v6ops working group

IETF-60
San Diego

Monday & Thursday 2nd and 5th Aug 2004

Co-chairs:
Pekka Savola <pekkas@netcore.fi>
Jonne Soininen <jonne.soininen@nokia.com>
Agenda for 1st session

Agenda: Monday 2nd Aug, 1930-2200

○ (NOTE: more verbose agenda on the web!)

○ Introduction and agenda bashing - 5 mins, Chairs/Soininen
○ Document status - 15 mins, Chairs/Savola
○ VLAN Usage for IPv6 Transition - 5 mins, Chown
○ Enterprise solution case study - 20 mins, Chown
○ Assisted Tunneling Requirements - 15 mins, Durand
○ Moving forward with Mechanisms - 45 mins, Chairs/ADs
○ Secure IPv6 Tunneling - 10 mins, Graveman
○ IPv6 Security Overview - 10 mins, Savola
○ Tunnel-endpoint discovery - 10 mins, Palet
○ What to do with NAT-PT applicability statement - 5 mins, Chairs/Savola
IPv6 replacement for NAT boxes - 10 mins, van de Welde?
Moving forward, take two - 60 mins, Chairs/ADs
Transition mechanisms update - 5 mins, Chairs/Savola
IPv6 Mobility Scenarios - 10 mins, Williams
"Auto-transition" - 10 mins, Palet
Distributed v6 security reqs etc. - 10 mins, Palet
Advanced L3 IPv6 Exchange Model - 10 mins, Palet
Measurement of misbehaving DNS servers - 5 mins, Savola
What have we achieved with WG items since IETF59?

- 8 IPv4 survey documents published as RFCs
- Unmanaged scenarios published as RFC
- Unmanaged analysis in RFC-ed queue
- A lot of documents basically done (past IESG evaluation)
  - 3GPP analysis
  - ISP scenarios & analysis
  - 6to4 security analysis
  - Application transition
  - Transmech-bis
  - Renumbering procedure
- Enterprise scenarios sent to the IESG
- IPv6-on-by-default issues docs sent to the IESG
  - But require waiting for "official fixes" to be worked out
- Assisted tunneling requirements is at WG LC
WG Status - progress since IETF59

What have we achieved with consensus?
- WG Consensus to go for PS for Teredo & 6PE
  - Routing ADs have agreed to advance 6PE
  - Internet ADs have agreed to advance Teredo
- Lots of good discussion about ISATAP/tunnel-server model

What has been achieved with non-WG items?
- A simplified ISATAP spec is in RFC-editor’s queue
- Draft on secure v6-in-v4 is out
- Draft on ways to replace NATs/private addressing in progress
- Draft on tunnel-endpoint discovery etc. is out & revised
- Draft on enterprise solutions case study is out
- Etc.

What do we still have to achieve?
- Decision(s) on ISATAP, assisted tunneling, etc.
- Decision(s) (by IESG) where to continue the work (new WG?)
- Enterprise analysis doc?
- Continue the operational aspects
Document Status: RFCs
- Trans-mech
  - PS, revision almost done.
- NAT-PT and SIIT
  - Would require applicability statement. To be discussed.
- 6TO4 and 6to4 Anycast
  - The security analysis mostly done
- 8 Survey of IPv4 Addresses -documents
- 3GPP and Unmanaged scenarios
Document Status: WG documents (1/2)

- In RFC editor’s queue
  - Unmanaged analysis
- Done, waiting for AD to send to RFC editor
  - 6to4 Security Analysis
  - Application Transition
  - ISP Scenarios & Analysis
- Almost Done, past IESG evaluation
  - 3GPP analysis
  - Transmech-bis
  - Renumbering Procedures
Publication requested from the AD
  ○ Enterprise scenarios

Still requiring more work
  ○ IPv6-on-default & On-link by default
    ▶ IESG comment: must not be published until the fixes have been officially ratified

At WG Last Call
  ○ Assisted Tunneling Requirements

Not started yet
  ○ Enterprise analysis; a case study to be presented though.

Future work items?
  ○ Secure IPv6 tunneling ("IPv6-in-IPv4 IPsec")
  ○ IPv6 Transition Security Overview & other work