



Wireline: Incremental IPv6

draft-ietf-v6ops-wireline-incremental-ipv6-01

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Short History

- ▶ Individual Submission July 2011
- ▶ Accepted as WG Document in IETF 82 Taipei
- ▶ Posted as WG Document November 2011
- ▶ Updated February 2012 based on comments on list
- ▶ Initial feedback on
 - ▶ inclusion/exclusion of NAT64 (and related technologies)
 - ▶ Focus on IPv6 and less focus on IPv4 (per discussions at IETF82)



Document Changes

- ▶ **Changes made moving to version -00**
 - ▶ Text updates and edits
 - ▶ New Sections Added
 - ▶ Updated References

- ▶ **Changes made moving to version -01**
 - ▶ Refocus document to concentrate more on IPv6 deployment (less emphasis on IPv4 continuance)
 - ▶ Phase 3 now called “IPv6-Only” vs “IPv4 Tunneled”
 - ▶ Text updates (spelling, typos, awkward text)



Transition Phases

▶ Phase 0

- ▶ Foundational Items (routing, policy, security, transition architecture)
- ▶ Preparation for IPv6 Network

▶ Phase I (Tunneling)

- ▶ Managed/Assist Auto-Tunneling (6to4, Teredo)
- ▶ Introduce 6RD as early option
- ▶ Most tools on IPv4, main capabilities (content to be added)

▶ Phase 2 (Native Dual Stack)

- ▶ Mature IPv6 environment, add in CGN if needed
- ▶ Mature IPv6 tools, capabilities, operational proceeds

▶ Phase 3 (IPv6 Only)

- ▶ IPv6 now mature, services on IPv6 now (for the most part)
 - ▶ Utilize IPv4 tunneling and/or translation if required
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Next Steps / WG Feedback requirements

- ▶ Document -02 planned with additional considerations information
 - ▶ New content being suggested, will circulate with WG
 - ▶ Other WG input welcome (text, suggestions and/or references)
 - ▶ Add “for further reading sections” to consolidate included and other important references
- ▶ Need to agree on the following:
 - ▶ Do we include NAT64 and/ or draft-ietf-v6ops-464xlat-01 in Phase 3 discussion/information
 - ▶ Are there other technologies which should be considered / and / or references needed?
 - ▶ Is IPv6 focus correct/agreed to (so far on list – yes)



Following -02

- ▶ **Following -02 (based on input) should we**
 - ▶ Look for WGLC?
 - ▶ Are there structural issues in document that need to be addressed or;
 - ▶ Should more/less information be included

