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# **OpenStack-Ansible Documentation: testsrole**

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# CONTENTS

- 1 OpenStack-Ansible testing** **3**
- 1.1 Role Integration . . . . . 3
- 1.2 Network Settings . . . . . 3





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## OPENSTACK-ANSIBLE TESTING

This is the `openstack-ansible-tests` repository, providing a framework and consolidation of testing configuration and playbooks. This can be used to integrate new projects, and ensure that code duplication is minimized whilst allowing the addition of new testing scenarios with greater ease.

### 1.1 Role Integration

To enable the `openstack-ansible-tests` repository, ensure that the `tox.ini` configuration in the role repository matches the [galera\\_client repository tox.ini](#) with the exception of the value for `ROLE_NAME`. A more advanced configuration which implements multiple functional test scenarios is available in the [neutron role tox.ini](#).

To override variables you can create a `${rolename}-overrides.yml` file inside the roles tests folder. This variable file can be included in the functional tox target configuration in `tox.ini` as demonstrated in the following extract:

```
ansible-playbook -i {toxidir}/tests/inventory \
                  -e @{toxidir}/tests/${rolename}-overrides.yml \
                  {toxidir}/tests/test.yml -vvvv
```

In your repositories `tests/test.yml` file, you can call any of the included playbooks, for example:

```
- include: common/test-prepare-keys.yml
```

### 1.2 Network Settings

The networking can be configured and setup using the `bridges` variable.

The base option, when only 1 interface is required is to specify just a single base - this is only for backwards compatibility with existing test setup and will default to `br-mgmt` with an IP of `10.1.0.1`.

```
bridges:
  - "br-mgmt"
```

To allow a more complicated network setup we can specify `ip_addr`: The IP address on the interface. `netmask`: Netmask of the interface (defaults to `255.255.255.0`) `name`: Name of the interface `veth_peer`: Set up a veth peer for the interface `alias`: Add an alias IP address

For example, a Nova setup may look like this:

```
bridges:
- name: "br-mgmt"
  ip_addr: "10.1.0.1"
- name: "br-vxlan"
  ip_addr: "10.1.1.1"
- name: "br-vlan"
  ip_addr: "10.1.2.200"
  veth_peer: "eth12"
  alias: "10.1.2.1"
```

**Documentation for the project can be found at:** <https://docs.openstack.org/openstack-ansible-tests/latest/>

**Release notes for the project can be found at:** <https://docs.openstack.org/releasenotes/openstack-ansible-tests/>

**The project source code repository is located at:** <https://opendev.org/openstack/openstack-ansible-tests>

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

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