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Subscriber Channel Policing



Product Description

1. How to Change the Tariff Plan for Multiple Subscribers

If a named profile is used for setting the tariff plan, simply change the tariff plan settings in this profile. These changes will automatically apply to all subscribers with this tariff plan name:

```
fdpi_ctrl load profile --policing rate_10_night.cfg --profile.name тариф_10
```

If the policing profiles are anonymous (without a name), you can switch one tariff to another as follows, using `rate10.cfg` bp from question 2 "How to Diagnose Bandwidth Distribution for a Subscriber?":

```
fdpi_ctrl list all --policing | grep 'rrate=1250000(10.00mbit)' | awk '{print $1}' > ll.tmp; fdpi_ctrl load --policing policing.htb.cfg --file ll.tmp;
```

or if a prepared list is available:

```
fdpi_ctrl load --policing policing.htb.cfg --file my_rate10_ip.lst
```

where `my_rate10_ip.lst` contains the list of IPs, for example:

```
# cat my_rate10_ip.lst
10.64.66.110
10.64.66.112
10.64.66.114
```

2. How to Diagnose Bandwidth Distribution for a Subscriber

Diagnosing the issue of lack of bandwidth limitation:

1. Enable the parameter `plc_trace_ip=109.234.130.131` in `/etc/dpi/fastdpi.conf`
2. Reload the configuration:

```
service fastdpi reload
```

3. Reload the bandwidth limitation rules:

```
fdpi_ctrl load --policing rat_HTB.cfg --ip 109.234.130.131
```

4. Check:

```
fdpi_ctrl list all --policing
```

Output:


```
Esnd: [0 err_pkts][0.00 %]

[STAT ][2014/10/30-19:25:16:441834] HTB : Statistics
(IP=109.234.130.131) dscp=7, if 'dna3' :
    DSCP_actual stats Rcvd: [0 bytes][0.00 Mbit/sec]
                          [0 pkts ][0.00 pkt/sec]
    Drop: [0 bytes][0.00 %]
          [0 pkts ][0.00 %]
    Send: [3950100 bytes][0.53 Mbit/sec]
          [2565 pkts ][42.72 pkt/sec]
    Esnd: [0 err_pkts][0.00 %]
```

Therefore, outgoing traffic is being limited, as indicated by the presence of drops, and incoming traffic is going through an alternative route and not subject to the rules loaded into SKAT.