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To IP2 (blocked host) sending a packet with TCP RST for connection reset. Blocking (HTTPS) and redirecting (HTTP) occurs because of difference in response time between VAS Experts DPI and blocked host. VAS Experts DPI is close to users' IP1 then blocked IP2.

## Router settings

Router port where VAS Experts DPIs' outgoing link is plugged in has to be L3 mode as usual. Main task is receive packet from VAS Experts DPI and route it by subscriber by general routing tables.

Config sample for Juniper: eth1 is plugged in to Juniper MX Juniper MX settings:

```
description from_SKAT_redirect;  
unit 0 {  
  family inet {  
    address a.b.c.d/30;  
  }  
}
```

## VAS Experts DPI Config sample

Change the settings by editing the configuration file [/etc/dpi/fastdpi.conf](#).

Let VAS Experts DPI be connected as follows:

```
dna1,dna2,dna3 - receive the mirrored traffic  
dna0 - is connected to the router that receives and redirects subscribers'  
queries and to Internet
```

One has to configure DPI for mirrored traffic processing as follows:

First, assign the input ports that receive the mirrored traffic to in\_dev:

```
in_dev=dna1:dna2:dna3
```

Second, assign the ports that get the redirection request to tap\_dev:

```
tap_dev=dna0
```

Enable asymmetric mode:

```
asym_mode=1
```

Set direction of replies tap\_dev:

```
emit_direction=2  
tap_mode=2
```

Set to clear VLAN in outgoing packets:

```
strip_tap_tags=1
```

And configure MAC replacement:

```
replace_source_mac=00:25:90:E9:43:59 - MAC address of out_dev card: dna0  
replace_destination_mac=78:19:F7:0E:B1:F4 - the router port MAC address that  
has a general routing table
```

Set number of packets repeats, for unstable delivery in networks:

```
emit_duplication=3  
here 3 - number repeats of packets with redirection or RST (duplicates  
packets send with RST or redirection)
```

It is advised to use an additional 1GbE network card to send the replies in mirrored traffic mode. For example, intel i350 (with DNA license) can be used. This allows to configure an individual port for sending redirection replies and to reserve 10GbE ports to receive the mirrored traffic.

[Mirror scheme installation manual](#)