collections/community.docker/pull/1).
- docker_image the default of the build.pull option changed to false (https://github.com/ansible-collections/community.docker/pull/1).
- docker_image_facts this alias is on longer available, use docker_image_info instead (https://github.com/ansible-collections/community.docker/pull/1).
- docker_network no longer returns ansible facts (https://github.com/ansible-collections/community.docker/pull/1).
- docker_network the ipam_options option has been removed. Use ipam_config instead (https://github.com/ansible-collections/community.docker/pull/1).
- docker_service no longer returns ansible_facts (https://github.com/ansible-collections/community.docker/pull/1).
- docker_swarm state=inspect has been removed. Use docker_swarm_info instead (https://github.com/ansible-collections/community.docker/pull/1).
- docker_swarm_service the constraints option has been removed. Use placement.constraints instead (https://github.com/ansible-collections/community.docker/pull/1).
- docker_swarm_service the limit_cpu and limit_memory options has been removed. Use the corresponding suboptions in limits instead (https://github.com/ansible-collections/community.docker/pull/1).
- docker_swarm_service the log_driver and log_driver_options options has been removed. Use the corresponding suboptions in logging instead (https://github.com/ansible-collections/community.docker/pull/1).
- docker_swarm_service the reserve_cpu and reserve_memory options has been removed. Use the corresponding suboptions in reservations instead (https://github.com/ansible-collections/community.docker/pull/1).
- docker_swarm_service the restart_policy, restart_policy_attempts, restart_policy_delay and restart_policy_window options has been removed. Use the corresponding suboptions in restart_config instead (https://github.com/ansible-collections/community.docker/pull/1).
- docker_swarm_service the update_delay, update_parallelism, update_failure_action, update_monitor, update_max_failure_ratio and update_order options has been removed. Use the corresponding suboptions in update_config instead (https://github.com/ansible-collections/community.docker/pull/1).
- docker volume no longer returns ansible facts (https://github.com/ansible-collections/community.docker/pull/1).
- docker_volume the force option has been removed. Use recreate instead (https://github.com/ansible-collections/community.docker/pull/1).

Deprecated Features

community.general

- django_manage the parameter liveserver relates to a no longer maintained third-party module for django. It is now deprecated, and will be remove in community.general 3.0.0 (https://github.com/ansible-collections/community.general/pull/1154).
- proxmox the default of the new proxmox_default_behavior option will change from compatibility to no_defaults in community.general 4.0.0. Set the option to an explicit value to avoid a deprecation warning (https://github.com/ansible-collections/community.general/pull/850).
- proxmox_kvm the default of the new proxmox_default_behavior option will change from compatibility to no_defaults in community.general 4.0.0. Set the option to an explicit value to avoid a deprecation warning (https://github.com/ansible-collections/community.general/pull/850).
- syspatch deprecate the redundant apply argument (https://github.com/ansible-collections/community.general/pull/360).

community.network

Deprecate connection=local support for network platforms using persistent framework (https://github.com/ansible-collections/community.network/pull/120).

Porting Guide for v2.10.2

Breaking Changes

Ansible-base

• ansible-galaxy login command has been removed (see https://github.com/ansible/ansible/issues/71560)

Major Changes

f5networks.f5 modules

 Add phone home Teem integration into all modules, functionality can be disabled by setting up F5_TEEM environment variable or no_f5_teem provider parameter

ovirt.ovirt

- cluster_upgrade Migrate role (https://github.com/oVirt/ovirt-ansible-collection/pull/94).
- disaster recovery Migrate role (https://github.com/oVirt/ovirt-ansible-collection/pull/134).
- engine setup Migrate role (https://github.com/oVirt/ovirt-ansible-collection/pull/69).
- hosted_engine_setup Migrate role (https://github.com/oVirt/ovirt-ansible-collection/pull/106).
- image_template Migrate role (https://github.com/oVirt/ovirt-ansible-collection/pull/95).
- infra Migrate role (https://github.com/oVirt/ovirt-ansible-collection/pull/92).
- manageiq Migrate role (https://github.com/oVirt/ovirt-ansible-collection/pull/97).
- repositories Migrate role (https://github.com/oVirt/ovirt-ansible-collection/pull/96).
- shutdown_env Migrate role (https://github.com/oVirt/ovirt-ansible-collection/pull/112).
- vm_infra Migrate role (https://github.com/oVirt/ovirt-ansible-collection/pull/93).

Removed Features

f5networks.f5_modules

• Removed arp state parameter from the bigip virtual address module

Deprecated Features

cisco.nxos

• Deprecated nxos_interface_ospf in favor of nxos_ospf_interfaces Resource Module.

Porting Guide for v2.10.1

Major Changes

community.kubernetes

- k8s Add support for template parameter (https://github.com/ansible-collections/community.kubernetes/pull/230).
- k8s_* Add support for vaulted kubeconfig and src (https://github.com/ansible-collections/community.kubernetes/pull/193).

Deprecated Features

cisco.nxos

- Deprecated *nxos smu* in favor of *nxos rpm* module.
- The nxos_ospf_vrf module is deprecated by nxos_ospfv2 and nxos_ospfv3 Resource Modules.

Porting Guide for v2.10.0

Known Issues

- Due to a limitation in pip, you cannot pip install --upgrade from ansible-2.9 or earlier to ansible-2.10 or higher. Instead, you must explicitly use pip uninstall ansible before pip installing the new version. If you attempt to upgrade Ansible with pip without first uninstalling, the installer warns you to uninstall first.
- The individual collections that make up the ansible-2.10.0 package can be viewed independently. However, they are not currently listed by ansible-galaxy. To view these collections with ansible-galaxy, explicitly specify where ansible has installed the collections -- COLLECTION_INSTALL=\$ (python -c 'import ansible, os.path; print("%s/../ansible_collections" % os.path.dirname(ansible.__file__))') ansible-galaxy collection list -p "\$COLLECTION INSTALL".
- These fortios modules are not automatically redirected from their 2.9.x names to the new 2.10.x names within collections. You must modify your playbooks to use fully qualified collection names for them. You can use the documentation

(https://docs.ansible.com/ansible/2.10/collections/fortinet/fortios/) for the fortinet.fortios collection to determine what the fully qualified collection names are.

- fortios address
- o fortios config
- o fortios firewall DoS policy
- o fortios firewall DoS policy6
- fortios ipv4 policy
- o fortios switch controller 802 1X settings
- o fortios switch controller security policy 802 1X
- o fortios system firmware upgrade
- o fortios system nd proxy
- o fortios webfilter

community.grafana

• grafana datasource doesn't set password correctly (#113)

Breaking Changes

- cisco.nxos.nxos_igmp_interface no longer supports the deprecated oif_prefix and oif_source options. These have been superseded by oif ps.
- community.grafana.grafana_dashboard the parameter message is renamed to commit_message since message is used by Ansible Core engine internally.
- purestorage flashblade purefb fs no longer supports the deprecated nfs option. This has been superseded by nfsv3.

amazon.aws

• aws_s3 - can now delete versioned buckets even when they are not empty - set mode to delete to delete a versioned bucket and everything in it.

ansible.windows

- setup Make sure ansible_date_time.epoch is seconds since EPOCH in UTC to mirror the POSIX facts. The ansible date time.epoch local contains seconds since EPOCH in the local timezone for backwards compatibility
- setup Will now add the IPv6 scope on link local addresses for ansible ip addresses
- setup ansible processor will now return the index before the other values to match the POSIX fact behaviour
- win_find No longer filters by size on directories, this feature had a lot of bugs, slowed down the module, and not a supported scenario with the find module.
- win find module has been refactored to better match the behaviour of the find module. Here is what has changed:
 - When the directory specified by paths does not exist or is a file, it will no longer fail and will just warn the user
 - Junction points are no longer reported as islnk, use isjunction to properly report these files. This behaviour matches the win_stat module
 - Directories no longer return a size, this matches the stat and find behaviour and has been removed due to the difficulties in correctly reporting the size of a directory
- win user Change idempotency checks for description to be case sensitive
- win_user Change idempotency checks for fullname to be case sensitive

cisco.meraki

- meraki_device Changed tags from string to list
- meraki device Removed serial Ildp cdp parameter
- meraki device Removed serial uplink parameter
- meraki intrusion prevention Rename whitedlisted rules to allowed rules
- meraki mx 13 firewall Rule responses are now in a *rules* list
- meraki_mx_17_firewall Rename blacklisted_countries to blocked_countries
- meraki_mx_17_firewall Rename whitelisted_countries to allowed_countries
- meraki network Local and remote status page settings cannot be set during network creation
- meraki_network disableRemoteStatusPage response is now remote_status_page_enabled
- meraki_network disable_my_meraki_com response is now local_status_page_enabled
- meraki_network disable_my_meraki has been deprecated
- meraki_network enable_my_meraki is now called local_status_page_enabled
- meraki network enable remote status page is now called remote status page enabled
- meraki_network enabled response for VLAN status is now vlans_enabled
- meraki_network tags and type now return a list
- meraki snmp peer ips is now a list
- meraki_switchport access_policy_number is now an int and not a string
- meraki switchport tags is now a list and not a string

• meraki webhook - Querying test status now uses state of query.

community.general

- The environment variable for the auth context for the oc.py connection plugin has been corrected (K8S_CONTEXT). It was using an initial lowercase k by mistake. (https://github.com/ansible-collections/community.general/pull/377).
- bigpanda the parameter message was renamed to deployment_message since message is used by Ansible Core engine internally.
- cisco_spark the module option message was renamed to msg, as message is used internally in Ansible Core engine (https://github.com/ansible/ansible/issues/39295)
- datadog the parameter message was renamed to notification_message since message is used by Ansible Core engine internally.
- docker_container no longer passes information on non-anonymous volumes or binds as Volumes to the Docker daemon.

 This increases compatibility with the docker CLI program. Note that if you specify volumes: strict in comparisons, this could cause existing containers created with docker container from Ansible 2.9 or earlier to restart.
- docker_container support for port ranges was adjusted to be more compatible to the docker command line utility: a one-port container range combined with a multiple-port host range will no longer result in only the first host port be used, but the whole range being passed to Docker so that a free port in that range will be used.
- hashi_vault lookup now returns the latest version when using the KV v2 secrets engine. Previously, it returned all versions of the secret which required additional steps to extract and filter the desired version.
- log_plays callback add missing information to the logs generated by the callback plugin. This changes the log message format (https://github.com/ansible-collections/community.general/pull/442).
- pkgng passing name: * with state: absent will no longer remove every installed package from the system. It is now a noop. (https://github.com/ansible-collections/community.general/pull/569).
- pkgng passing name: * with state: latest or state: present will no longer install every package from the configured package repositories. Instead, name: *, state: latest will upgrade all already-installed packages, and name: *, state: present is a noop. (https://github.com/ansible-collections/community.general/pull/569).

community.network

• routeros_facts - allow multiple addresses and neighbors per interface. This makes ansible_net_neighbors a list instead of a dict (https://github.com/ansible-collections/community.network/pull/6).

community.vmware

- vmware datastore maintenancemode now returns datastore status instead of Ansible internal key results.
- vmware_guest_custom_attributes does not require VM name which was a required parameter for releases prior to Ansible 2.10
- vmware guest find the datacenter option has been removed.
- vmware_host_kernel_manager now returns host_kernel_status instead of Ansible internal key results.
- vmware_host_ntp now returns host_ntp_status instead of Ansible internal key results.
- vmware host service manager now returns host service status instead of Ansible internal key results.
- vmware tag now returns tag status instead of Ansible internal key results.
- vmware_vmkernel the options ip_address and subnet_mask have been removed; use the suboptions ip_address and subnet_mask of the network option instead.

community.windows

• win_pester - no longer runs all *.ps1 file in the directory specified due to it executing potentially unknown scripts. It will follow the default behaviour of only running tests for files that are like *.tests.ps1 which is built into Pester itself.

community.zabbix

• zabbix_javagateway - options javagateway_pidfile, javagateway_listenip, javagateway_listenport and javagateway_startpollers renamed to zabbix_javagateway_xyz (see UPGRADE.md).

netbox.netbox

- Change ip-addresses key in netbox inventory plugin to ip_addresses (https://github.com/netbox-community/ansible_modules/issues/139)
- Changed group to tenant group in netbox tenant.py (https://github.com/netbox-community/ansible_modules/issues/9)
- Changed role to prefix role in netbox prefix.py (https://github.com/netbox-community/ansible modules/issues/9)
- Module failures when required fields aren't provided (https://github.com/netbox-community/ansible modules/issues/24)
- Renamed netbox_interface to netbox_device_interface (https://github.com/netbox-community/ansible_modules/issues/9)
- This version has a few breaking changes due to new namespace and collection name. I felt it necessary to change the name of

the lookup plugin and inventory plugin just not to have a non descriptive namespace call to use them. Below is an example: netbox.

• To pass in integers via Ansible Jinja filters for a key in data that requires querying an endpoint is now done by making it a dictionary with an id key. The previous behavior was to just pass in an integer and it was converted when normalizing the data, but some people may have names that are all integers and those were being converted erroneously so we made the decision to change the method to convert to an integer for the NetBox API.

```
tasks:
    - name: Create device within NetBox with only required information
    netbox_device:
    netbox_url: http://netbox-demo.org:32768
    netbox_token: 0123456789abcdef0123456789abcdef01234567
    data:
        name: Test66
        device_type:
            id: "{{ some_jinja_variable }}"
        device_role: Core Switch
        site: Test Site
        status: Staged
        state: present
```

• pynetbox changed to using requests.Session() to manage the HTTP session which broke passing in ssl_verify when building the NetBox API client. This PR makes pynetbox 5.0.4+ the new required version of *pynetbox* for the Ansible modules and lookup plugin. (https://github.com/netbox-community/ansible modules/pull/269)

theforeman.foreman

- All modules were renamed to drop the foreman_ and katello_ prefixes. Additionally to the prefix removal, the following
 modules were further ranamed:
 - katello upload to content upload
 - katello_sync to repository_sync
 - katello manifest to subscription manifest
 - o foreman search facts to resource info
 - o foreman ptable to partition table
 - foreman model to hardware model
 - o foreman environment to puppet_environment

Major Changes

Ansible-base

- Both ansible-doc and ansible-console's help command will error for modules and plugins whose return documentation cannot be parsed as YAML. All modules and plugins passing ansible-test sanity --test yamllint will not be affected by this
- Collections may declare a list of supported/tested Ansible versions for the collection. A warning is issued if a collection does not support the Ansible version that loads it (can also be configured as silent or a fatal error). Collections that do not declare supported Ansible versions do not issue a warning/error.
- Plugin routing allows collections to declare deprecation, redirection targets, and removals for all plugin types.
- Plugins that import module_utils and other ansible namespaces that have moved to collections should continue to work unmodified.
- Routing data built into Ansible 2.10 ensures that 2.9 content should work unmodified on 2.10. Formerly included modules and
 plugins that were moved to collections are still accessible by their original unqualified names, so long as their destination
 collections are installed.
- When deprecations are done in code, they to specify a collection_name so that deprecation warnings can mention which collection or ansible-base is deprecating a feature. This affects all Display.deprecated() or AnsibleModule.deprecate() or Ansible.Basic.Deprecate() calls, and removed_in_version/removed_at_date or deprecated aliases in module argument specs.
- ansible-test now uses a different default test container for Ansible Collections

amazon.aws

• ec2 module_utils - The AWSRetry decorator no longer catches NotFound exceptions by default. NotFound exceptions need to be explicitly added using catch_extra_error_codes. Some AWS modules may see an increase in transient failures due to AWS"s eventual consistency model.

ansible.netcommon

• Add libssh connection plugin and refactor network cli (https://github.com/ansible-collections/ansible.netcommon/pull/30)

ansible.posix

• Bootstrap Collection (https://github.com/ansible-collections/ansible.posix/pull/1).

cisco.meraki

- Rewrite requests method for version 1.0 API and improved readability
- meraki mr rf profile Configure wireless RF profiles.
- meraki_mr_settings Configure network settings for wireless.
- meraki ms 13 interface New module
- meraki_ms_ospf Configure OSPF.

community.general

- docker_container the network_mode option will be set by default to the name of the first network in networks if at least one network is given and networks_cli_compatible is true (will be default from community.general 2.0.0 on). Set to an explicit value to avoid deprecation warnings if you specify networks and set networks_cli_compatible to true. The current default (not specifying it) is equivalent to the value default.
- docker_container the module has a new option, container_default_behavior, whose default value will change from compatibility to no defaults. Set to an explicit value to avoid deprecation warnings.
- $\bullet \quad \text{gitlab_user no longer requires name, email and password arguments when} \ \texttt{state=absent}. \\$

community.grafana

- Add changelog management for ansible 2.10 (#112)
- grafana datasource; adding additional json data param

community.kubernetes

- Add changelog and fragments and document changelog process (https://github.com/ansible-collections/community.kubernetes/pull/131).
- helm New module for managing Helm charts (https://github.com/ansible-collections/community.kubernetes/pull/61).
- helm_info New module for retrieving Helm chart information (https://github.com/ansible-collections/community.kubernetes/pull/61).
- helm plugin new module to manage Helm plugins (https://github.com/ansible-collections/community.kubernetes/pull/154).
- helm_plugin_info new modules to gather information about Helm plugins (https://github.com/ansible-collections/community.kubernetes/pull/154).
- helm_repository New module for managing Helm repositories (https://github.com/ansible-collections/community.kubernetes/pull/61).
- k8s Inventory source migrated from Ansible 2.9 to Kubernetes collection.
- k8s Lookup plugin migrated from Ansible 2.9 to Kubernetes collection.
- k8s Module migrated from Ansible 2.9 to Kubernetes collection.
- k8s_auth Module migrated from Ansible 2.9 to Kubernetes collection.
- k8s config resource name Filter plugin migrated from Ansible 2.9 to Kubernetes collection.
- k8s_exec New module for executing commands on pods via Kubernetes API (https://github.com/ansible-collections/community.kubernetes/pull/14).
- k8s exec Return rc for the command executed (https://github.com/ansible-collections/community.kubernetes/pull/158).
- k8s info Module migrated from Ansible 2.9 to Kubernetes collection.
- k8s log New module for retrieving pod logs (https://github.com/ansible-collections/community.kubernetes/pull/16).
- k8s scale Module migrated from Ansible 2.9 to Kubernetes collection.
- k8s service Module migrated from Ansible 2.9 to Kubernetes collection.
- kubectl Connection plugin migrated from Ansible 2.9 to Kubernetes collection.
- openshift Inventory source migrated from Ansible 2.9 to Kubernetes collection.

community.libvirt

- added generic libvirt inventory plugin
- removed libvirt_lxc inventory script

dellemc.os10

- New role os10_aaa Facilitates the configuration of Authentication Authorization and Accounting (AAA), TACACS and RADIUS server.
- New role os 10 acl Facilitates the configuration of Access Control lists.
- New role os 10 bfd Facilitates the configuration of BFD global attributes.
- New role os10_bgp Facilitates the configuration of border gateway protocol (BGP) attributes.
- New role os10 copy config This role pushes the backup running configuration into a OS10 device.

- New role os 10 dns Facilitates the configuration of domain name service (DNS).
- New role os10 ecmp Facilitates the configuration of equal cost multi-path (ECMP) for IPv4.
- New role os 10 fabric summary Facilitates to get show system information of all the OS 10 switches in the fabric.
- New role os 10 flow monitor Facilitates the configuration of ACL flow-based monitoring attributes.
- New role os 10 image upgrade Facilitates installation of OS 10 software images.
- New role os 10 interface Facilitates the configuration of interface attributes.
- New role os 10 lag Facilitates the configuration of link aggregation group (LAG) attributes.
- New role os10_lldp Facilitates the configuration of link layer discovery protocol (LLDP) attributes at global and interface level.
- New role os 10 logging Facilitates the configuration of global logging attributes and logging servers.
- New role os10_network_validation Facilitates validation of wiring connection, BGP neighbors, MTU between neighbors and VLT pair.
- New role os10 ntp Facilitates the configuration of network time protocol (NTP) attributes.
- New role os 10 prefix list Facilitates the configuration of IP prefix-list.
- New role os10 qos Facilitates the configuration of quality of service attributes including policy-map and class-map.
- New role os 10 raguard Facilitates the configuration of IPv6 RA Guard attributes.
- New role os 10 route map Facilitates the configuration of route-map attributes.
- New role os10 snmp Facilitates the configuration of global SNMP attributes.
- New role os 10 system Facilitates the configuration of hostname and hashing algorithm.
- New role os10_template The role takes the raw string input from the CLI of OS10 device, and returns a structured text in the form of a Python dictionary.
- New role os 10 uplink Facilitates the configuration of uplink attributes like uplink-state group.
- New role os 10 users Facilitates the configuration of global system user attributes.
- New role os 10 vlan Facilitates the configuration of virtual LAN (VLAN) attributes.
- New role os 10 vlt Facilitates the configuration of virtual link trunking (VLT).
- New role os 10 vrf Facilitates the configuration of virtual routing and forwarding (VRF).
- New role os 10 vrrp Facilitates the configuration of virtual router redundancy protocol (VRRP) attributes.
- New role os 10 vxlan Facilitates the configuration of virtual extensible LAN (VXLAN) attributes.
- New role os 10 xstp Facilitates the configuration of xSTP attributes.

f5networks.f5 modules

- Broke apart bigip_device_auth_radius to implement radius server configuration in bigip_device_auth_server module. Refer to
 module documentation for usage details
- Remove redundant parameters in f5_provider to fix disparity between documentation and module parameters

gluster.gluster

geo_rep - Added the independent module of geo rep with other gluster modules (https://github.com/gluster/gluster-ansible-collection/pull/2).

ovirt.ovirt

- ovirt disk Add backup (https://github.com/oVirt/ovirt-ansible-collection/pull/57).
- ovirt disk Support direct upload/download (https://github.com/oVirt/ovirt-ansible-collection/pull/35).
- ovirt host Add ssh port (https://github.com/oVirt/ovirt-ansible-collection/pull/60).
- ovirt vm os info Creation of module (https://github.com/oVirt/ovirt-ansible-collection/pull/26).

purestorage.flasharray

- purefa console manage Console Lock setting for the FlashArray
- purefa_endpoint manage VMware protocol-endpoints on the FlashArray
- purefa_eula sign, or resign, FlashArray EULA
- purefa inventory get hardware inventory information from a FlashArray
- purefa_network manage the physical and virtual network settings on the FlashArray
- purefa_pgsched manage protection group snapshot and replication schedules on the FlashArray
- purefa_pod manage ActiveCluster pods in FlashArrays
- purefa pod replica manage ActiveDR pod replica links in FlashArrays
- purefa proxy manage the phonehome HTTPS proxy setting for the FlashArray
- purefa_smis manage SMI-S settings on the FlashArray
- purefa subnet manage network subnets on the FlashArray
- purefa timeout manage the GUI idle timeout on the FlashArray
- purefa vlan manage VLAN interfaces on the FlashArray
- purefa_vnc manage VNC for installed applications on the FlashArray
- purefa_volume_tags manage volume tags on the FlashArray

purestorage.flashblade

- purefb alert manage alert email settings on a FlashBlade
- purefb bladename manage FlashBlade name
- purefb bucket replica manage bucket replica links on a FlashBlade
- purefb connect manage connections between FlashBlades
- purefb dns manage DNS settings on a FlashBlade
- purefb fs replica manage filesystem replica links on a FlashBlade
- purefb inventory get information about the hardware inventory of a FlashBlade
- purefb ntp manage the NTP settings for a FlashBlade
- purefo phonehome manage the phone home settings for a FlashBlade
- purefb policy manage the filesystem snapshot policies for a FlashBlade
- purefb proxy manage the phone home HTTP proxy settings for a FlashBlade
- purefb_remote_cred manage the Object Store Remote Credentials on a FlashBlade
- purefb_snmp_agent modify the FlashBlade SNMP Agent
- purefb snmp mgr manage SNMP Managers on a FlashBlade
- purefb_target manage remote S3-capable targets for a FlashBlade
- purefb_user manage local pureuser account password on a FlashBlade

Removed Features

Ansible-base

• core - remove support for check invalid arguments in Ansible Module, Azure Module and UTMModule.

ansible.netcommon

• module utils.network.common.utils.ComplexDict has been removed

ansible.windows

• win_stat - removed the deprecated get md55 option and md5 return value.

community.crypto

• The letsencrypt module has been removed. Use acme certificate instead.

community.general

- conjur_variable lookup has been moved to the cyberark.conjur collection. A redirection is active, which will be removed in version 2.0.0 (https://github.com/ansible-collections/community.general/pull/570).
- core remove support for check invalid arguments in UTMModule.
- digital_ocean_* all DigitalOcean modules have been moved to the community.digitalocean collection. A redirection is active, which will be removed in version 2.0.0 (https://github.com/ansible-collections/community.general/pull/622).
- infini_* all infinidat modules have been moved to the infinidat.infinibox collection. A redirection is active, which will be removed in version 2.0.0 (https://github.com/ansible-collections/community.general/pull/607).
- logicmonitor the module has been removed in 1.0.0 since it is unmaintained and the API used by the module has been turned
 off in 2017 (https://github.com/ansible-collections/community.general/issues/539, https://github.com/ansiblecollections/community.general/pull/541).
- logicmonitor_facts the module has been removed in 1.0.0 since it is unmaintained and the API used by the module has been turned off in 2017 (https://github.com/ansible-collections/community.general/issues/539, https://github.com/ansible-collections/community.general/pull/541).
- mysql_* all MySQL modules have been moved to the community.mysql collection. A redirection is active, which will be removed in version 2.0.0 (https://github.com/ansible-collections/community.general/pull/633).
- pacman Removed deprecated recurse option, use extra_args=--recursive instead
- proxysql_* all ProxySQL modules have been moved to the community.proxysql collection. A redirection is active, which will be removed in version 2.0.0 (https://github.com/ansible-collections/community.general/pull/624).

community.network

• onyx - all onyx modules and plugins have been moved to the mellanox.onyx collection. Redirects have been added that will be removed in community.network 2.0.0 (https://github.com/ansible-collections/community.network/pull/83).

community.vmware

- vmware guest find Removed deprecated datacenter option
- vmware_portgroup removed 'inbound_policy', and 'rolling_order' deprecated options.
- vmware_vmkernel Removed deprecated ip_address option; use sub-option ip_address in the network option instead
- vmware_vmkernel Removed deprecated subnet_mask option; use sub-option subnet_mask in the network option instead

community.windows

- win disk image removed the deprecated return value mount path in favor of mount paths.
- win psexec removed the deprecated extra opts option.

f5networks.f5_modules

- Remove bigip iapplx package alias
- Remove bigip security address list alias
- Remove bigip security port list alias
- Remove _bigip_traffic_group alias
- Remove bigip_appsvcs_extension module
- Remove bigip asm policy module

Deprecated Features

 The vyos.vyos.vyos_static_route module has been deprecated and will be removed in a later release; use vyos.vyos.vyos static routes instead.

Ansible-base

- Using the DefaultCallback without the corresponding doc fragment or copying the documentation.
- hash_behaviour Deprecate hash behaviour for future removal.
- script inventory plugin The 'cache' option is deprecated and will be removed in 2.12. Its use has been removed from the plugin since it has never had any effect.

amazon.aws

- All AWS Modules aws_access_key, aws_secret_key and security_token will be made mutually exclusive with profile after 2022-06-01.
- cloudformation The template format option had no effect since Ansible 2.3 and will be removed after 2022-06-01
- cloudformation the template_format option has been deprecated and will be removed in a later release. It has been ignored by the module since Ansible 2.3.
- data pipeline The version option had no effect and will be removed in after 2022-06-01
- ec2 in a later release, the group and group_id options will become mutually exclusive. Currently group_id is ignored if you pass both.
- ec2_ami The no_device alias NoDevice has been deprecated and will be removed after 2022-06-01
- ec2 ami The virtual name alias VirtualName has been deprecated and will be removed after 2022-06-01
- ec2_eip The wait timeout option had no effect and will be removed after 2022-06-01
- ec2_key The wait timeout option had no effect and will be removed after 2022-06-01
- ec2_key The wait option had no effect and will be removed after 2022-06-01
- ec2_key the wait_timeout option has been deprecated and will be removed in a later release. It has had no effect since Ansible 2.5.
- ec2 key the wait option has been deprecated and will be removed in a later release. It has had no effect since Ansible 2.5.
- ec2 lc The associate public ip address option had no effect and will be removed after 2022-06-01
- ec2_tag deprecate the list option in favor of ec2_tag_info
- ec2_tag support for list as a state has been deprecated and will be removed in a later release. The ec2_tag_info can be used to fetch the tags on an EC2 resource.

ansible.windows

- win_domain_computer Deprecated the undocumented log_path option. This option will be removed in a major release after 2022-07-01.
- win_domain_controller the log_path option has been deprecated and will be removed in a later release. This was undocumented and only related to debugging information for module development.
- win_package the ensure alias for the state option has been deprecated and will be removed in a later release. Please use state instead of ensure.
- win_package the productid alias for the product_id option has been deprecated and will be removed in a later release. Please use product id instead of productid.
- win_package the username and password options has been deprecated and will be removed in a later release. The same functionality can be done by using become: yes and become_flags: logon_type=new_credentials logon flags=netcredentials only on the task.
- win_regedit Deprecated using forward slashes as a path separator, use backslashes to avoid ambiguity between a forward slash in the key name or a forward slash as a path separator. This feature will be removed in a major release after 2021-07-01.

community.aws

- cloudformation The template_format option had no effect since Ansible 2.3 and will be removed after 2022-06-01
- data_pipeline The version option had no effect and will be removed after 2022-06-01

- data_pipeline the version option has been deprecated and will be removed in a later release. It has always been ignored by the module.
- ec2 eip The wait timeout option had no effect and will be removed after 2022-06-01
- ec2_eip the wait_timeout option has been deprecated and will be removed in a later release. It has had no effect since Ansible 2.3
- ec2 key The wait timeout option had no effect and will be removed after 2022-06-01
- ec2 key The wait option had no effect and will be removed after 2022-06-01
- \bullet ec2_lc The associate_public_ip_address option had no effect and will be removed after 2022-06-01
- ec2_lc the associate_public_ip_address option has been deprecated and will be removed after a later release. It has always been ignored by the module.
- elb_network_lb The current default value of the state option has been deprecated and will change from absent to present after 2022-06-01
- elb_network_lb in a later release, the default behaviour for the state option will change from absent to present. To maintain the existing behavior explicitly set state to absent.
- iam managed policy The fail on delete option had no effect and will be removed after 2022-06-01
- iam_managed_policy the fail_on_delete option has been deprecated and will be removed after a later release. It has always been ignored by the module.
- iam_policy The policy_document will be removed after 2022-06-01. To maintain the existing behavior use the policy_json option and read the file with the lookup plugin.
- iam policy The default value of skip duplicates will change after 2022-06-01 from true to false.
- iam_policy in a later release, the default value for the skip_duplicates option will change from true to false. To maintain the existing behavior explicitly set it to true.
- iam_policy the policy_document option has been deprecated and will be removed after a later release. To maintain the existing behavior use the policy_j son option and read the file with the lookup plugin.
- iam role The default value of the purge policies has been deprecated and will change from true to false after 2022-06-01
- iam_role in a later release, the purge_policies option (also know as purge_policy) default value will change from true to false
- s3 lifecycle The requester pays option had no effect and will be removed after 2022-06-01
- s3_lifecycle the requester_pays option has been deprecated and will be removed after a later release. It has always been ignored by the module.
- s3 sync The retries option had no effect and will be removed after 2022-06-01
- s3_sync the retries option has been deprecated and will be removed after 2022-06-01. It has always been ignored by the module.

community.crypto

• openssl_csr - all values for the version option except 1 are deprecated. The value 1 denotes the current only standardized CSR version.

community.general

- The ldap attr module has been deprecated and will be removed in a later release; use ldap attrs instead.
- airbrake_deployment Add deprecation notice for token parameter and v2 api deploys. This feature will be removed in community.general 3.0.0.
- clc aa policy The wait option had no effect and will be removed in community general 3.0.0.
- clc_aa_policy the wait parameter will be removed. It has always been ignored by the module.
- docker_container the trust_image_content option is now deprecated and will be removed in community.general 3.0.0. It has never been used by the module.
- docker container the trust image content option will be removed. It has always been ignored by the module.
- docker_container the default of container_default_behavior will change from compatibility to no_defaults in community.general 3.0.0. Set the option to an explicit value to avoid a deprecation warning.
- docker_container the default value for <code>network_mode</code> will change in community.general 3.0.0, provided at least one network is specified and <code>networks_cli_compatible</code> is true. See porting guide, module documentation or deprecation warning for more details.
- docker_stack Return values out and err have been deprecated and will be removed in community.general 3.0.0. Use stdout and stderr instead.
- docker stack the return values err and out have been deprecated. Use stdout and stderr from now on instead.
- helm Put helm module to deprecated. New implementation is available in community.kubernetes collection.
- redfish config Deprecate bios attribute name and bios attribute value in favor of new bios attributes`option.
- redfish_config the bios_attribute_name and bios_attribute_value options will be removed. To maintain the existing behavior use the bios_attributes option instead.
- redfish_config and redfish_command the behavior to select the first System, Manager, or Chassis resource to modify when multiple are present will be removed. Use the new resource id option to specify target resource to modify.
- redfish_config, redfish_command Behavior to modify the first System, Manager, or Chassis resource when multiple are present is deprecated. Use the new resource_id option to specify target resource to modify.
- xbps the force option never had any effect. It is now deprecated, and will be removed in 3.0.0 (https://github.com/ansible-

collections/community.general/pull/568).

community.vmware

- The vinware dns config module has been deprecated and will be removed in a later release; use vinware host dns instead.
- vca vca_fw, vca_nat, vca_app are deprecated since these modules rely on deprecated part of Pyvcloud library.
- vmware_dns_config Deprecate in favor of new module vmware_host_dns.
- vmware_guest deprecate specifying CDROM configuration as a dict, instead use a list.
- vmware_tag_info in a later release, the module will not return tag_facts since it does not return multiple tags with the same name and different category id. To maintain the existing behavior use tag_info which is a list of tag metadata.

community.zabbix

• zabbix_proxy (module) - deprecates interface sub-options type and main when proxy type is set to passive via status=passive. Make sure these suboptions are removed from your playbook as they were never supported by Zabbix in the first place.

$f5 networks. f5_modules$

- Deprecated bigip_appsvcs_extension module
- Deprecated bigip_device_facts module name
- Deprecated bigiq_device_facts module name