SPEED UP THE PERFORMANCE OF YOUR DNS

WITH OUR ANYCAST NETWORK!

Anycast Network is a revolutionary routing method where one IP address is used by multiple servers at different locations simultaneously. The routers decide to which servers to connect based on routing tables, then it quickly connects the user to the selected server and reduces its latency.

Worldwide we have 34 nodes and their number is growing. With our network, your website will be fast accessible and available anywhere in the world.

WORLD CLASS SERVICE

What is DNS?

DNS (Domain Name System) is a hierarchical domain name system implemented by DNS servers with a unique IP address. The main task of the DNS server is to translate easy-to-remember domains to the IP addresses of their servers. Once a user enters a domain in their web browser, a request is sent to the DNS server that will send the browser the IP address of the server.

The difference between Unicast DNS and Anycast DNS

Unicast DNS
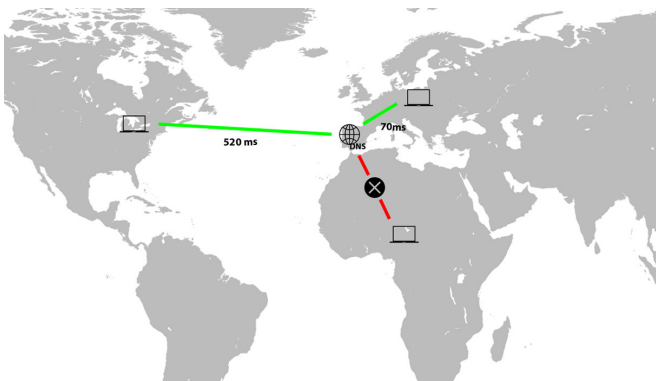
Unicast networks are standard DNS networks as you know them but do not always meet the needs of the client. There is no way to mitigate or eliminate DDoS attacks, reduce latency in different countries or balance their burden. The reason is that in unicast network the domain names are mostly located in one place, at the site of the physical installation of the server.

Anycast DNS
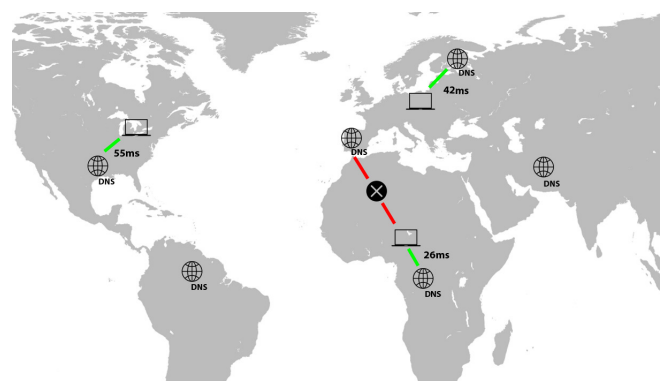
In the Anycast network, this role is supplanted by several DNS servers that are mutually substitutable and duplicated. Using the Anycast DNS network, we can always ensure optimal load distribution, minimize latency, and maximize page loading speed. With our network, we provide our customers with full redundancy and low latency reliability across all continents.

Why Anycast

Potential problems of classic Unicast DNS

Higher Response Time:

In the case of a large user distance from the location of the DNS server, the time needed to exchange information between the browser and the DNS server is prolonged. As a result, the site loads longer.

Unavailability:

In case that DNS server is unavailable for any reason, domain conversion does not work at that IP address, so visitors will not be able to access your website.

Benefits of Anycast DNS

An Anycast DNS network automatically transmits your DNS records to all 34 nodes around the world. No matter where the visitors of the website are located,as a result of Anycast network,your records are placed in a close proximity to their location. So your website is loading much faster. The undisputed advantage is, if one of the nodes is unavailable, the requests are automatically redirected to the nearest node. Thanks to this feature, Anycast Network is much more resistant to DDoS attacks than Unicast.

Why Anycast:

•   one IP address at all locations
•   reliability
•   high availability
•   location / decrease of latency
•   load distribution
•   resistance against the DoS

Major Advantages of Anycast Network:

•   The most important advantage is the latency reduction. Users from different locations around the world are routed to the nearest service point.
•   High availability. The technical problem of any node does not affect the remaining nodes in any way. This ensures constant availability.
•   High Resistance against Distributed DoS Attack. Operation of the overloaded node takes over the neighbor node.

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