



K.Root Anycast

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History and Motivation

- Operated by RIPE NCC, hosted at LINX in London since may 1997
- Desire for code diversity lead to development of NSD
- Desire for higher availability and greater resiliency of K motivated our anycast effort as described in RIPE-268

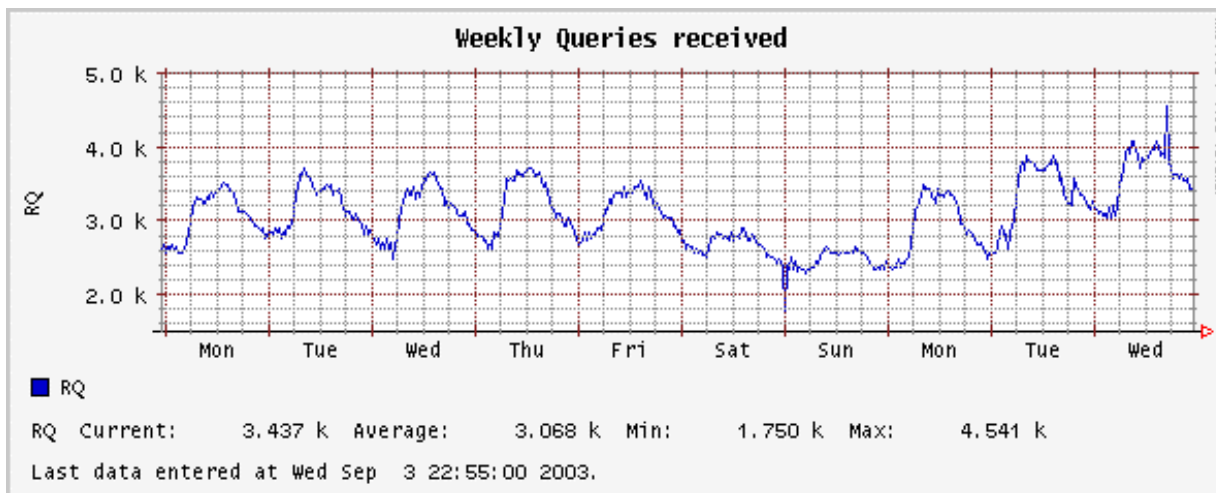
Status

- Began Anycast effort in earnest in July 2003
 - Moved K into its own AS 25152
 - Built clusters in London and Amsterdam
 - Brought the AMS-IX instance online
 - LINX instance behind AS5459, doing AS path prepend at AMS-IX

Current Query Load

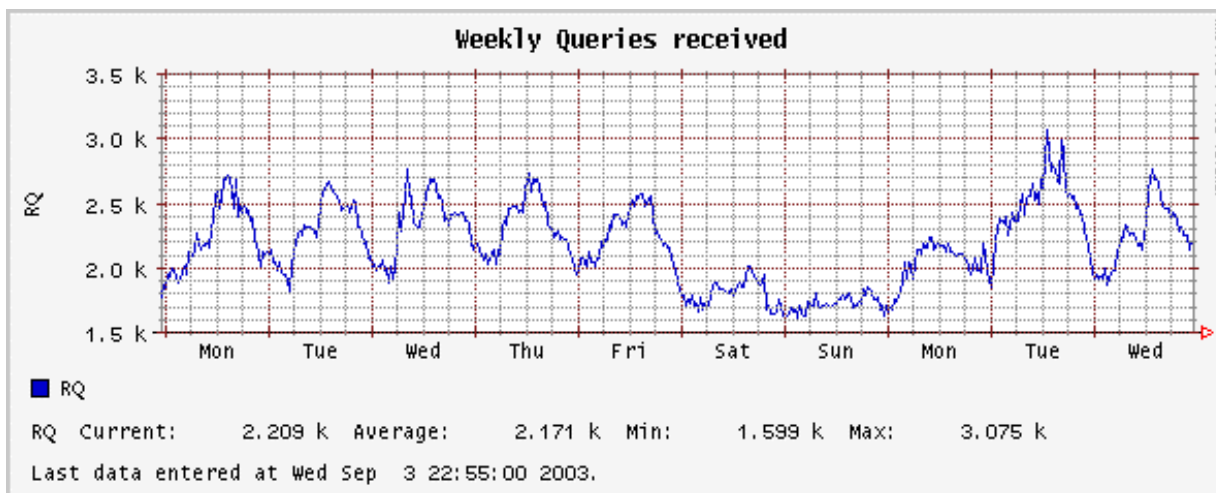
LINX

Average: 3100 q/s



AMS-IX

Average: 2200 q/s



Future Plans

- Deploy ipv6
 - Have received our /32 in the last week
 - Will begin testing after the meeting
 - Expect to have ipv6 in production in a matter of weeks

- Deploy further instances
 - Currently investigating what form these will take
 - Keen to hear from IXP operators interested in hosting a K instance

More Information

- Want to peer with K at AMS-IX ?
k-peering@ripe.net
- Interested in hosting a K instance ?
k-anycast@ripe.net
- Information and statistics
<http://k.root-servers.org>

