MBONED
Chicago IETF
July, 2007

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E-GLOP

• Dave Meyer and I submitted proposals to ARIN, RIPE and APNIC to instantiate the e-GLOP proposal (RFC 3138)
  – It became rapidly apparent that this was a long term (likely > 1 year) proposition.
  – However, I started working with IANA, and now I am not sure that there is a need for e-GLOP service from the RIRs, as this could be folded into IANA’s work.
  – Should there be a new RFC to support this?
Address Assignment Issues

• Are we on the verge of an IPTV Multicast address assignment land-rush?
• In April, I became the IESG Expert to IANA for this.
• There appears to be 3 basic classes of requests (so far)
  – Edge device developers that want one address
  – Financial services (such as stock exchanges)
  – IPTV
IPTV Land Rush?

• IPTV as it has developed uses IP Multicast.
• True, it is mostly a closed network use, but
  – This is mostly ASM
  – There is thus a need for addresses anyway
  – One obvious path to open deployment is to push outside content into these networks
  – I think that many of the IPTV developers are well aware of this
• This could represent a large number of address assignments.
  – 10,000’s of /24’s is not out of the question.
IPTV Land Rush?

• One /8 (and there are several available) is of course $2^{16}/24$’s, or 65,536, so in principle we could support an IPTV land rush if we wanted to.
  – The eGLOP space represents 1024 such /24’s.

• These people really need SSM, especially if they want to do interdomain multicast video.
  – There needs to be a smooth solution for SSM $\rightarrow$ ASM conversion on a domain boundary.

• My idea is to
  – Write an RFC allowing IANA to assign eGLOP.
  – Assign IPTV blocks in that space, along with 32 bit ASN number space.
    • Should 32 bit ASN assignments be as automatic as GLOP?
  – Anyone interested in a RFC cookbook for SSM $\rightarrow$ ASM conversion?
    • Could / should this be done with AMT?
draft-ietf-mboned-addrarch

• I regard this as a very important draft
  – It is stuck on address assignment issues.

• Primary issues are
  – IPv4 unicast-prefix-based
    • Is there an interest is resurrecting this?
    • (Speak now, or…)
  – eGLOP
    • I feel comfortable with a way forward here.
Charter Issues

• In Prague, we discussed a new charter for MBONED.
• There was a spirited discussion about the role of MBONED.
• Is MBONED going to remain
  – Committed to end to end deployment issues ?
  – Including but not limited to inter-AS issues ?
  – All the other issues are just timing and details.
    • (IMHO)