Topics

- Deployment statistics
- How we got here
  - Regional autonomy
  - Project management
    - Systems

  - Communication
    - Don't/won't break IPv4

Where we are

Participating Network	ASN(s)	IPv6 deployment
KDDI	2516	9.93%
ATT	6389, 7018, 7132	10.72%
Comcast	7015, 7016, 7725, 7922, 11025, 13367, 13385, 20214, 21508, 22258, 33287, 33489, 33490, 33491, 33650, 33651, 33652, 33653, 33654, 33655, 33656, 33657, 33659, 33660, 33661, 33662, 33664, 33665, 33666, 33667, 33668, 36733	5.38%
Verizon Wireless	6167, 22394	33.37%
Free	12322	18.16%
RCS & RDS	8708	15.79%
Deutsche Telekom AG	3320	4.64%
Swisscom	3303	16.09%
Time Warner Cable	7843, 10796, 11351, 11426, 11427, 12271, 20001	1.48%
Chubu Telecommunications	18126	20.53%

Show 10 entries   Search:

Showing 1 to 10 of 216 entries

First Previous 1 2 3 4 5 Next Last

http://measurements.worldipv6launch.org

Where We Are

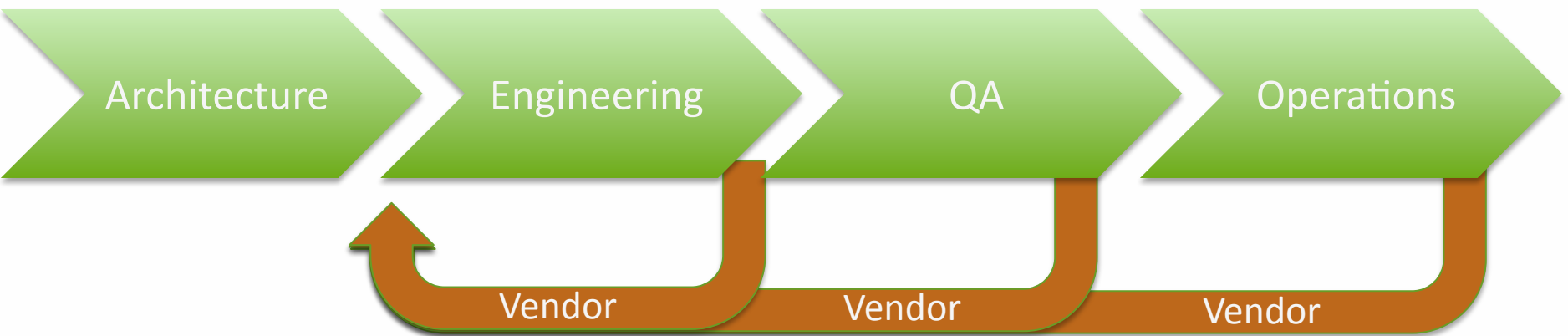- 1.48% per http://measurements.worldipv6launch.org
- We're actually closer to 4.25% of 11 million subscribers, adding more daily.
- IPv6 traffic is about 0.2% of IPv4
  - 4.25% of users generating 0.2% of traffic =>
    When you turn on IPv6, 15% of your traffic uses IPv6

How Did We Get Here?

- Sponsorship
  - Business case
- Regional autonomy
  - Business case
  - Project management

How did we get here?

- Communication
  - Don't break IPv4!
- Training
  - Call center level 1: Don't worry
  - Call center level 2-3: IA_NA, IA_PD, ping6, traceroute6
  - Remedial IPv4
- Web site

Measure Performance

	Hub1	Hub2	Hub3	Hub4
www.google.com	10ms/10ms	11ms/9ms	10ms/9ms	10ms/11ms
www.facebook.com	20ms/183ms	35ms/38ms	22ms/29ms	10ms/10ms
www.youtube.com	11ms/9ms	10ms/9ms	10ms/11ms	18ms/25ms
www.yahoo.com	35ms/38ms	75ms/30ms	10ms/9ms	10ms/11ms
www.wikipedia.org	25ms/29ms	35ms/38ms	22ms/29ms	10ms/10ms
. . .				

- Measure performance to top websites
- Compare IPv4/IPv6, highlight poor performers
- Troubleshoot

Where are we going?

- Enabling IPv6 on edge (CMTS)
- Enabling IPv6 on Cable Modem (CM)
  - Retail gateways
  - More modems
- More products!
  - Business Services
  - Voice
  - Video
  - Intelligent Home

Discussion

Time Warner Cable® | ENJOY BETTER