



“It was easy for us to double our number of locations with NetActuate. For the cost of one traditional colocation, where we pay for the rack, routers, servers, and the upstream, we deployed 10 additional PoPs in a week.”

– Klaus Darilion, Head of Operations, RcodeZero

THE CHALLENGE

RcodeZero is a subsidiary of the Austrian domain registry nic.at. RcodeZero was searching for a partner to help them launch BGP anycast DNS as-a-service, geared primarily towards ccTLDs and ngTLDs. This new offering would also provide secondary services for registrars and enterprises. During their search, they found that:

- Few hosting providers offer BGP anycast for VPS and dedicated servers
- Most providers do not have many points of presence (PoPs) that provide anycast
- It was difficult to find consistency among ISPs (making optimal routing impossible)

WHY BGP ANYCAST?

Anycast technology enables NetActuate’s clients to increase the speed and reliability of their web content delivery to end users by having the same IP address reachable on multiple geographic locations (nodes).



Faster Connections

Anycast enables user requests to be directed to the node closest to them geographically, minimizing round-trip time (RTT), decreasing the number of hops, and reducing latency.



Improved Reliability

With redundant servers, the service is more highly available. If the one server is down for any reason, service will automatically be routed to an available server with the next best route.



Load Balancing

Routing users to multiple servers will effectively balance load among the servers, improving speed.



DDoS Mitigation

Anycast reduces the impact of DDoS attacks, as they will likely be localized to one server and not impact the entire service.

OUR SOLUTION

NetActuate Solution Specialists worked closely with RcodeZero to deploy a global anycast network with 10 geographically distributed PoPs across the United States, Europe and Asia. Leveraging NetActuate’s virtual infrastructure, RcodeZero now offers a robust new service that has increased their customer base and revenue.

Through their partnership with NetActuate, RcodeZero maximized their investment by deploying 10 virtual locations in a week for the price of one traditionally collocated server.

To find out more about how NetActuate can help you deliver in tomorrow’s marketplace today, please call **800.419.COLO (2656)** or visit netactuate.com.