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For CGNAT activation use service 11.

Create named profile for 11 service that defines CGNAT IP pool parameters:

```
fdpi_ctrl load profile --service 11 --profile.name test_nat --profile.json  
'{ "nat_ip_pool" : "5.200.43.0/24", "nat_tcp_max_sessions" : 1000,  
"nat_udp_max_sessions" : 500 }'
```

here

nat_ip_pool - external (white) IP addresses in CIDR

nat_tcp_max_sessions - maximum number of TCP session that subscriber can create

nat_udp_max_sessions - maximum number of UDP session that subscriber can create

Activate 11 service to subscriber with named profile (assign the pool with parameters above)

```
fdpi_ctrl load --service 11 --profile.name test_nat --ip 192.168.0.1  
or  
fdpi_ctrl load --service 11 --profile.name test_nat --login test_subs
```

Additional in global parameters /etc/dpi/fastdpi.conf possible to set:

nat_ports=1024-65535 - port range using for NAT translation on external (white) IP addresses (default value is in example)

max_nat_profiles=24 - maximum number of named profiles with CGNAT pool parameters (allowed maximum parameter value 65000, server memory also limit this parameter)