
OpenStack-Ansible Documentation:

os_panko role

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OpenStack-Ansible Contributors

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OPENSTACK PANKO

Ansible role that installs and configures OpenStack panko as the event functionality of Telemetry.

This role will install the following:

- panko-api

The role will configure panko to use mariaDB for event storage

1.1 Default Variables

```
## Verbosity Options
debug: False

#python venv executable
panko_venv_python_executable: "{{ openstack_venv_python_executable |_
  ↳default('python3') }}"

# Set the host which will execute the shade modules
# for the service setup. The host must already have
# clouds.yaml properly configured.
panko_service_setup_host: "{{ openstack_service_setup_host | default(
  ↳'localhost') }}"
panko_service_setup_host_python_interpreter: "{{ openstack_service_setup_
  ↳host_python_interpreter | default((panko_service_setup_host == 'localhost
  ↳') | ternary(ansible_playbook_python, ansible_facts['python']['executable
  ↳'])) }}"

# Set the package install state for distribution packages
# Options are 'present' and 'latest'
panko_package_state: "{{ package_state | default('latest') }}"

## The git source/branch
panko_git_repo: https://opendev.org/openstack/panko
panko_git_install_branch: master

## The packages to build from source
panko_upper_constraints_url: "{{ requirements_git_url | default('https://
  ↳releases.openstack.org/constraints/upper/' ~ requirements_git_install_
  ↳branch | default('master')) }}"
panko_git_constraints:
  - "--constraint {{ panko_upper_constraints_url }}"
```

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panko_pip_install_args: "{{ pip_install_options | default('') }}"

# Name of the virtual env to deploy into
panko_venv_tag: "{{ venv_tag | default('untagged') }}"
panko_bin: "/openstack/venvs/panko-{{ panko_venv_tag }}/bin"

## System info
panko_system_user_name: panko
panko_system_group_name: panko
panko_system_shell: /bin/false
panko_system_comment: panko system user
panko_system_user_home: "/var/lib/{{ panko_system_user_name }}"

## DB info
panko_db_setup_host: "{{ openstack_db_setup_host | default('localhost') }}"
panko_db_setup_python_interpreter: "{{ openstack_db_setup_python_
↳interpreter | default((panko_db_setup_host == 'localhost') |
↳ternary(ansible_playbook_python, ansible_facts['python']['executable']))
↳ }}"
panko_database_name: panko
panko_database_user: panko
panko_db_type: "mysql+pymysql"
panko_db_address: "{{ galera_address | default('127.0.0.1') }}"
panko_connection_string: "{{ panko_db_type }}://{{ panko_database_user }}:{{
↳panko_container_db_password }}@{{ panko_db_address }}/{{ panko_
↳database_name }}?charset=utf8"
panko_galera_port: "{{ galera_port | default('3306') }}"

## uWSGI setup
panko_api_init_overrides: {}
panko_wsgi_threads: 10
panko_wsgi_processes_max: 16
panko_wsgi_processes: "{{ [(ansible_facts['processor_vcpus']//ansible_
↳facts['processor_threads_per_core'])|default(1), 1] | max * 2, panko_
↳wsgi_processes_max] | min }}"

#panko services info
panko_role_name: admin

## Service Type and Data
panko_service_region: "{{ service_region | default('RegionOne') }}"
panko_service_endpoint_type: internalURL
panko_service_name: panko
panko_service_address: "{{ openstack_service_bind_address | default('0.0.0.
↳0') }}"
panko_service_port: 8777
panko_service_proto: http
panko_service_type: event
panko_service_description: "Openstack Panko Service"
panko_service_project_domain_id: default
panko_service_user_domain_id: default
panko_service_user_name: panko
panko_keystone_auth_plugin: "{{ panko_keystone_auth_type }}"
panko_keystone_auth_type: password
panko_service_tenant_name: service

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panko_service_project_name: service
panko_service_publicuri: "{{ panko_service_proto }}://{{ external_lb_vip_
↪address }}:{{ panko_service_port }}"
panko_service_publicurl: "{{ panko_service_publicuri }}"
panko_service_internaluri: "{{ panko_service_proto }}://{{ internal_lb_vip_
↪address }}:{{ panko_service_port }}"
panko_service_internalurl: "{{ panko_service_internaluri }}"
panko_service_adminuri: "{{ panko_service_proto }}://{{ internal_lb_vip_
↪address }}:{{ panko_service_port }}"
panko_service_adminurl: "{{ panko_service_adminuri }}"

panko_service_in_ldap: "{{ service_ldap_backend_enabled | default(False) }}"
↪

# Panko expirer
# TTL in seconds
panko_event_time_to_live: -1
# Any of the following special times are valid:
# reboot, yearly, annually, monthly, weekly, daily, hourly
panko_expirer_job_time: daily

panko_services:
  panko-api:
    group: "panko_api"
    service_name: "panko-api"
    service_enabled: true
    config_overrides: "{{ panko_api_init_overrides }}"
    wsgi_app: True
    wsgi_path: "{{ panko_bin }}/panko-api"
    uwsgi_overrides: "{{ panko_uwsgi_conf_overrides }}"
    uwsgi_port: "{{ panko_service_port }}"
    uwsgi_bind_address: "{{ panko_service_address }}"

# Common pip packages
panko_pip_packages:
- alembic
- ceilometermiddleware
- cryptography
- gnocchiclient
- osprofiler
- "git+{{ panko_git_repo }}@{{ panko_git_install_branch }}#egg=panko"
- PyMySQL
- pymemcache
- python-memcached
- sqlalchemy
- sqlalchemy-utils
- systemd-python
- warlock

# Memcached override
panko_memcached_servers: "{{ memcached_servers }}"

panko_required_secrets:
- memcached_encryption_key
- panko_container_db_password
- panko_service_password

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```
install_test_packages: False

## Tunable overrides
panko_policy_overrides: {}
panko_panko_conf_overrides: {}
panko_api_paste_ini_overrides: {}
panko_uwsgi_conf_overrides: {}
```

1.2 Required Variables

To use this role, define the following variables:

```
panko_container_db_password: "secrete"
# Password used for Keystone panko service user
panko_service_password: "secrete"
# Needed for panko to talk to memcached
memcached_servers: 127.0.0.1
memcached_encryption_key: "some_key"
# Needed to setup the panko service in Keystone
keystone_admin_user_name: admin
keystone_admin_tenant_name: admin
keystone_auth_admin_password: "SuperSecretePassword"
keystone_service_adminuri_insecure: false
keystone_service_internaluri_insecure: false
keystone_service_internaluri: "http://1.2.3.4:5000"
keystone_service_internalurl: "{{ keystone_service_internaluri }}/v3"
keystone_service_adminuri: "http://5.6.7.8:5000"
keystone_service_adminurl: "{{ keystone_service_adminuri }}/v3"
```

OPENSTACK-ANSIBLE PANKO

Ansible role to install OpenStack Panko.

Documentation for the project can be found at: https://docs.openstack.org/openstack-ansible-os_panko/latest/

Release notes for the project can be found at: https://docs.openstack.org/releasenotes/openstack-ansible-os_panko

The project source code repository is located at: https://opendev.org/openstack/openstack-ansible-os_panko

The project home is at: <https://launchpad.net/openstack-ansible>

The project bug tracker is located at: <https://bugs.launchpad.net/openstack-ansible>