ngtrans

CHAIRS: <ngtrans-chairs@sun.com>

Alain Durand <alain.durand@sun.com>
Tony Hain   <alh-ietf@tndh.net>
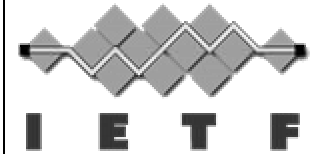Margaret Wasserman   <mrw@windriver.com>

http://www.ietf.org/html.charters/ngtrans-charter.html

I E T F
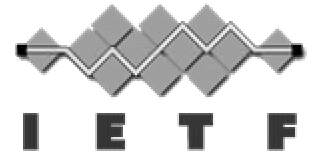
Agenda
9-11:30 Wednesday July 17

Introduction and Agenda Bashing

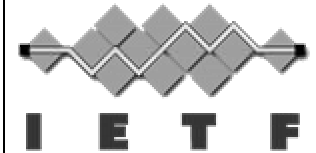Problem Statements & Scenarios

Evaluations & Solutions

Transition Mechanism Applicability

ngtrans Charter & Document Status Discussion

Interim Meeting Discussion

Agenda

9-11:30 Wednesday July 17

Introduction and Agenda Bashing -- Chairs (5 min)

Problem Statements & Scenarios
  Overview of Design Team Concept   -- Tony Hain (5 min)

  3GPP Team   -- Jonne Soininen (10 min)
    <draft-soininen-ngtrans-3gpp-cases-00.txt>

  Unmanaged Networks Team   -- Christian Huitema (10 min)
    <draft-ietf-ngtrans-unmanscope-00.txt>

  ISP Team   -- Cleve Mickles (10 min)
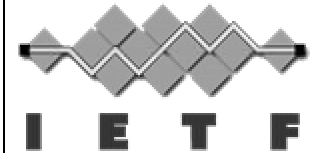   <draft-mickles-ngtrans-isp-cases-00.txt>

Evaluations & Solutions
  3GPP Transition Solutions   -- Juha Wiljakka (10 min)
    <draft-wiljakka-3gpp-ipv6-transition-00.txt>

  Unmanaged Networks Evaluation   -- Christian Huitema (10 min)

Agenda

9-11:30 Wednesday July 17

Transition Mechanism Applicability

    Transition Interactions   -- Alain Baudot (5 min)

        <draft-ietf-ngtrans-interaction-01.txt>

    DSTM   -- Jim Bound (10 min)

        <draft-ietf-ngtrans-dstm-overview-00.txt>

    ISATAP   -- Fred Templin (10 min)

        <draft-ietf-ngtrans-isatap_scenario-00.txt>

    BGP Tunnels   -- Francois Le Faucheur (10 min)

        <draft-lefaucheur-bgp-tunnel-transition-00.txt>

    NAT64/NAT46 Mechanism   -- Alain Durand (10 min)

        <draft-durand-ngtrans-nat64-nat46-00.txt>

NGTrans Charter Discussion

    Review Proposed Charter Wording   -- Alain Durand (15 min)

    Discuss On-going Work   -- Margaret Wasserman (15 min)

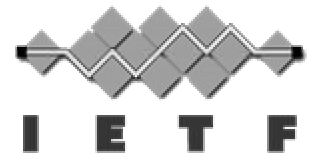   What should progress, and what should wait for environment draft output?

Interim Meeting Discussion   -- Margaret Wasserman (5 min)

ngtrans direction

The current environment
document efforts

IETF

Environment documents goals

- Provide ***at least one*** complete description for how to deploy IPv6 in common environments.

- Verify that all components necessary for deployment in a specific environment exist, interoperate correctly, and that any gaps are clearly identified.

- Provide a context for the IESG to evaluate documents being forwarded for standardization.

Environment documents process

- Chairs established 4 design teams to create a set of catalyst documents to focus discussion in each area.

- Initial document drafts are personal submissions which focus on a description of each environment and the set of problems that need to be solved.

- If additional environments need to be documented, a design team or personal submission may be proposed to the working group.

- Subsequent revisions as a working group documents will describe how a set of ngtrans tools are used to deploy IPv6 in that environment.

Environment documents the groups

I E T F
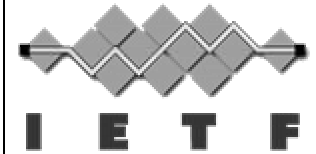
- 3GPP

  mobile services for small devices with modest bandwidth
  (likely IPv6 only)

- Unmanaged

  small or home office where there is no technical expertise

- Managed

  enterprise network with trained technical management staff

- Service Provider

  address differing service models   core, dsl, hfc, dial, etc.

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Charter update

Goals

- Specify the tools and mechanisms that might be used for transitioning the Internet to IPv6. This includes advancing existing mechanisms along the standards track, as well as retiring any excess mechanisms that don't have a wide domain of applicability, and filling any critical weaknesses identified in item 2.

- Document how at least one complete set of transition tools and mechanisms work together when used in various common scenarios for a transition to IPv6. These documents will identify any special considerations for the deployment stages of primarily IPv4, various stages of mixed, and primarily IPv6 environments.

- Coordinate appropriately with other IPv6 related IETF activities and activities in other organizations.

ngtrans direction

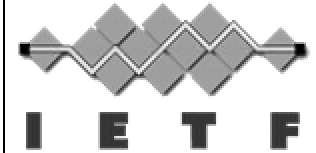Status of existing documents
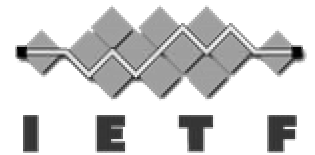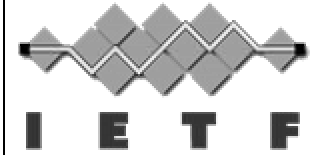
WG items categorization

- Standard work that can advance
- Informational work that can advance
- Work on hold

What do we mean by: "Work on hold"

Documents are on hold for progression to the IESG waiting for the environment scenario documents.

Work within the working group is appropriate for those items with a clear role in one of the environment documents.

New work items?

New work items not listed above require the approval of the working group before they will be taken on. They should fit in at least one of the environment scenarios and clearly demonstrate that existing tools are inadequate. Priority will be given to work items that will most broadly affect the transition and coexistence of IPv6 and IPv4 in the global Internet. The focus of the working group has shifted from tools and mechanisms to actual plans to transition the most important pieces of the Internet infrastructure to a world of coexistence of IPv4 & IPv6.
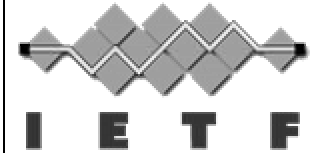
Existing documents

- **Informational RFC projects:**

  IPv4SURVEY | TRANSITION | INTERACTION | DNS-OPS-REQ | IPv6-SMTP-REQUIREMENT | MOVING | MTP |

- **Standard Track projects:**

  MECH | 6to4 | 6to4-ANYCAST | 6to4-MULTICAST | 6to4-DNS | SHIPWORM | ISATAP | SIIT | SIIT-DSTM | DSTM | DSTMEXT1-AIIH | NAT-PT | BGP-TUNNEL | MIME-TYPE |

- **Experimental RFC projects:**

  BIA |

ngtrans direction

Interim meeting

Interim meeting