IPv6 is Sexy

and other IPv6 myths
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• Network Integration & Security Advisor
  – North American IPv6 Task Force (NAv6TF)

• Network Scientist
  – RavenWing, Inc.

• President & CEO
  – Best4Men.com
    • (First IPv6 enabled retailer in the US)

• CISSP, RHCE
The NAv6TF

- Industry independent
- All volunteer
- Support the adoption and deployment of IPv6

- [www.NAv6TF.org](http://www.NAv6TF.org)
- Sneak Peak: IPv6 Knowledge Base
An Introduction to Mythbusting

• Easily misquotable
• Please ask questions
• Please ask for clarification
The Biggest Myth of All

• IPv6 is Sexy
IPv6 – The Shoes of the Internet

Couch Potato

Jogger

Pro-Athlete

Net Surfer

Tinkerer

Network Admin
IPv6 – The Shoes of the Internet

95% of users

100% of management

Net Surfer

Tinkerer

Network Admin
Myths

• The transition to IPv6 will be easy.
• No more NATs … EVER!
• Better Security
• Improved Battery Life
• We’ll never run out of IPv6 addresses
• All the big vendors support IPv6
• Software that supports IPv6 is ready for production systems
• This IPv6 stuff is new to everyone
IPv6 is New

- China & Japan lead the world in usage and deployment
IPv6 Growth on Earth

- Countries that have less IPv6-reachable websites (4 month window):
  - 1 site less: Bolivia, Brunei, Ecuador, Germany, Malta, Romania, Sri Lanka, Switzerland, Taiwan, Thailand, Uruguay, Venezuela, Vietnam
  
  - 2 sites less: Indonesia, Kuwait, Mexico, Pakistan, Panama, Tunisia, UK, US
IPv6 Growth on Earth

• Countries that have more IPv6-reachable websites:
  – Egypt, Jordan, Libya, Oman, Palestinian Territory, Sudan, Syrian Arab Republic, Yemen, Bulgaria, Greece, Jamaica, Moldova, Nicaragua
Towards a “Rosier” Ending: Features

- Due in June – 6 Months
- IPv6 is difficult to implement
- Huge address space
- Extensible Datagram
- Efficient base header & option processing
Potentials

• Bragging Rights
• Re-Numbering
• End to End
• Mobile IPv6
• Sensor Networks
• Social Networks
• Product Tethering
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