Bug 1408944 analysis

bug <https://bugzilla.redhat.com/show_bug.cgi?id=1408944>

my issue is caused by

<https://access.redhat.com/solutions/2385241>

<https://bugs.launchpad.net/tripleo/+bug/1581472>

# process

[root@overcloud-controller-0 ~]# cat /etc/hosts

# HEADER: This file was autogenerated at 2017-01-13 18:17:55 -0500

# HEADER: by puppet. While it can still be managed manually, it

# HEADER: is definitely not recommended.

127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4

::1 localhost localhost.localdomain localhost6 localhost6.localdomain6

# HEAT\_HOSTS\_START - Do not edit manually within this section!

192.168.102.11 overcloud-controller-0.localdomain overcloud-controller-0

192.168.101.19 overcloud-controller-0.external.localdomain overcloud-controller-0.external

192.168.102.11 overcloud-controller-0.internalapi.localdomain overcloud-controller-0.internalapi

192.168.104.13 overcloud-controller-0.storage.localdomain overcloud-controller-0.storage

192.168.105.17 overcloud-controller-0.storagemgmt.localdomain overcloud-controller-0.storagemgmt

192.168.106.18 overcloud-controller-0.tenant.localdomain overcloud-controller-0.tenant

192.168.103.54 overcloud-controller-0.management.localdomain overcloud-controller-0.management

192.168.103.54 overcloud-controller-0.ctlplane.localdomain overcloud-controller-0.ctlplane

192.168.102.13 overcloud-compute-0.localdomain overcloud-compute-0

192.168.103.57 overcloud-compute-0.external.localdomain overcloud-compute-0.external

192.168.102.13 overcloud-compute-0.internalapi.localdomain overcloud-compute-0.internalapi

192.168.104.18 overcloud-compute-0.storage.localdomain overcloud-compute-0.storage

192.168.103.57 overcloud-compute-0.storagemgmt.localdomain overcloud-compute-0.storagemgmt

192.168.106.17 overcloud-compute-0.tenant.localdomain overcloud-compute-0.tenant

192.168.103.57 overcloud-compute-0.management.localdomain overcloud-compute-0.management

192.168.103.57 overcloud-compute-0.ctlplane.localdomain overcloud-compute-0.ctlplane

# HEAT\_HOSTS\_END

192.168.105.10 overcloud.storagemgmt.localdomain # FQDN of the storage mgmt VIP

192.168.103.53 overcloud.ctlplane.localdomain # FQDN of the ctlplane VIP

192.168.102.19 overcloud.internalapi.localdomain # FQDN of the internal api VIP

192.168.104.15 overcloud.storage.localdomain # FQDN of the storage VIP

192.168.101.15 overcloud.localdomain # FQDN of the external VIP

[root@overcloud-controller-0 ~]#

[root@overcloud-controller-0 ~]#

[root@overcloud-controller-0 ~]# hostnamectl

Static hostname: overcloud-controller-0.openstacklocal

Icon name: computer-vm

Chassis: vm

Machine ID: e1622fe8eb7d44d0a2d57ce6991b2120

Boot ID: cfbc84edcd2345c18ae33fe4a7093002

Virtualization: kvm

Operating System: Red Hat Enterprise Linux Server 7.3 (Maipo)

CPE OS Name: cpe:/o:redhat:enterprise\_linux:7.3:GA:server

Kernel: Linux 3.10.0-514.2.2.el7.x86\_64

Architecture: x86-64

[root@overcloud-controller-0 ~]# grep bind /etc/my.cnf.d/\* -irn

/etc/my.cnf.d/galera.cnf:12:bind-address = overcloud-controller-0.internalapi.openstacklocal

/etc/my.cnf.d/server.cnf:24:#bind-address=0.0.0.0

[root@overcloud-controller-0 ~]# ping overcloud-controller-0.internalapi.openstacklocal

^C

[root@overcloud-controller-0 ~]#

Ping failed because hostname “overcloud-controller-0.internalapi.openstacklocal” is not in “/etc/hosts” file.

[root@overcloud-controller-0 ~]# cat /etc/hostname

overcloud-controller-0.openstacklocal

[root@overcloud-controller-0 ~]# ps aux | grep mariadb

root 544680 0.0 0.0 112648 952 pts/0 S+ 01:38 0:00 grep --color=auto mariadb

[root@overcloud-controller-0 ~]# ps aux | grep galera

root 544973 0.0 0.0 112648 956 pts/0 S+ 01:38 0:00 grep --color=auto galera

- name: Compute

CountDefault: 1

HostnameFormatDefault: '%stackname%-compute-%index%'

nova/nova.conf:2037:dhcp\_domain=genomics.cn 决定了/etc/hostname, 我认为这个没有用。

Mysql galera.conf用的是 nova.conf中的dhcp\_domain

[root@director neutron]# grep dns\_domain neutron.conf -irn #决定了/etc/hostname

102:#dns\_domain = openstacklocal

103:dns\_domain= genomics.cn

[root@director neutron]# grep dhcp\_domain /etc/neutron/dhcp\_agent.ini -irn

75:#dhcp\_domain = openstacklocal

76:dhcp\_domain = genomics.cn

Dhcp\_domain 跟dns\_domain 作用一样，都是生成node的hostname,dhcp\_domain将过时。

这三者是一样的：

nova/nova.conf:2037:dhcp\_domain

dns\_domain neutron.conf

dhcp\_domain /etc/neutron/dhcp\_agent.ini

而Clouddomain决定了/etc/hosts中的hostname

# Mariadb start failed because vm memory is not enough

[root@overcloud-controller-0 my.cnf.d]# pcs status

Cluster name: tripleo\_cluster

Stack: corosync

Current DC: overcloud-controller-0 (version 1.1.15-11.el7\_3.2-e174ec8) - partition with quorum

Last updated: Fri Jan 13 23:38:58 2017 Last change: Fri Jan 13 23:21:58 2017 by root via cibadmin on overcloud-controller-0

1 node and 3 resources configured

Online: [ overcloud-controller-0 ]

Full list of resources:

ip-192.168.101.15 (ocf::heartbeat:IPaddr2): Started overcloud-controller-0

Clone Set: haproxy-clone [haproxy]

Started: [ overcloud-controller-0 ]

Master/Slave Set: galera-master [galera]

Stopped: [ overcloud-controller-0 ]

Failed Actions:

\* galera\_start\_0 on overcloud-controller-0 'unknown error' (1): call=20, status=complete, exitreason='Unable to detect last known write sequence number',

last-rc-change='Fri Jan 13 23:22:00 2017', queued=0ms, exec=13688ms

Daemon Status:

corosync: active/enabled

pacemaker: active/enabled

pcsd: active/enabled

controller vm has 8G memory , because the following mariadb , we must enlarge memory to 12G

170114 0:25:19 InnoDB: Initializing buffer pool, size = 128.0M

InnoDB: mmap(137756672 bytes) failed; errno 12

170114 0:25:19 InnoDB: Completed initialization of buffer pool

170114 0:25:19 InnoDB: Fatal error: cannot allocate memory for the buffer pool

170114 0:25:19 [ERROR] Plugin 'InnoDB' init function returned error.

170114 0:25:19 [ERROR] Plugin 'InnoDB' registration as a STORAGE ENGINE failed.

170114 0:25:19 [ERROR] mysqld: Out of memory (Needed 128917504 bytes)

170114 0:25:19 [ERROR] mysqld: Out of memory (Needed 96681984 bytes)

170114 0:25:19 [Note] Plugin 'FEEDBACK' is disabled.

170114 0:25:19 [ERROR] Unknown/unsupported storage engine: innodb

170114 0:25:19 [ERROR] Aborting

170114 0:25:19 [Note] /usr/libexec/mysqld: Shutdown complete'

# Director memory need to 12G

[root@director swift-data]# free -m

total used free shared buff/cache available

Mem: 7822 5618 205 0 1998 1880

Swap: 3967 469 3498

# Refer

<https://adam.younglogic.com/2016/08/ooo-ha-fed-poc/>

# network status

[root@overcloud-controller-0 ~]# ovs-vsctl show

ffae446b-5127-4624-a31b-fbdb3d5463a4

Manager "ptcp:6640:127.0.0.1"

is\_connected: true

Bridge br-tun

Controller "tcp:127.0.0.1:6633"

is\_connected: true

fail\_mode: secure

Port br-tun

Interface br-tun

type: internal

Port "vxlan-c0a86a11"

Interface "vxlan-c0a86a11"

type: vxlan

options: {df\_default="true", in\_key=flow, local\_ip="192.168.106.18", out\_key=flow, remote\_ip="192.168.106.17"}

Port patch-int

Interface patch-int

type: patch

options: {peer=patch-tun}

Bridge br-int

Controller "tcp:127.0.0.1:6633"

is\_connected: true

fail\_mode: secure

Port patch-tun

Interface patch-tun

type: patch

options: {peer=patch-int}

Port int-br-ex

Interface int-br-ex

type: patch

options: {peer=phy-br-ex}

Port br-int

Interface br-int

type: internal

Bridge br-ex

Controller "tcp:127.0.0.1:6633"

is\_connected: true

fail\_mode: secure

Port "eth1"

Interface "eth1"

Port br-ex

Interface br-ex

type: internal

Port phy-br-ex

Interface phy-br-ex

type: patch

options: {peer=int-br-ex}

ovs\_version: "2.5.0"