Overview

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Statistics

• Traffic
  • Protocol 41 – traffic tripled
    • Sustained higher levels post W6D
  • 6to4 - over 50% increase
    • Higher post W6D with fluctuations
  • Teredo – largely unchanged
    • Comcast has not deployed any Teredo infrastructure
Statistics (continued)

- Traffic
  - Native IPv6 – ~6x increase during W6D, ~10x post W6D
  - Consistently higher post W6D
  - 6rd – ~2x increase during W6D, fluctuating post W6D
  - Enterprise native – over ~10x increase at peak (only where native dual stack is deployed)
  - ISATAP - ~2x increase
Statistics (continued)

• DNS
  • Post W6D non-trivial subset of participants are still publishing AAAAs
  • Caching AAAA query volumes minimally fluctuated during W6D
Measurements

• test-ipv6.comcast.net
• ~4x increase in the # of tests executed on W6D
• Preliminary analysis suggested dual stack IPv4 case failure rate was higher than expected
Support requests

- Call center volumes were generally lower or typical
  - No out of the ordinary increases
- One email support request to received during W6D
Preparation

• Complimentary Apple upgrade kits were sent to users that had questionable test-ipv6 results
• Problem test-ipv6 cases were queued for follow up and resolution
Content

- Comcast.net content available over IPv6 for W6D
  - No AAAAs for www.comcast.net
  - Worked well, no issues reported to date
  - Analysis ongoing
Observations

• Thank you ISOC
• W6D was largely uneventful and successful
• More IPv6 traffic was expected
• Minor adjustments identified
Reminders

- NOGLab
  - Please visit and check out NANOG52 NOGLab
  - Register for giveaways

- Comcast IPv6 Trials
  - Seeking more trial users around Denver metro, please contact me
Thank you

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