

IPv6, IETF, and the Different Deployment Stages

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The Role of the IETF

- Basics: the specifications for IPv6 – Done!
- Maintenance
 - Correcting bugs, operational guidance
 - Very similar to what we do with IPv4
- Addressing new deployment requirements:
 - Ongoing!
- New features
 - Often IP-version agnostic, sometimes related to feature parity

Shifting Focus

- Prior focus has largely been in the basics
- Emphasis is now on co-existence and specific deployment scenarios
 - Keeping IPv4 alive while at the same time moving forward with IPv6 (Dual-Stack Lite)
 - Enabling networks to use IPv6 before all other networks use it as well (Translation)
- But most of the deployment effort is practical
 - vendors, providers, planning, configuration