



CloudOS 固化neutron容器时配置未生效问题

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组网及说明

问题描述

CloudOS E5132P03对接SDN后，需要修改neutron插件配置，替换neutron容器内的/root/scripts/pre-startup.sh文件。通过固化脚本固化后，发现pre-startup.sh文件已经被替换掉，但/etc/neutron/plugins/ml2/ml2_conf_h3c.ini中的配置还是修改之前的配置，固化未生效。

配置文件的关键内容如下：

/root/scripts/pre-startup.sh

```
if [ ${vxlanmodel} != "null" ]; then
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER enable_l3_vxlan "${l3vxlanmodel}"
fi

openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER vnic_type ovs
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER default_tenant_mode False
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER binddefaultrouter False
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER firewall_type CGSR_SHARE
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER lb_type CGSR
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER resource_mode CORE_GATEWAY
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER enable_l3_vxlan True
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER l3_vni_ranges 10000:20000
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER disable_internal_l3flow_offload False
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER generate_vrf_based_on_router_name True
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER directly_external ANY
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER network_force_flat False
```

/etc/neutron/plugins/ml2/ml2_conf_h3c.ini

```
enable_l3_router_rpc_notify = False
output_json_log = False
lb_enable_snat = False
empty_rule_action = deny
enable_l3_vxlan = False
l3_vni_ranges = 10000:10100
vendor_rpc_topic = VENDOR_PLUGIN
```

过程分析

- 1、既然neutron容器内的pre-startup.sh文件已经被替换成功，只有插件配置文件不对，那么说明固化已经执行成功了，在容器启动时，会先运行pre-startup.sh脚本，注入配置，说明是脚本执行出现问题
- 2、查看脚本执行的日志/var/log/pre-startup.log文件，发现执行时修改的部分存在其他字符

```
[ true ]
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER hybrid_vnic true
['! null '!= ' null ']
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER vnic_type ovs
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER default_tenant_mode False
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER binddefaultrouter False
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER firewall_type CGSR_SHARE
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER lb_type CGSR
openstack-config --set /etc/neutron/plugins/ml2/ml2_conf_h3c.ini SDNCONTROLLER resource_mode CORE_GATEWAY
openstack-config --set '$/etc/neutron/plugins/ml2/ml2_conf_h3c.ini\302\240' '$SDNCONTROLLER\302\240' '$\ds_name\302\240'
openstack-config --set '$/etc/neutron/plugins/ml2/ml2_conf_h3c.ini\302\240' '$SDNCONTROLLER\302\240' '$\disable_internal
w_offload\302\240' False
openstack-config --set '$/etc/neutron/plugins/ml2/ml2_conf_h3c.ini\302\240' '$SDNCONTROLLER\302\240' '$\enable_l3_vxlan\
30' True
openstack-config --set '$/etc/neutron/plugins/ml2/ml2_conf_h3c.ini\302\240' '$SDNCONTROLLER\302\240' '$\l3_vni_ranges\30
10000:20000
openstack-config --set '$/etc/neutron/plugins/ml2/ml2_conf_h3c.ini\302\240' '$SDNCONTROLLER\302\240' enable_multi_segme
nt
openstack-config --set '$/etc/neutron/plugins/ml2/ml2_conf_h3c.ini\302\240' '$SDNCONTROLLER\302\240' directly_external
openstack-config --set '$/etc/neutron/plugins/ml2/ml2_conf_h3c.ini\302\240' '$SDNCONTROLLER\302\240' network_force_flat
```

- 3、该pre-startup.sh文件是从CloudOS后台导出到windows本地，进行修改后再上传到CloudOS的，windows上输入的空格在linux中会识别为其他字符，导致脚本执行到新增加的配置时未生效。

解决方法

需要重新固化：将原始的pre-startup.sh在linux环境中进行修改，然后执行固化。原始pre-startup.sh如果没有备份的话，需要进行镜像还原，将原始镜像中的pre-startup.sh导出。

具体方法参考案例：<https://zhiliao.h3c.com/theme/details/105385> （该案例是CloudOS2.0的，CloudOS5.0类似）

