AUTOCONF BOF:
review & status

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Background (1/2)

- Ad hoc node may need to autoconfigure either or both:

  - Global scope address, if a gateway is available

  - MANET-local scope address, for standalone networks

- Current status:

  - No standard mechanism and definition related to autoconfigurati
    ad hoc node

Background (2/2)

- MANET list has carried discussions of auto configuration ideas and requirements almost since [manet] was chartered.

- There have been several autoconfiguration drafts

  - None of them have been accepted as working group drafts

- Has never been a charter item

- Many outside projects (e.g., military) have shown th need

Purpose of the BOF

- Goal:
  - confirm that we can agree to develop a std.track solution to address autoconfiguration in MANETs.

- How:
  - review "historic" proposed solutions
  - review usage scenarios & requirements
  - discuss problem statement & charter

Proposed charter

- To develop an address autoconfiguration solution, supporting:
  - stand-alone, hybrid and/or intermittently connected mobile ad-hoc networks
  - IPv6 and/or IPv4
  - unique address assignment in face of:
    - network partition
    - network merger
    - random node mobility within network
    - random node joining/leaving network

Autoconf Status

- Mailing-list:
  - ~200 subscribers
  - lively discussions
- Drafts :
  - proposed solutions
    - envisioned/theoretical proposals
    - implementation documentation
  - problem-statements, requirements, scenarios

WWW-page

- [http://www.lix.polytechnique.fr/Labo/Thomas.Claus ETF/MANETAUTOCONF](http://www.lix.polytechnique.fr/Labo/Thomas.Claus/ETF/MANETAUTOCONF)

  - I-D's (also some historic)

  - mailing-list archives & subscription information

  - Autoconf Abstract

- Next step
  - Autoconf WG …. ?
  - Another BOF …. ?
  - Give-up …. ?

Thanks !

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