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## NAT 1:1

If a subscriber has [the NAT 1:1 service](#) activated, then the VasExperts -NAT - IP attribute (VSA vendorId=43823, attrId=21) containing the subscriber's white address will be added to the Accounting-Request. The Framed - IP - Address attribute holds the gray address of the subscriber.

Starting from the VAS Experts DPI version 8.1 it is possible to pass the white IP address within the Framed - IP - Address if the subscriber has the NAT 1:1 service activated. For this purpose you should specify the `acct_framed_ip_address_nat` `fastpcrf.conf` option.

By default `acct_framed_ip_address_nat=0` and the attributes have the following values:

- Framed - IP - Address - gray subscriber address.
- Calling - Station - Id - subscriber MAC address, if it is known (subscriber MAC addresses are known only in L2 BRAS mode). If the MAC address is unknown, this attribute is not used.
- VasExperts -NAT - IP - white subscriber address, if the subscriber has the NAT 1:1 service activated. If NAT 1:1 is not activated, this attribute is not present.

If the `acct_framed_ip_address_nat=1` and subscriber has the NAT 1:1 service activated, then Accounting-Request will contain attributes with the following values:

- Framed - IP - Address - white subscriber address behind NAT 1: 1
- Calling - Station - Id - gray subscriber address
- VasExperts -NAT - IP - white subscriber address

If subscriber hasn't the NAT 1:1 service activated, then the attributes will have values as if `acct_framed_ip_address_nat = 0` was specified.