

# ANTI-NAT

**"Anti-NAT" — the system designed for processing the information about communication services provided to subscribers, as well as for identification of the internal address of the subscriber.**

"Anti-NAT" is developed in accordance with the Government Resolution Russian Federation № 538 from August 27, 2005 about "the Rules for Interaction by Communication Operators with Authorized Government Agencies conducting operative crime detection activities".

## TECHNICAL CHARACTERISTICS:

**4 10GE ports:** 2 on the traffic input "before NAT", 2 on the traffic input "after NAT".

### Types of saved fields:

- T (local clock of the device "Anti-NAT" flow-through time);
- LOCAL-IP (subscriber's local address);
- LOCAL-PORT (subscriber's port in the local network);
- GW-LOCAL-IP (local address of the gateway in the subscriber network);
- GW-GLOBAL-IP (the address from which this flow was seen on the resource);
- GW-GLOBAL-PORT (the subscriber's port in the global network from which the subscriber was seen on the resource);
- REMOTE-IP (the global resource address);
- REMOTE-PORT (the resource service port).

### Search fields combinations:

- T;
- T+LOCAL-IP;
- T+REMOTE-IP+REMOTE-PORT;
- T+GW-GLOBAL-IP+GW-GLOBAL-PORT.

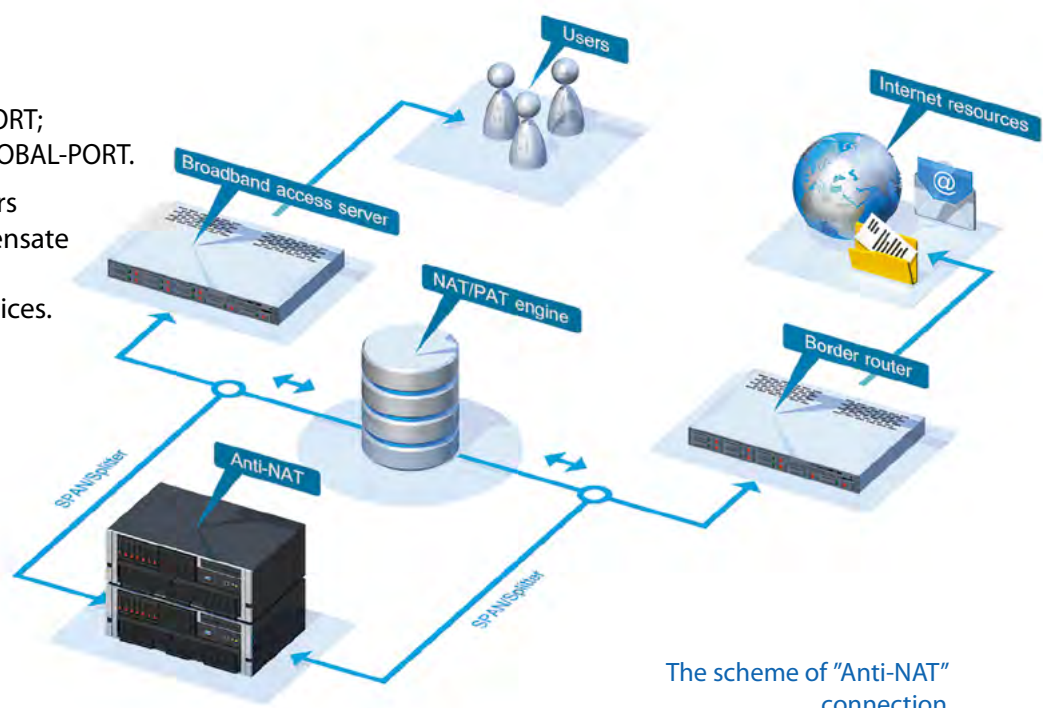
Indication of temporary parameters during the search allows to compensate the possible difference in hours between "Anti-NAT" and other devices.

### Issue format:

- CSV;
- Table in HTML.

### Energy efficiency:

- Server for installation in the 1U high rack;
- 2 rays of feed;
- The maximum power consumption is 460W.



The scheme of "Anti-NAT" connection

### Principle of work:

From logs of the visited resource, for example Apache, define the external IP-address, port and time, from which the subscriber got behind NAT and define the internal address by it.

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