

NSX-T Ansible Modules 3.2.0 Release Notes

NSX-T Ansible Modules 3.2.0 | December 2021

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What's New

This repository contains NSX-T Ansible Modules, which one can use with Ansible to work with VMware NSX-T Data Center. The modules are focused on enabling automation of installation workflows of NSX-T.

In this 3.2.0 version the modules cover the same perimeter than in previous versions: 3.1.0 and 3.0.0: from Install to Upgrade and some logical objects from the Policy API (segment, tier-0, tier-1, firewall rules, IP pool and IP blocks). This is the recommended way to consume logical objects from Ansible instead of the imperative API.

These modules are maintained and supported by VMware. They can be found on the VMware download page or on <https://github.com/vmware/ansible-for-nsxt>

For general information about Ansible, visit the GitHub project page.

Documentation on the NSX platform can be found at the NSX-T Documentation page

Supported NSX Modules

This section contains available module for Ansible against NSX-T 3.2.0, it lists the new modules, the one from pre-existing versions and the one being deprecated.

Deprecated modules are modules planned to be removed in a future version, they are typically modules mapping to deprecated APIs in NSX-T.

New Modules

Deployment and installation modules

- nsxt_manager_auto_deployment
- nsxt_manager_auto_deployment_facts
- nsxt_certificate
- nsxt_certificates_facts
- nsxt_principal_identities
- nsxt_principal_identities_facts
- nsxt_repo_sync
- nsxt_repo_sync_facts
- nsxt_virtual_ip
- nsxt_virtual_ip_facts

Upgrade modules

- nsxt_upgrade_eula_accept
- nsxt_upgrade_groups
- nsxt_upgrade_history
- nsxt_upgrade_plan
- nsxt_upgrade_postchecks
- nsxt_upgrade_prechecks
- nsxt_upgrade_run
- nsxt_upgrade_uc
- nsxt_upgrade_upload_mub

Policy API Logical networking modules

- nsxt_policy_ip_block
- nsxt_policy_ip_pool
- nsxt_policy_group
- nsxt_policy_security_policy
- nsxt_policy_segment
- nsxt_policy_tier0
- nsxt_policy_tier1

Previously Available Modules

Deployment and installation modules

- nsxt_deploy_ova.py
- nsxt_licenses
- nsxt_manager_status
- nsxt_licenses_facts
- nsxt_edge_clusters
- nsxt_edge_clusters_facts
- nsxt_fabric_compute_managers

- nsxt_fabric_compute_managers_facts
- nsxt_uplink_profiles
- nsxt_uplink_profiles_facts
- nsxt_transport_zones
- nsxt_transport_zones_facts
- nsxt_transport_nodes
- nsxt_transport_nodes_facts
- nsxt_transport_node_collections
- nsxt_transport_node_collections_facts
- nsxt_transport_node_profiles
- nsxt_transport_node_profiles_facts

Imperative API Logical networking modules

- nsxt_logical_ports
- nsxt_logical_ports_facts
- nsxt_logical_routers
- nsxt_logical_routers_facts
- nsxt_logical_router_ports
- nsxt_logical_router_ports_facts
- nsxt_logical_router_static_routes
- nsxt_logical_switches
- nsxt_logical_switches_facts
- nsxt_ip_blocks
- nsxt_ip_blocks_facts
- nsxt_ip_pools
- nsxt_ip_pools_facts

System Requirements

The NSX-T Ansible Module 3.2.0 support NSX-T 3.2.0 and, NSX-T 3.1.0 and Ansible version 2.9 and Python 3.6.8 and onwards.

These modules require also:

- PyVmomi - Python library for vCenter api.
- OVF Tools - Ovftool is used for ovf deployment.

Build and Run

To install the Ansible Modules please follow those steps:

1. **unzip ansible-for-nsxt-3.2.0.zip** - Unzip the ansible zip file
2. **cd ansible-for-nsxt-3.2.0** - Change the directory to unzipped folder
3. **ansible-galaxy collection build** - Build ansible collections from the source file using this command, this will generate a build file **vmware-ansible_for_nsxt-1.0.0.tar.gz**
4. **ansible-galaxy collection install vmware-ansible_for_nsxt-1.0.0.tar.gz** - Run this command to install ansible collections from the tar file generated in previous step

More informations about Ansible collection installation can be found here: https://docs.ansible.com/ansible/latest/user_guide/collections_using.html