

# SUNSETTING IPV4 WG (SUNSET4)

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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](mailto: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 sunsetting 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