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kolla-ansible general configuraion

/etc/kolla/config/global.conf

```
[DEFAULT]
# rpc_response_timeout (def: 60)
rpc_response_timeout: 600
api_limit_max = 1000

# oslo.db config
# https://docs.openstack.org/oslo.db/latest/reference/opts.html
[database]
# Maximum number of SQL connections to keep open in a pool. Setting a value
of 0 indicates no limit. Default) 5
max_pool_size = 10
```

/etc/kolla/config/cinder.conf

```
[DEFAULT]
sf_volume_create_timeout = 600
verify_glance_signatures = disabled
```

/etc/kolla/config/nova.conf

```
[DEFAULT]
block_device_allocate_retries = 1800
block_device_allocate_retries_interval = 3
```

/etc/kolla/config/neutron/ml2_conf.ini

```
[ml2]
type_drivers = flat,vlan,vxlan,geneve
tenant_network_types = vxlan
mechanism_drivers = ovn,openvswitch,l2population
extension_drivers = port_security

[ml2_type_vlan]
network_vlan_ranges = physnet1

[ml2_type_flat]
flat_networks = physnet1
```

```
[ml2_type_vxlan]
vni_ranges = 1:1000
```

/etc/kolla/config/masakari/masakari-monitors.conf

```
[host]
monitoring_interval = 20

[callback]
retry_max = 2

[introspectiveinstancemonitor]
guest_monitoring_interval = 10
guest_monitoring_timeout = 2
guest_monitoring_failure_threshold = 2
```

deploy.sh

```
#!/bin/bash

CURR="0"
RELEASE="2023.1"
CEPH_IP="192.168.3.31"

while true; do

    echo "##### Openstack ${RELEASE} deployment #####";
    echo -n "0) ping nodes"; if [ $CURR == 0 ]; then echo -n " <== Current";
fi; echo "";
    echo -n "1) bootstrap"; if [ $CURR == 1 ]; then echo -n " <== Current";
fi; echo "";
    echo -n "2) precheck"; if [ $CURR == 2 ]; then echo -n " <== Current";
fi; echo "";
    echo -n "3) deploy"; if [ $CURR == 3 ]; then echo -n " <== Current"; fi;
echo "";
    echo -n "4) post-deploy"; if [ $CURR == 4 ]; then echo -n " <==
Current"; fi; echo "";
    echo -n "5) install client tools"; if [ $CURR == 5 ]; then echo -n " <==
Current"; fi; echo "";
    echo -n "d) destroy"; if [ "$CURR" == "d" ]; then echo -n " <==
Current"; fi; echo "";
    echo -n "p) purge images"; if [ "$CURR" == "p" ]; then echo -n " <==
Current"; fi; echo "";
```

```
    echo -n "u) update os"; if [ "$CURR" == "u" ]; then echo -n " <==
Current"; fi; echo "";
    echo -n "r) reboot nodes"; if [ "$CURR" == "r" ]; then echo -n " <==
Current"; fi; echo "";
    echo -n "c) ceph purging"; if [ "$CURR" == "c" ]; then echo -n " <==
Current"; fi; echo "";
    echo "exit) quit";
    echo "#####";
    echo "Choice) ";

read x
if [[ $x = "" ]]; then continue; fi
CURR=$x;
case $x in
    exit) break ;;

    0) echo ping nodes...;
    ansible -i multinode all -m ping;
    ;;

    1) echo Bootstraping...;
    kolla-ansible -i ./multinode bootstrap-servers;
    ;;

    2) echo Prechecking... ;
    kolla-ansible -i ./multinode prechecks;
    ;;

    3) echo Deploying... ;
    kolla-ansible -i ./multinode deploy;
    ;;

    4) echo post-deploy... ;
    kolla-ansible -i ./multinode post-deploy;
    ;;

    5) echo install client tools... ;
    echo "pip install python-openstackclient python-cinderclient python-
glanceclient python-novaclient python-neutronclient python-ironicclient
python-designateclient python-heatclient python-manilaclient python-
swiftclient -c https://releases.openstack.org/constraints/upper/${RELEASE}";
    pip install python-openstackclient python-cinderclient python-
glanceclient python-novaclient python-neutronclient python-ironicclient
python-designateclient python-heatclient python-manilaclient python-
swiftclient -c https://releases.openstack.org/constraints/upper/${RELEASE};
    ;;

    d) echo Destroying.. ;
    while true; do
    read -p "Do you wish to DELETE ALL? " yn
    case $yn in
```

```
        [Yy]* )
        ansible -m shell -a 'killall qemu-kvm' -i multinode compute;
        kolla-ansible -i ./multinode destroy --yes-i-really-really-mean-
it;
        break;;
        [Nn]* ) break;;
        * ) echo "Please answer yes or no.";;
    esac
done
;;

p) echo image purging..;
ansible -m shell -a 'docker rmi $(docker images -q)' -i multinode
all;
;;

u) echo update os..;
ansible -m shell -a 'yum -y update; sync;' -i multinode all;
;;

r) echo reboot nodes..;
ansible -m shell -a 'sync;reboot' -i multinode control;
ansible -m shell -a 'sync;reboot' -i multinode compute;
;;

c) echo ceph purging..;
    echo "ansible -m shell -a 'for i in `rados lspools`; do rados purge
${i} --yes-i-really-really-mean-it; done' -i '${CEPH_IP},' all";
    ansible -m shell -a 'for i in `rados lspools`; do rados purge ${i} -
-yes-i-really-really-mean-it; done' -i '${CEPH_IP},' all;
    ;;

    *) echo "Unknown response, enter a number or type 'exit' to quit" ;;
esac
done
```

DB

mariadb_recovery.sh

```
#!/bin/bash

#####
# recovery          controll~3      mariadb container      .
# docker stop mariadb

echo
```

```

#####
#####"
echo "##### Mariadb Recovery      controller      mariadb container
."
echo "##### mariadb container MUST STOP on all contoller node before run
this script."
echo "command: docker stop mariadb"
echo ""
echo "          ?"
echo "Do you wish to run MariaDB Recovery?"

select yn in "Yes" "No"; do
  case $yn in
    Yes )
      cd ~;
      echo 'stop controll mariadb container...';
      ansible -m shell -a 'docker stop mariadb' -i multinode control;
      if [ $? -eq 0 ]; then
        echo "mariadb stop successfully"
        kolla-ansible -i multinode mariadb_recovery;
      else
        echo "mariadb stop failed"
      fi
    break;;

    No ) exit;;
    * ) exit;;
  esac
done

```

From:
<https://atl.kr/dokuwiki/> - AllThatLinux!

Permanent link:
https://atl.kr/dokuwiki/doku.php/kolla-ansible_general_configuraion?rev=1726198074

Last update: **2024/09/13 03:27**

