
OpenStack-Ansible Documentation:

repo_server role

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Ansible role that deploys a repository server for python packages, git sources and package caching for deb/rpm.

To clone or view the source code for this repository, visit the role repository for [repo_server](#).

DEFAULT VARIABLES

```
## Verbosity Options
debug: False

## APT Cache Options
cache_timeout: 600

# Set the package install state for distribution and pip packages
# Options are 'present' and 'latest'
repo_server_package_state: "latest"
repo_server_pip_package_state: "latest"

repo_worker_connections: 1024
repo_server_name: openstack-slushee

repo_service_home_folder: /var/www
repo_service_user_name: www-data
repo_service_group_name: www-data
repo_system_service_name: "{{ _repo_system_service_name }}"

# Main web server port
repo_server_bind_address: "{{ openstack_service_bind_address | default('0.0.0.0') }}"
repo_server_port: 8181

repo_vhost_enable_path: "{{ _repo_vhost_enable_path }}"

repo_apache_conf: "{{ _repo_apache_conf }}"
repo_apache_configs: "{{ _repo_apache_configs }}"
repo_apache_custom_log_format: "%h %l %u \"%r\" %>s %b \"%{Referer}i\" \"%{User-agent}i\""
repo_apache_default_sites: "{{ _repo_apache_default_sites }}"
repo_apache_log_level: info
# List of modules to enable are respected only for Debian Family
repo_apache_modules: "{{ _repo_apache_modules }}"
repo_apache_mpms: "{{ _repo_apache_mpms }}"

# MPM tunables
repo_apache_mpm_backend: "{{ openstack_apache_mpm_backend | default('event') }}"
```

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↪}"
repo_apache_threads_max: "{{ openstack_apache_threads_max | default(16) }}"
repo_apache_mpm_server_limit: "{{ [[ansible_facts['processor_vcpus'] |
↪default(2) // 2, 1] | max, repo_apache_threads_max | int] | min }}"
repo_apache_mpm_start_servers: "{{ openstack_apache_start_servers |
↪default(2) }}"
repo_apache_mpm_min_spare_threads: "{{ openstack_apache_min_spare_threads |
↪default(25) }}"
repo_apache_mpm_max_spare_threads: "{{ openstack_apache_max_spare_threads |
↪default(75) }}"
repo_apache_mpm_thread_limit: "{{ openstack_apache_thread_limit | default(64)
↪ }}"
repo_apache_mpm_thread_child: "{{ openstack_apache_thread_child | default(25)
↪ }}"
repo_apache_mpm_max_requests: "{{ repo_apache_mpm_server_limit | int * repo_
↪apache_mpm_thread_child | int }}"
repo_apache_mpm_max_conn_child: "{{ openstack_apache_max_conn_child |
↪default(0) }}"

repo_apache_security_conf: "{{ _repo_apache_security_conf }}"
## Cap the maximum number of threads / workers when a user value is
↪unspecified.

# This directory is used by the repo_build, and will cause problems if synced
# to repo_containers with other releases.
repo_build_global_links_dirname: links

# This directory is used on the deploy host to create u-c files which are then
# copied to the repo server and served by http. Any other files in this
# directory placed by the deployer will also be transferred
repo_upper_constraints_path: "/etc/openstack_deploy/upper-constraints"

# Multiple repo servers must have a shared /var/www/repo
repo_server_systemd_mounts: []

# Example using remote shared filesystem to synchronise the repo contents
↪between
# several repo servers
# repo_server_systemd_mounts:
#   - what: "gluster-server:gluster-volume-name"
#     where: "/var/www/repo"
#     type: glusterfs
#     state: 'started'
#     enabled: true

###
### Backend TLS
###
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# Define if communication between haproxy and service backends should be
# encrypted with TLS.
repo_backend_ssl: "{{ openstack_service_backend_ssl | default(False) }}"

# Storage location for SSL certificate authority
repo_pki_dir: "{{ openstack_pki_dir | default('/etc/openstack_deploy/pki') }}"

# Delegated host for operating the certificate authority
repo_pki_setup_host: "{{ openstack_pki_setup_host | default('localhost') }}"

# repo server certificate
repo_pki_keys_path: "{{ repo_pki_dir ~ '/certs/private/' }}"
repo_pki_certs_path: "{{ repo_pki_dir ~ '/certs/certs/' }}"
repo_pki_intermediate_cert_name: "{{ openstack_pki_service_intermediate_cert_
↳name | default('ExampleCorpIntermediate') }}"
repo_pki_intermediate_cert_path: "{{ repo_pki_dir ~ '/roots/' ~ repo_pki_
↳intermediate_cert_name ~ '/certs/' ~ repo_pki_intermediate_cert_name ~ '.crt
↳' }}"
repo_pki_san: "{{ openstack_pki_san | default('DNS:' ~ ansible_facts['hostname
↳'] ~ ',IP:' ~ management_address) }}"
repo_pki_regen_cert: ''
repo_pki_certificates:
  - name: "repo-{{ ansible_facts['hostname'] }}"
    provider: ownca
    cn: "{{ ansible_facts['hostname'] }}"
    san: "{{ repo_pki_san }}"
    signed_by: "{{ repo_pki_intermediate_cert_name }}"

# repo destination files for SSL certificates
repo_ssl_cert: /etc/ssl/certs/repo.pem
repo_ssl_key: /etc/ssl/private/repo.key
repo_ssl_ca_cert: /etc/ssl/certs/repo-ca.pem
repo_ssl_protocol: "{{ ssl_protocol | default('ALL -SSLv2 -SSLv3 -TLSv1 -
↳TLSv1.1') }}"
# TLS v1.2 and below
repo_ssl_cipher_suite_tls12: "{{ ssl_cipher_suite | default(
↳'ECDH+AESGCM:ECDH+CHACHA20:ECDH+AES256:ECDH+AES128:!aNULL:!SHA1:!AESCCM') }}"
↳"
# TLS v1.3
repo_ssl_cipher_suite_tls13: "{{ ssl_cipher_suite_tls13 | default('TLS_AES_
↳128_GCM_SHA256:TLS_AES_256_GCM_SHA384:TLS_CHACHA20_POLY1305_SHA256') }}"

# Installation details for SSL certificates
repo_pki_install_certificates:
  - src: "{{ repo_user_ssl_cert | default(repo_pki_certs_path ~ 'repo_' ~
↳ansible_facts['hostname'] ~ '-chain.crt') }}"
    dest: "{{ repo_ssl_cert }}"
    owner: "{{ repo_service_user_name }}"
    group: "{{ repo_service_group_name }}"

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```
mode: "0644"
- src: "{{ repo_user_ssl_key | default(repo_pki_keys_path ~ 'repo_' ~
↳ansible_facts['hostname'] ~ '.key.pem') }}"
  dest: "{{ repo_ssl_key }}"
  owner: "{{ repo_service_user_name }}"
  group: "{{ repo_service_group_name }}"
  mode: "0600"
- src: "{{ repo_user_ssl_ca_cert | default(repo_pki_intermediate_cert_path)
↳}}"
  dest: "{{ repo_ssl_ca_cert }}"
  owner: "{{ repo_service_user_name }}"
  group: "{{ repo_service_group_name }}"
  mode: "0644"
  condition: "{{ repo_user_ssl_ca_cert is defined }}"

# Define user-provided SSL certificates
# repo_user_ssl_cert: <path to cert on ansible deployment host>
# repo_user_ssl_key: <path to cert on ansible deployment host>
# repo_user_ssl_ca_cert: <path to cert on ansible deployment host>
```

REQUIRED VARIABLES

None.

EXAMPLE PLAYBOOK

```
---  
- name: Setup repo servers  
  hosts: repo_all  
  user: root  
  roles:  
    - role: "repo_server"  
      tags: "repo-server"
```