

SUNSETTING IPV4 WG (SUNSET4)

IETF 92

Wednesday, 25 March

Afternoon session II, 15:20-16:20 CDT

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Administrivia

- We need a Note taker(s) -
<http://tools.ietf.org/wg/sunset4/minutes>
- We need a jabber scribe(s)
 - Jabber room – sunset4@jabber.ietf.org
 - Post which slide we're reviewing
 - Check to make sure remote participants have working audio
 - Relay remote comments to the mic
- Please sign the blue sheets

Agenda

- Identify outstanding items necessary to complete the WG drafts
 - additional reviews, changes to respond to previous feedback
 - Gap Analysis draft
 - No IPv4 draft
- Making forward progress
 - Identify future work (if any)
 - gauge interest in whether the group should continue (do we have people to do the work we think needs to be done?)

Gap Analysis: Changes & Next steps

- Added some text from draft-george-ipv6-support
 - Recommends IETF update previous set of gap analysis RFCs
 - Identify gaps that are still outstanding
 - Identify new gaps in RFCs written since original gap analysis RFCs were published
 - This more exhaustive analysis will not be completed within this document
- Document almost ready for LC unless someone suggests more gaps
- Next Steps
 - Additional reviews from people doing IPv6-only deployments (suggestions, volunteers welcome)
 - Other WG reviews?

no-ipv4: Changes

- New primary editor/author
- Text review and wording changes
 - Focus on DHCPv6 option based on previous discussion
- Other things to add or augment
 - Applicability/Use Cases
 - Local connectivity (Home Use case)
 - Timing (IPv4 Sunset timeline example)
 - Security considerations

no-ipv4: Next Steps

- Propose some scenarios
 - Middle ground (no IPv4 from ISP, local IPv4 available)
 - Manual configuration override
 - Hosts vs. home routers behaviors
 - Recommend using Link-local IPv4?
- Describe a timeline/steps
 - Describe steps or stages for sunseting IPv4 in an ISP + home environment
 - Enterprise Scenarios

WG future

- Two documents pending WG adoption:
 - Draft-chen-sunset4-cgn-port-allocation
 - removed IPR-encumbered text
 - Charter milestone
 - Draft-song-sunset4-ipv6only-dns
 - -00 draft, needs more reviews
- WG has only ever made progress during meetings (no substantial list traffic) & meets inconsistently
- There are real IPv6-only deployments now, hopefully increasing interest/participation in Sunset4
- Discussion between Sunset4/V6ops chairs about where “IPv4 as a service” belongs (next slide)

New project: IPv4 as a service

- Premise:
 - IPv6-only networks
 - IPv4 is a necessary but fading requirement
- Write operational guidance regarding deployment and use of
 - 464xlat
 - SIIT-DC
 - MAP with encapsulation
 - MAP with translation

Does this belong in V6ops or Sunset4?

Slide stolen from Fred Baker 😊

Discussion



Photo:
Jared Mauch