

The logo features two large, light pink arrows forming a circular path. The top arrow points right and contains a red number '6'. The bottom arrow points left and contains a small black number '4'. The text 'G.E.E.H.6' is centered in a bold, black, sans-serif font.

G.E.E.H.6

GOVERNMENT EMPOWERING AND EMBRACING THE KICKOFF OF IPU6

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

IP Address Management

- 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