

H3C万兆核心路由器Redirect配置举例

1 组网需求

对从GE3/1/2接口进来的源IP为2.2.2.2的IP报文，从接口GE3/1/2出去，源IP为3.3.3.3的IP报文，从接口GE3/1/3出去。



图1 Redirect配置组网图

2 配置思路

- | 配置acl 3000，匹配源ip为2.2.2.2的数据流
- | 配置acl 3001，匹配源IP为3.3.3.3的数据
- | 配置流分类redirect_class_1，匹配acl 3000
- | 配置流分类redirect_class_2，匹配acl 3001
- | 配置流行为redirect_class_1，动作为redirect
- | 配置流行为redirect_class_2，动作为redirect
- | 配置QoS策略redirect_policy，绑定流分类和流行为
- | 将QoS策略下发到端口GE3/1/1

3 配置步骤

```
# 定义ACL 3000，匹配源ip为2.2.2.2的数据流
[H3C] acl number 3000
[H3C-acl-adv-3000] rule 0 permit ip source 2.2.2.2 0
# 定义ACL 3001，匹配源ip为3.3.3.3的数据流
[H3C] acl number 3001
[H3C-acl-adv-3001] rule 0 permit ip source 3.3.3.3 0
# 定义流分类redirect_class_1，匹配acl 3000
[H3C] traffic classifier redirect_class_1
[H3C-classifier-redirect_class_1] if-match acl 3000
# 定义流分类redirect_class_2，匹配acl 3001
[H3C] traffic classifier redirect_class_2
[H3C-classifier-redirect_class_2] if-match acl 3001
# 定义流行为redirect_behavior_1，动作为redirect
[H3C] traffic behavior redirect_behavior_1
[H3C-behavior-redirect_behavior_1] redirect next-hop 20.20.20.0
# 定义流行为redirect_behavior_2，动作为redirect
[H3C] traffic behavior redirect_behavior_2
[H3C-behavior-redirect_behavior_2] redirect next-hop 30.30.30.0
# 定义QoS策略redirect_policy,绑定流行为和流动作
[H3C] qos policy redirect_policy
[H3C-qospolicy-car_policy] classifier redirect_class_1 behavior redirect_behavior_1
[H3C-qospolicy-car_policy] classifier redirect_class_2 behavior redirect_behavior_2
[H3C] interface GigabitEthernet 3/1/1
[H3C-GigabitEthernet3/1/1] qos apply policy redirect_policy inbound
# 验证配置信息
[H3C-GigabitEthernet3/1/1] display qos policy interface GigabitEthernet 3/1/1
Interface: GigabitEthernet3/1/1
Direction: Inbound
Policy: redirect_policy
Classifier: redirect_class_1
Operator: AND
Rule(s) : If-match acl 3000
Behavior: redirect_behavior_1
Redirect enable:
Redirect type: next-hop
Redirect destination:
20.20.20.0
Classifier: redirect_class_2
Operator: AND
```

Rule(s) : If-match acl 3001

Behavior: redirect_behavior_2

Redirect enable:

Redirect type: next-hop

Redirect destination:

30.30.30.0

& 说明:

| 出方向redirect与filter deny, remark qos-local-id, remark local-precedence
, remark forwarding-class, mirror, primap color-map-dp, remark dp冲突

| 入方向redirect与filter deny, remark qos-local-id, remark local-precedence
, remark forwarding-class冲突, 另外, 入方向redirect cpu与mirror-to cpu冲突

| 本文档不严格与具体软、硬件版本对应。