G.E.E.K.6
GOVERNMENT EMPOWERING AND EMBRACING THE KICKOFF OF IPV6
G.E.E.K.6 Day ...

- Invitation ...
  - October 31, 2007
  - 8:30AM – 4:30PM
  - Open to all agencies
  - Requirements –

**MUST** be a Federal employee or contractor directly supporting an Agency/Bureau transition effort
Planning

- We Planned
  - Build Team
  - Analysis
  - Core Definition
  - Vision
  - Lab
  - Training

- Approach: Plan some, Do some
- Based on the Operational Stability and Security needs of the IRS, a measured approach to IPv6 was necessary
What We Tested

- IPv6 – Enable/Disable
- Addressing
- Static Routing
- Basic Security
- Routing
  - EIGRP
  - BGP
  - ISIS
  - OSPF
  - RIP
- DNS (BIND 9.4.x)
- Auto-config
- DHCP
- Internet Testing
  - Firewall Configuration
  - DNS Operation
  - Web Server Operation
Where to start?

Large Address Space

/32 = 79.2 Octillion Addresses (that’s 27 0’s)

Do it right, keep it organized, keep it centralized
Lesson Learned

- What we learned
- Appendix- IPv6 information
Contact Information ...

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Q & A