OpenStack-Ansible Documentation: os_masakari role

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tags openstack, masakari, cloud, ansible

category *nix

To clone or view the source code for this repository, visit the role repository for os_masakari.

CHAPTER

ONE

DEFAULT VARIABLES

```
## Verbosity Options
debug: False

# Set the host which will execute the shade modules
# for the service setup. The host must already have
# clouds.yaml properly configured.
masakari_service_setup_host: "{{ openstack_service_setup_host | default(
↪'localhost') }}"
masakari_service_setup_host_python_interpreter: "{{ openstack_service_setup_
↪host_python_interpreter | default((masakari_service_setup_host == 'localhost
↪') | ternary(ansible_playbook_python, ansible_python['executable'])) }}"
masakari_venv_python_executable: "{{ openstack_venv_python_executable |␣
↪default('python3') }}"

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

masakari_git_repo: https://opendev.org/openstack/masakari
masakari_monitors_git_repo: https://opendev.org/openstack/masakari-monitors
masakari_git_install_branch: master
masakari_monitors_git_install_branch: master
masakari_upper_constraints_url: "{{ requirements_git_url | default('https://
↪releases.openstack.org/constraints/upper/' ~ requirements_git_install_
↪branch | default('master')) }}"
masakari_git_constraints:
  - "--constraint {{ masakari_upper_constraints_url }}"

## System info
masakari_system_user_name: masakari
masakari_system_group_name: masakari
masakari_system_shell: /bin/false
masakari_system_comment: masakari system user
masakari_system_user_home: "/var/lib/{{ masakari_system_user_name }}"

## Database credentials
masakari_db_setup_host: "{{ openstack_db_setup_host | default('localhost') }}"
masakari_db_setup_python_interpreter: "{{ openstack_db_setup_python_
↪interpreter | default((masakari_db_setup_host == 'localhost') |␣
↪ternary(ansible_playbook_python, ansible_facts['python']['executable'])) }}"
```

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```
masakari_galera_address: "{{ galera_address | default('127.0.0.1') }}"
masakari_galera_database: masakari
masakari_galera_user: masakari
masakari_galera_use_ssl: "{{ galera_use_ssl | default(False) }}"
masakari_galera_ssl_ca_cert: "{{ galera_ssl_ca_cert | default('') }}"
masakari_galera_port: "{{ galera_port | default('3306') }}"
masakari_db_max_overflow: "{{ openstack_db_max_overflow | default('50') }}"
masakari_db_max_pool_size: "{{ openstack_db_max_pool_size | default('5') }}"
masakari_db_pool_timeout: "{{ openstack_db_pool_timeout | default('30') }}"
masakari_db_connection_recycle_time: "{{ openstack_db_connection_recycle_time␣
↪| default('600') }}"

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

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

# Common pip packages
masakari_pip_packages:
  - cryptography
  - "git+{{ masakari_git_repo }}@{{ masakari_git_install_branch }}
↪#egg=masakari"
  - masakari
  - keystonemiddleware
  - osprofiler
  - PyMySQL
  - pymemcache
  - python-masakariclient
  - python-novaclient
  - python-keystoneclient
  - python-memcached
  - python-swiftclient
  - systemd-python
  - uwsgi
  - keystoneauth1

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

masakari_monitor_pip_packages:
  - "git+{{ masakari_monitors_git_repo }}@{{ masakari_monitors_git_install_
↪branch }}#egg=masakari-monitors"
  - systemd-python

## Tunable overrides
masakari_api_paste_ini_overrides: {}
masakari_masakari_conf_overrides: {}
masakari_policy_json_overrides: {}
```

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```
masakari_policy_overrides: "{{ masakari_policy_json_overrides }}"
masakari_api_init_overrides: {}
masakari_engine_init_overrides: {}
masakari_monitors_conf_overrides: {}
masakari_monitors_process_overrides: {}
masakari_monitors_init_overrides: {}

## Service Type and Data
masakari_service_region: "{{ service_region | default('RegionOne') }}"
masakari_service_name: masakari
masakari_service_port: 15868
masakari_service_proto: http
masakari_service_registry_proto: "{{ masakari_service_proto }}"
masakari_service_publicuri_proto: "{{ openstack_service_publicuri_proto |␣
↪default(masakari_service_proto) }}"
masakari_service_adminuri_proto: "{{ openstack_service_adminuri_proto |␣
↪default(masakari_service_proto) }}"
masakari_service_internaluri_proto: "{{ openstack_service_internaluri_proto |␣
↪default(masakari_service_proto) }}"
masakari_service_type: ha
masakari_service_description: "Masakari ha Service"
masakari_service_user_name: masakari
masakari_service_project_name: service
masakari_service_project_domain_id: default
masakari_service_user_domain_id: default
masakari_service_publicuri: "{{ masakari_service_publicuri_proto }}://{{␣
↪external_lb_vip_address }}:{{ masakari_service_port }}"
masakari_service_publicurl: "{{ masakari_service_publicuri }}/v1/%(tenant_id)s
↪"
masakari_service_internaluri: "{{ masakari_service_internaluri_proto }}://{{␣
↪internal_lb_vip_address }}:{{ masakari_service_port }}"
masakari_service_internalurl: "{{ masakari_service_internaluri }}/v1/%(tenant_
↪id)s"
masakari_service_adminuri: "{{ masakari_service_adminuri_proto }}://{{␣
↪internal_lb_vip_address }}:{{ masakari_service_port }}"
masakari_service_adminurl: "{{ masakari_service_adminuri }}/v1/%(tenant_id)s"

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

masakari_service_role_names:
  - admin
  - service
masakari_service_token_roles:
  - service
masakari_service_token_roles_required: "{{ openstack_service_token_roles_
↪required | default(True) }}"
masakari_api_bind_address: "{{ openstack_service_bind_address | default('0.0.
↪0.0') }}"
```

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```
masakari_api_service_port: 15868

## API options
masakari_enable_v1_api: True

masakari_etc_dir: /etc/masakari
masakari_monitor_etc_dir: /etc/masakarimonitors
masakari_config_options: --config-file {{ masakari_etc_dir }}/masakari.conf

## Services
masakari_services:
  masakari-api:
    group: masakari_api
    service_name: masakari-api
    execstarts: "{{ masakari_bin }}/masakari-api"
    config_overrides: "{{ masakari_api_init_overrides }}"
  masakari-engine:
    group: masakari_engine
    service_name: masakari-engine
    execstarts: "{{ masakari_bin }}/masakari-engine"
    config_overrides: "{{ masakari_engine_init_overrides }}"
  masakari-hostmonitor:
    group: masakari_monitor
    service_name: masakari-hostmonitor
    execstarts: "{{ masakari_bin }}/masakari-hostmonitor"
    config_overrides: "{{ masakari_monitors_init_overrides }}"
  masakari-instancemonitor:
    group: masakari_monitor
    service_name: masakari-instancemonitor
    execstarts: "{{ masakari_bin }}/masakari-instancemonitor"
    config_overrides: "{{ masakari_monitors_init_overrides }}"
  masakari-introspectiveinstancemonitor:
    group: masakari_monitor
    service_name: masakari-introspectiveinstancemonitor
    execstarts: "{{ masakari_bin }}/masakari-introspectiveinstancemonitor"
    config_overrides: "{{ masakari_monitors_init_overrides }}"
  masakari-processmonitor:
    group: masakari_monitor
    service_name: masakari-processmonitor
    execstarts: "{{ masakari_bin }}/masakari-processmonitor"
    config_overrides: "{{ masakari_monitors_init_overrides }}"

## Configuration for Oslo Messaging

# RPC
masakari_oslomsg_rpc_host_group: "{{ oslomsg_rpc_host_group | default(
↪'rabbitmq_all') }}"
masakari_oslomsg_rpc_setup_host: "{{ (masakari_oslomsg_rpc_host_group in␣
↪groups) | ternary(groups[masakari_oslomsg_rpc_host_group][0], 'localhost') }
↪}"
```

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```
masakari_oslomsg_rpc_transport: "{{ oslomsg_rpc_transport | default('rabbit')␣
↪}}"
masakari_oslomsg_rpc_servers: "{{ oslomsg_rpc_servers | default('127.0.0.1') }
↪}"
masakari_oslomsg_rpc_port: "{{ oslomsg_rpc_port | default('5672') }}"
masakari_oslomsg_rpc_use_ssl: "{{ oslomsg_rpc_use_ssl | default(False) }}"
masakari_oslomsg_rpc_userid: masakari
masakari_oslomsg_rpc_vhost: /masakari
masakari_oslomsg_rpc_ssl_version: "{{ oslomsg_rpc_ssl_version | default(
↪'TLSv1_2') }}"
masakari_oslomsg_rpc_ssl_ca_file: "{{ oslomsg_rpc_ssl_ca_file | default('') }}
↪"

# Notify
masakari_oslomsg_notify_host_group: "{{ oslomsg_notify_host_group | default(
↪'rabbitmq_all') }}"
masakari_oslomsg_notify_setup_host: "{{ (masakari_oslomsg_notify_host_group␣
↪in groups) | ternary(groups[masakari_oslomsg_notify_host_group][0],
↪'localhost') }}"
masakari_oslomsg_notify_transport: "{{ oslomsg_notify_transport | default(
↪'rabbit') }}"
masakari_oslomsg_notify_servers: "{{ oslomsg_notify_servers | default('127.0.
↪0.1') }}"
masakari_oslomsg_notify_port: "{{ oslomsg_notify_port | default('5672') }}"
masakari_oslomsg_notify_use_ssl: "{{ oslomsg_notify_use_ssl | default(False) }
↪}"
masakari_oslomsg_notify_userid: "{{ masakari_oslomsg_rpc_userid }}"
masakari_oslomsg_notify_password: "{{ masakari_oslomsg_rpc_password }}"
masakari_oslomsg_notify_vhost: "{{ masakari_oslomsg_rpc_vhost }}"
masakari_oslomsg_notify_ssl_version: "{{ oslomsg_notify_ssl_version | default(
↪'TLSv1_2') }}"
masakari_oslomsg_notify_ssl_ca_file: "{{ oslomsg_notify_ssl_ca_file | default(
↪'') }}"

## (Qdrouterd) integration
# TODO(ansmith): Change structure when more backends will be supported
masakari_oslomsg_amqp1_enabled: "{{ masakari_oslomsg_rpc_transport == 'amqp' }
↪}"

masakari_optional_oslomsg_amqp1_pip_packages:
  - oslo.messaging[amqp1]

# The multicast interface used by corocync for masakari hostmonitor
masakari_monitor_corosync_multicast_interface: "br-mgmt"
masakari_monitor_corosync_multicast_ports: 5405
masakari_monitor_corosync_ipmi_check: False
```

CHAPTER

TWO

DEPENDENCIES

<TODO>

CHAPTER

THREE

EXAMPLE PLAYBOOK

```yaml
---
- name: Install masakari
  hosts: masakari_all
  user: root
  roles:
    - { role: "os_masakari", tags: [ "os-masakari" ] }
  vars:
    external_lb_vip_address: 10.232.48.205
    internal_lb_vip_address: 172.29.236.100
    masakari_galera_address: "{{ internal_lb_vip_address }}"
```

CHAPTER

FOUR

TAGS

<TODO>