IPv6 Deployment in the Region

1/06/2012

IPv6 – Technology and Application

Hanoi, Vietnam

Michael Biber Acting Chair of APIPv6TF
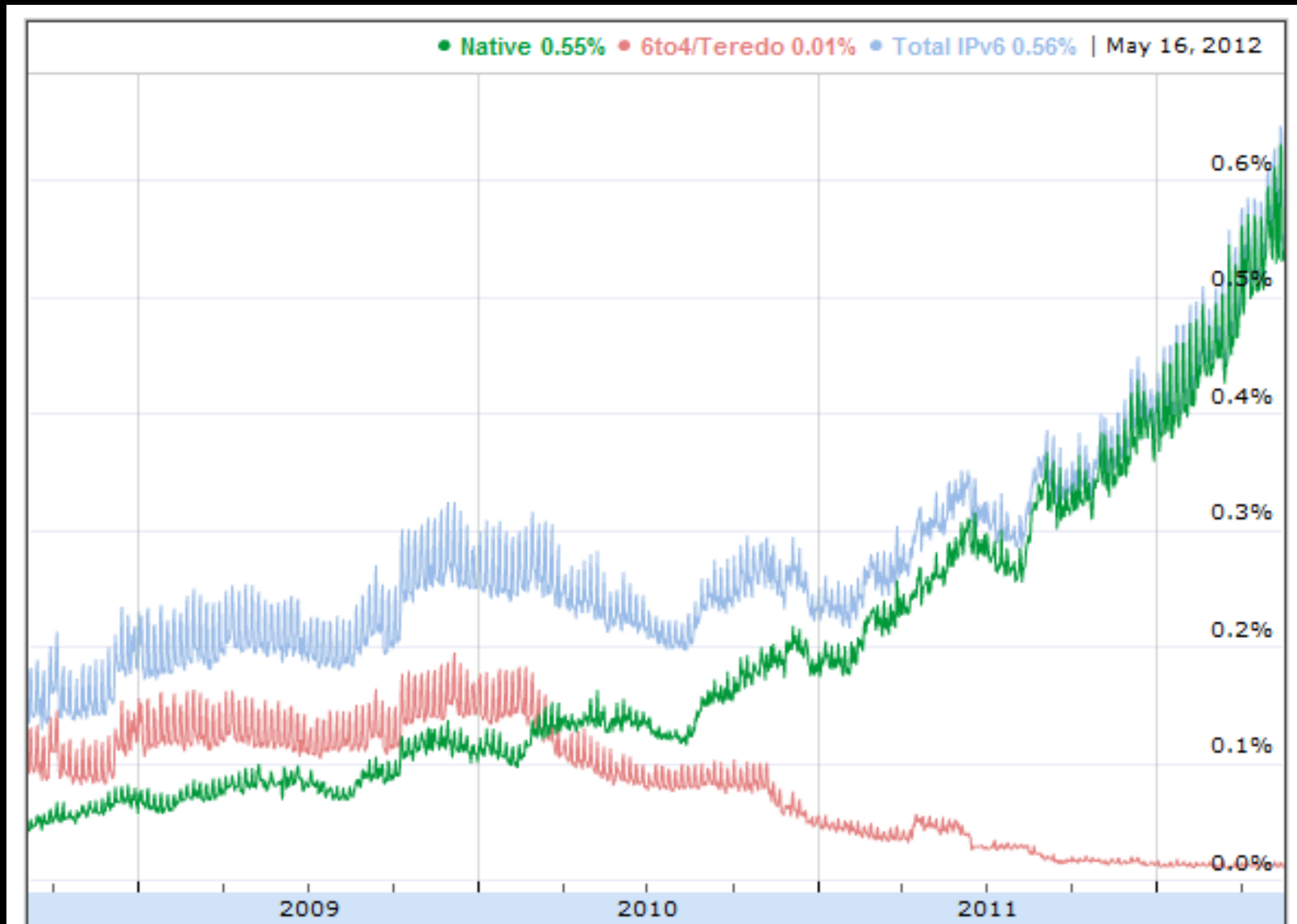
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IPv6 deployment
Global

- According to labs.apnic.net IPv6 monitoring data (http://labs.apnic.net/ipv6-measurement/):

Group	IPv6 Preferred (%)	IPv6 Capable (%)
OECD	0.3	4.6
G20	0.3	4.8
BRICS	0.2	7.9
APEC	0.2	4.8

- Still long way to go from actual deployment point of view
- But IPv6 deployment is picking up its pace

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Google© 2012 Stats - Traffic

http://www.google.com/intl/en/ipv6/statistics/

Supporting IPv6 deployment in the AP Region

- 56 Regional Economies (APNIC LIST)

AFGHANISTAN	INDONESIA	NORTHERN MARIANA ISLANDS	PITCAIRN
AMERICAN SAMOA	INDIA	MALDIVES	SAMOA
AUSTRALIA	BRITISH INDIAN OCEAN TERRITORY	MALAYSIA	SOLOMON ISLANDS
BANGLADESH	JAPAN	NEW CALEDONIA	SINGAPORE
BRUNEI DARUSSALAM	CAMBODIA	NORFOLK ISLAND	FRENCH SOUTHERN TERRITORIES
BHUTAN	KIRIBATI	NEPAL	THAILAND
COCOS AND KEELING ISLANDS	DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA	NAURU	TOKELAU
COOK ISLANDS	REPUBLIC OF KOREA	NIUE	TIMOR-LESTE
CHINA	LAO PEOPLE'S DEMOCRATIC REPUBLIC	NEW ZEALAND	TONGA
CHRISTMAS ISLAND	SRI LANKA	FRENCH POLYNESIA	TUVALU
FIJI	MARSHALL ISLANDS	PALAU	TAIWAN
MICRONESIA (FEDERATED STATES OF)	MYANMAR	PAPUA NEW GUINEA	VIETNAM
GUAM	MONGOLIA	PHILIPPINES	VANUATU
HONG KONG SPECIAL ADMINISTRATIVE REGION OF CHINA	MACAO SPECIAL ADMINISTRATIVE REGION OF CHINA	PAKISTAN	WALLIS AND FUTUNA ISLANDS

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Supporting IPv6 deployment in the AP region

- APIPv6TF periodical economy update:
  - Support each other by sharing information
  - As an effort to increase IPv6 deployment in the Asia Pacific region
    - To share IPv6 deployment experience by industry
    - To share successful experience on partnership between government and industry

Supporting IPv6 deployment in the AP region

APIPv6TF 6 periodical economy update:
- efforts to increase IPv6 deployment in the Asia Pacific region

- Australia
- China
- India
- Singapore
- Taiwan

- Malaysia
- Japan
- New Zealand
- Pakistan

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APIPv6TF economy update
http://meetings.apnic.net/33/program/apipv6tf

40min	⊞ **Efforts to increase IPv6 deployment**		
	Economy Update Australia Mike Biber, IPv6 Forum, Australia	Slides 1.5 MB	Slides 433.0 KB
	Economy Update China Bao Congxiao, CERNET, China	Slides 808.0 KB	Slides 696.2 KB
	Economy Update India N Ram, Department of Telecommunications, Ministry of Communications & IT, India	Slides 675.1 KB	Slides 2.8 MB
	Economy Update Japan Tomohiro Fujisaki, NTT, Japan	Slides 1.1 MB	
	Economy Update New Zealand Dean Pemberton, IPv6 Task Force, New Zealand	Slides 253.5 KB	Slides 151.5 KB
	Economy Update Pakistan Aftab A. Siddiqui, IPv6 Task Force Pakistan Cybernet, Pakistan	Slides 526.2 KB	Slides 2.0 MB
	Economy Update Singapore Chargonda Shravan Kumar, Singapore	Slides 483.5 KB	
	Economy Update Taiwan Dr. Ren-Hung Hwang, TWNIC	Slides 1.9 MB	Slides 1.5 MB

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Economy update
Examples

- Australia
  - State and Federal Government initiatives
    - IPv6 ready by the end of 2012
  - Partnership between governments and the industry
    - Government services, websites, procurement criteria, outsources services: IPv6 requirement
- China
  - State Council statement (Dec 2011)
    - IPv6 based network deployment in small-scale commercial pilot use
      - To form an IPv6 business model by the end of 2013
    - Deploy commercial IPv6 network on a large scale network and achieve v4/v6 coexistence in 2014 – 2015

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Economy update
Examples

- Singapore
  - iDA's initiative: IPv6 Transition Program
    - Engage with local industry players
    - Create initial IPv6 demand & supply
    - Develop a local pool of IPv6 competent workforce
- Taiwan
  - IPv6 UP
    - A Program initiated by Taiwan Government transition to IPv6
    - More from TWNIC's presentation ☺

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Way forward

- Next APIPv6TF meeting
  - 29/08/2012 in Phnom Penh, Cambodia
  - Join us and share your stories from Vietnam
- World IPv6 Launch
  - 6th June 2012
  - Initiative from network operators to deploy IPv6 and not to turn it off
    - http://www.worldipv6launch.org/

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APIPv6TF Mailing List

- Open to all, subscribe at:

  http://www.ap-ipv6tf.org/join-us

  More information at
   http://www.ap-ipv6tf.org/

Thank you!

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