
ansible-role-nodepool Documentation

OpenStack Foundation

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Ansible role to manage Nodepool

- License: Apache License, Version 2.0
- Documentation: <https://ansible-role-nodepool.readthedocs.org>
- Source: <https://git.openstack.org/cgit/openstack/ansible-role-nodepool>
- Bugs: <https://bugs.launchpad.net/ansible-role-nodepool>

CHAPTER 1

Description

Nodepool is a system for launching single-use test nodes on demand based on images built with cached data. It is designed to work with any OpenStack based cloud, and is part of a suite of tools that form a comprehensive test system including Jenkins and Zuul.

- pip3 to be installed if using `nodepool_install_method: (git|pip)`

2.1 Packages

Package repository index files should be up to date before using this role, we do not manage them.

2.2 Sudo

You will be required to create the appropriate sudoers file if you plan on creating DIBs.

CHAPTER 3

Role Variables

```
---
# tasks/main.yaml
nodepool_task_manager:
  - pre
  - install
  - config
  - service

# tasks/config.yaml
nodepool_user_name: nodepool
nodepool_user_group: nodepool
nodepool_user_home: /var/lib/nodepool
# nodepool_user_shell:

nodepool_file_nodepool_yaml_dest: /etc/nodepool/nodepool.yaml
nodepool_file_nodepool_yaml_group: "{{ nodepool_user_group }}"
nodepool_file_nodepool_yaml_mode: 0644
nodepool_file_nodepool_yaml_owner: "{{ nodepool_user_name }}"
nodepool_file_nodepool_yaml_src: etc/nodepool/nodepool.yaml

nodepool_file_secure_conf_dest: /etc/nodepool/secure.conf
nodepool_file_secure_conf_group: "{{ nodepool_user_group }}"
nodepool_file_secure_conf_mode: 0600
nodepool_file_secure_conf_owner: "{{ nodepool_user_name }}"
nodepool_file_secure_conf_src: etc/nodepool/secure.conf

nodepool_file_builder_logging_conf_dest: /etc/nodepool/builder-logging.conf
nodepool_file_builder_logging_conf_group: "{{ nodepool_user_group }}"
nodepool_file_builder_logging_conf_mode: 0644
nodepool_file_builder_logging_conf_owner: "{{ nodepool_user_name }}"
nodepool_file_builder_logging_conf_src: etc/nodepool/builder-logging.conf

nodepool_file_launcher_logging_conf_dest: /etc/nodepool/launcher-logging.conf
nodepool_file_launcher_logging_conf_group: "{{ nodepool_user_group }}"
```

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```
nodpool_file_launcher_logging_conf_mode: 0644
nodpool_file_launcher_logging_conf_owner: "{{ nodpool_user_name }}"
nodpool_file_launcher_logging_conf_src: etc/nodpool/launcher-logging.conf

# tasks/install.yaml
nodpool_git_dest: "{{ ansible_user_dir }}/src/git.openstack.org/openstack-infra/
↳nodpool"
nodpool_git_uri: https://git.openstack.org/openstack-infra/nodpool
nodpool_git_version: master
# nodpool_git_refspec:
# nodpool_git_update:

nodpool_install_method: pip

nodpool_pip_name: nodpool
# nodpool_pip_executable:
# nodpool_pip_editable:
# nodpool_pip_extra_args:
# nodpool_pip_version:
# nodpool_pip_virtualenv_python:
# nodpool_pip_virtualenv:

# tasks/service.yaml
nodpool_file_nodpool_builder_service_manage: true
nodpool_file_nodpool_builder_service_group: root
nodpool_file_nodpool_builder_service_owner: root

nodpool_file_nodpool_builder_service_config_manage: true
nodpool_file_nodpool_builder_service_config_group: root
nodpool_file_nodpool_builder_service_config_owner: root

nodpool_file_nodpool_launcher_service_manage: true
nodpool_file_nodpool_launcher_service_group: root
nodpool_file_nodpool_launcher_service_owner: root

nodpool_file_nodpool_launcher_service_config_manage: true
nodpool_file_nodpool_launcher_service_config_group: root
nodpool_file_nodpool_launcher_service_config_owner: root

nodpool_service_nodpool_builder_daemon_reload: true
nodpool_service_nodpool_builder_enabled: yes
nodpool_service_nodpool_builder_manage: true
nodpool_service_nodpool_builder_name: nodpool-builder
nodpool_service_nodpool_builder_state: started

nodpool_service_nodpool_launcher_daemon_reload: true
nodpool_service_nodpool_launcher_enabled: yes
nodpool_service_nodpool_launcher_manage: true
nodpool_service_nodpool_launcher_name: nodpool-launcher
nodpool_service_nodpool_launcher_state: started
```

CHAPTER 4

Dependencies

CHAPTER 5

Example Playbook

```
- name: Install nodepool
  hosts: nodepool
  roles:
    - ansible-role-nodepool
```