



TF-NGN: GTPv6 IPv6 Working Group

@Tromso, 18 June 2001

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Agenda

- News and updates
- 6NET status
- Juniper proposal
- Tromso IPv6 presentation
- NREN reports
- Work item updates
- AOB



Network updates

- SURFnet moving to tunnelled link
- UNINETT pvc link is down
 - (so we bring GTPv6 to Norway instead ☺)
- RESTENA allocated 3ffe:8039:0000::/34 (tun)
- ARNES allocated 3ffe:8035:0000::/34 (tun)
- CESNET allocated 3ffe:803d:0000::/34 (pvc)
- POZNAN allocated 3ffe:8033:0000::/34 (tun)
- More...?



Other topics

- DNS
 - Reverse lookups (contact David H to enable)
 - And the A6 saga...
 - Testing DNSSEC at IETF? (London, 5-10 August)
- International connectivity – seek links
 - Possible Juniper M5 link to 6TAP
 - Possible link to Japan via UCL
- Survey of transition tools
 - Tell Stig what you've tested so far...



Core router, and stats

- Core router
 - Making routing table available “live”
 - Other useful diagnostic/monitoring tools?
 - TIPSTER6 has set a good example...
 - ... and also Joop at CERN
 - Maybe seek IPv6 RIPE monitoring boxes?
 - Possible upgrade/replacement of core router?
 - Use as an exchange point for production prefixes?
 - 6bone continuation?



NREN IPv6 Projects

- See new “member projects” page at
 - <http://www.ipv6.ac.uk/gtpv6/>
 - Please submit more URLs...
- Special projects
 - e.g. JOIN, Bermuda, TIPSTER,...
- Other initiatives
 - e.g. monitoring, applications development



IPv6 applications db

- Run by Janos at BME
- Contains IPv6-enabled applications
- Can search
- Can add new items(?)
- <http://tipster6.ik.bme.hu/ipv6port/index.cgi?lang=en>



6NET status

- No official news from Commission yet
 - Bid was submitted on 25th April, with 7 NREs
- Other issues include:
 - Management-level discussions on July 2nd(?)
 - Technical work package discussions
 - Interconnectivity of 6NET to GTPv6 partners
 - Bridging equipment until project starts?
 - Overlap with GTPv6 activity
 - Do we keep "QTPv6" experimental net as well?



Juniper proposal

- Possible loan of Juniper router
 - One M5 in GEANT, one at 6TAP
 - Run a link between them
- Need GEANT host site
 - Must have Juniper engineers nearby
 - Resources to host it (NREN or TEN-155 PoP)
 - Good connectivity (tunnel if needed)
 - Agree a test programme
- Jean-Marc Uze will present in this session



Japanese links...

- Available IPv6 ATM PVC to Japan
 - 45Mbit/s capacity, until Nov 2001 at least
 - UCL manages proposals for use of the link
 - Assumes a partner at each side
 - Use for general IPv6 between GTPv6-Japan?
- Hitachi GR2000
 - Being marketed more aggressively in Europe
 - A variety of models available
 - Perhaps use on Japan PVC...
- Post-IETF meeting(s)? (Valentino?)



New initiatives

- IPv6 concertation meeting
 - June 21, led by 6WINIT
 - Bring together EU IPv6 projects – useful for GTPv6
 - What might we (GTPv6 or 6NET) be able to offer?
- NGNI Project
 - June 22, see <http://www.ngni.org/>
 - Many technologies, not just IPv6
- IPv6 Task Force
 - June 25, see <http://www.ipv6-taskforce.org/>
 - Industry, vendors, academia,... reporting Spring 2002



Recent IETF discussions

- Interworking with 3GPP people
 - Interim meeting at Redmond recently
 - Minutes available
- Mobile IPv6 Binding Update security
 - Need a solution
- Renumbering requirements
 - How often, how rapid? A6? Implications for sites.
- Private addressing
 - Global non-provider-based addresses
 - Example document address space



NREN IPv6 updates

- UNINETT & Tromso
- DFN/JOIN
- Renater
- AConet
- SWITCH
- RedIRIS
- SURFnet
- UKERNA
- CERN
- BME
- RESTENA
- CESNET
- GARR
- ARNES
- POZNAN
- Others...



Work items

- Primary
 - Routing
 - DNS
 - Registries and addressing
 - RIPE 39 report
 - Press /29 issue?
 - Transition tools
 - Applications
 - Add notes to db?
- Secondary
 - IPsec
 - Firewalls
 - Janos' presentation
 - Network monitoring
 - Multihoming
 - Wireless/mobility
 - Mobile networks
- GEANT deliverables
 - D9.x?



AOB?

- Other discussion topics?
 - What's needed for an IPv6-only site?
 - Take on board Tromso IPv6 experience
- Anything else?

