Homenet Architecture

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This slot...

• Changes to draft since IETF84
• Naming and service discovery
  – The last part of the text to nail down
  – Authors feel the rest of the text is done
• Open questions
Changes since IETF84

• Over 300 list emails
• New text in naming and service discovery section
  – This is the major change/update (section 3.7)
• Pruned some expired ‘example’ drafts
  – Some more still to cut when we’re ready to WGLC
• Added text about multiple ULA /48’s
• Recommend against prefixes longer than /64
• Added some text about multicast (desirable)
• Noted hosts may benefit by knowing realm they are in
• A number of minor edits/clarifications
Naming and service discovery

• Section 3.7 restructured
  – Discovering services
  – Assigning names to devices
  – Name spaces
  – The homenet name service
  – Independent operation
  – Considerations for LLNs
  – DNS resolver discovery
• Single name space desirable
  – May be delegated by ISP or a third party (vanity domain)
  – If no global name space available, use “.sitelocal” or “<UniqueString>.sitelocal”
  – Do we need the <UniqueString> to disambiguate?
• Local, caching authoritative server
  – Local trust anchor
  – Secondary can be run by the ISP
• Homenet name service must coexist with global name service
  – Zeroconf devices need way to add/remove entries to/from global DNS
  – No statement made on whether mDNS or unicast DNS should be used inside the homenet
Other open questions?

- What to say about NPT66?
  - Not recommended?
  - Out of scope?
- Any others?
Are we done?

- Given we update the draft based on comments here in Atlanta, are we then ready to WGLC the document?