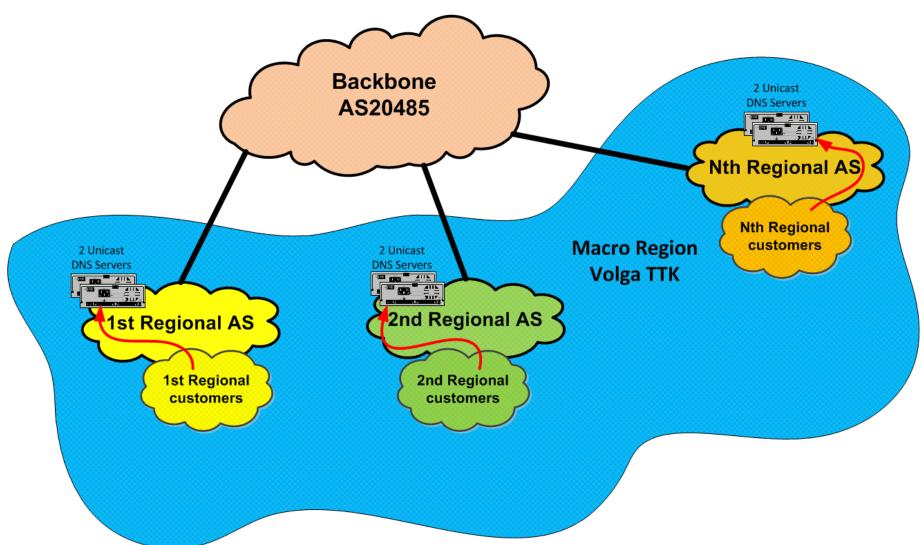


Anycast routing implementation for caching DNS servers in Volga MR

Denis Mikhlevich, Chief IP-specialist of TTK-Volga, Saratov city, Russia

How this was before Anycast DNS implemented



•I have collected information about current infrastructure Volga TTK MR

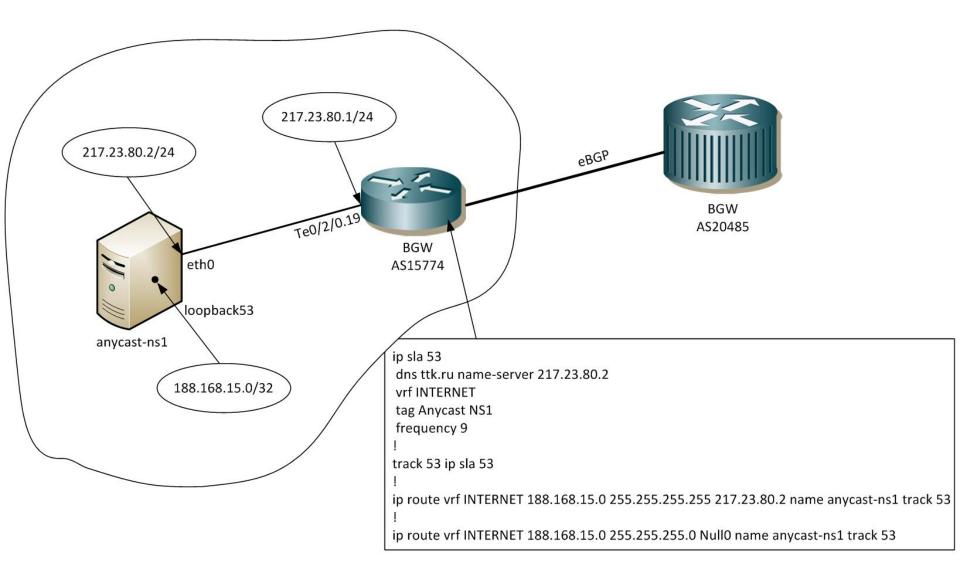
•By our request TTK CC has assigned us 4 networks for Anycast routing for retail AS15774:

IPv4: 188.168.15.0/24; 188.168.33.0/24

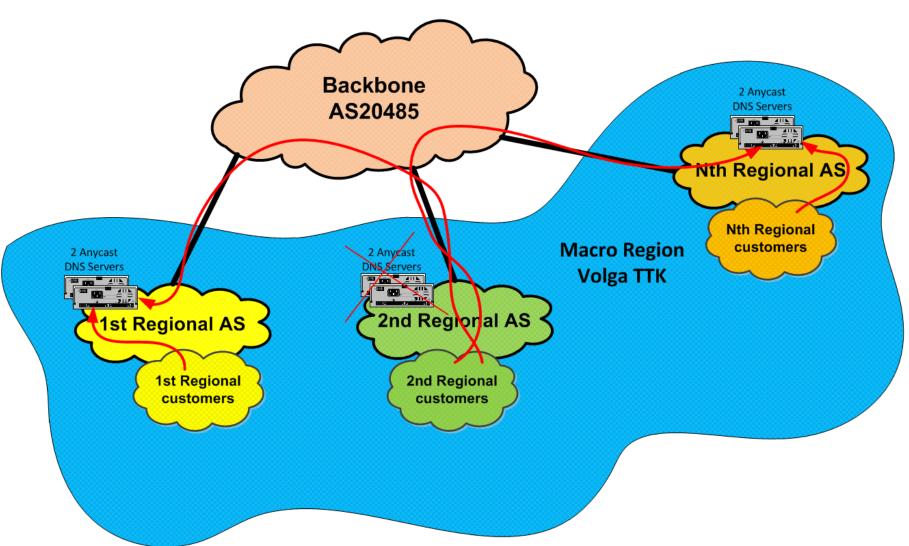
IPv6: 2a02:618:6::/48; 2a02:618:7::/48

- •I have decided to try to set up caching DNS on zero addresses
- •anycast-ns1.ttk.ru. IN A 188.168.15.0 IN AAAA 2a02:618:6::
- anycast-ns2.ttk.ru. IN A 188.168.33.0 IN AAAA 2a02:618:7::
 - •I have chose servers which will have anycast-ns1 or -ns2 addresses (one server has one anycast address)
 - •I have chose servers which will be Anycast DNS class1 or class2

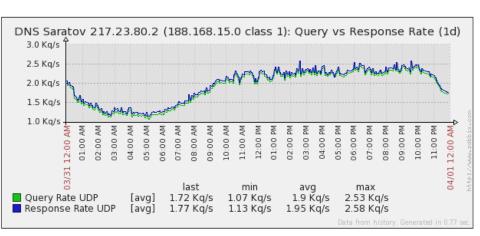
Connection of one Anycast DNS servers

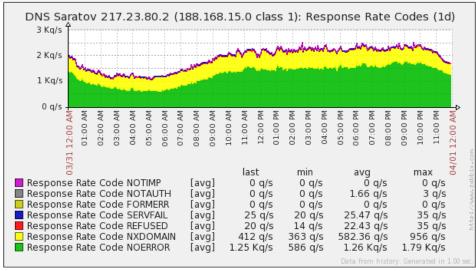


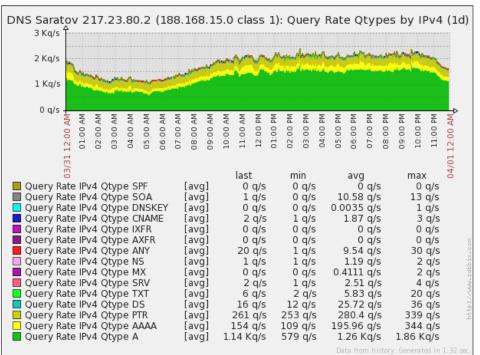
How this become after Anycast DNS has been implemented

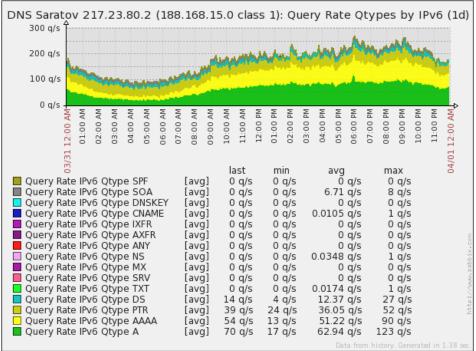


Monitoring DNS. Software: Zabbix+DSC*

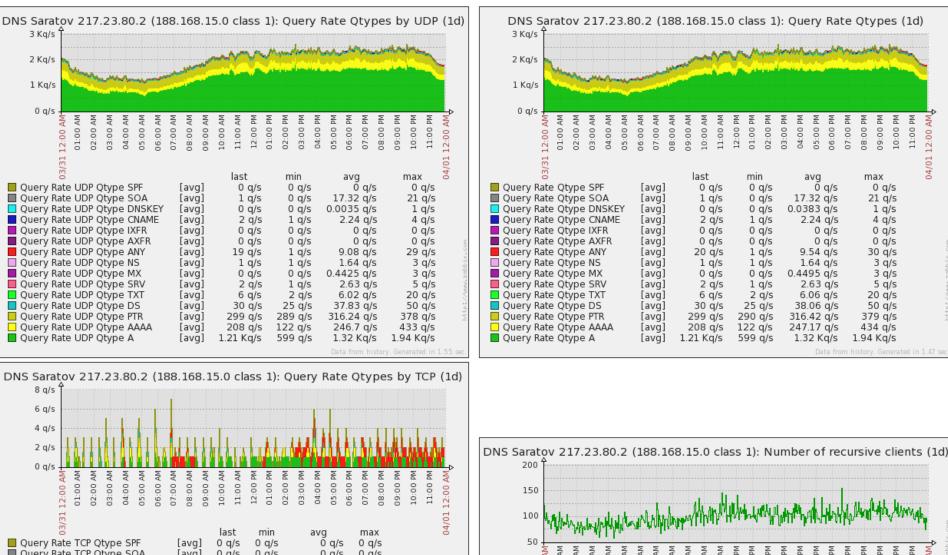


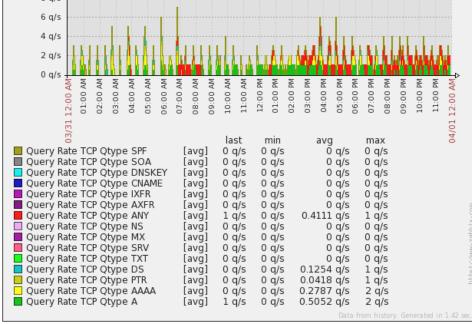


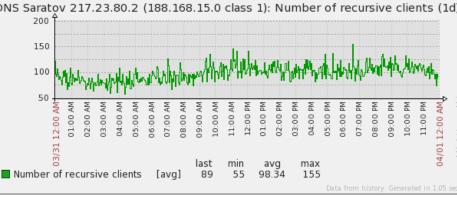


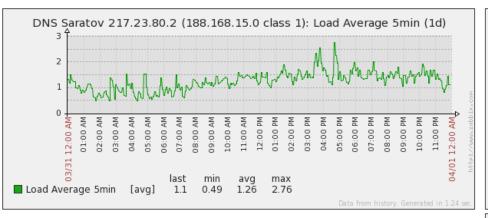


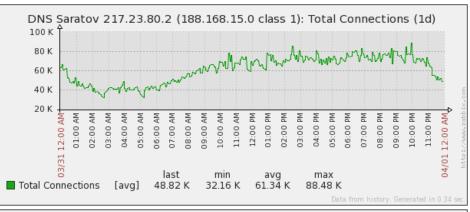
^{*}Collector DNS https://www.dns-oarc.net/

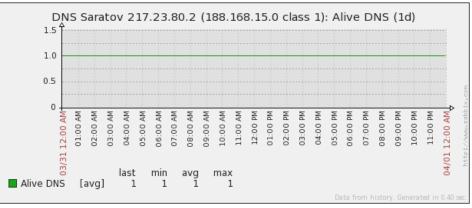




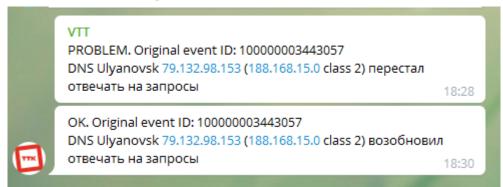








Telegram Bot





Thank you! Questions?

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