IPv6 and Layer 7

Workshop!

Overview

- General Considerations re: using IPv6

- Systems

- DNS

- Web Server

- Mail Server

- Firewall

Transition Styles

- Parallel networks

- NAT

- Tunneling

- Dual Stacking

Dual Stack = Twice the work?

- Firewall rules

- DNS entries

- etc.

Gotchas

- Poor support by packages/products (compared to IPv4)

- IPv6 assignment isn't the same as IPv4 - much more flexible.

- Publicly routable IPs (or not)

Systems

OS X

Workshop Time

http://github.com/cybera/ipv6-system

Tools

- ip4.me - external IPv4 address

- ip6.me - external IPv6 address

- IPvFox - Firefox Extension

- IPfoo - Chrome Extension

DNS

Web Server

Mail

Firewalls