

Ad-hoc Network
Autoconfiguration BOF
62th IETF, MN, 2005

Agenda

- Agenda Bashing (Shubhranshu/Clausen) 5 min
- Background & Status (Shubhranshu/Clausen) - 15 min
- Summary of existing proposals (Shubhranshu/Clausen) - 20 min
- Connectivity scenarios for Manet (Ruffino) - 15 min
- Problem Statement (Perkins) - 20 min
- Proposed Charter (Shubhranshu/Clausen) - 5 min
- Open Discussion - 30 min
 - "Should a WG exist?"

Background & Status

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Three phases

- Phase 1: “ancient” history (~00)
 - individual drafts, particular solutions, academic interest
 - no wg chartered - no “mature” MANETs (no RFCs)
- Phase 2: San Diego, ‘04
 - several interested parties (& authors) present....
 - ...with industrial needs & deployment scenarios
 - a number of informal bar-BOFs
 - OLSR, AODV, TBRPF routing protocols as RFC
 - initial work on “scenarios” and “requirements”

Three phases

- Phase 3: Washington, '04
 - scenario & requirements drafts
 - some implementation experiments
 - large bar-BOFs, good momentum:
 - creation of mailing-list
 - decision to explore possibility for BOF / wg creation

Status

- Mailing-list:
 - ~200 subscribers
 - lively discussions
- drafts (next slides):
 - proposed solutions
 - envisioned/theoretical proposals
 - implementation documentation
 - problem-statements, requirements, scenarios

Drafts - General

- draft-wakikawa-manet-ipv6-support-00.txt
- draft-jeong-manet-addr-autoconf-reqts-04.txt
- draft-ruffino-conn-scenarios-00.txt
- draft-singh-autoconf-adp-00.txt

Drafts - Solutions

- draft-chelius-adhoc-ipv6-XX.txt
- draft-weniger-manet-addressautoconf-ipv6-XX.txt
- draft-pakkonen-addressing-htr-manet-XX.txt
- draft-perkins-manet-autoconf-XX.txt
- draft-singh-manet-mmg-00.txt
- draft-wakikawa-manet-global6-XX.txt
- draft-cha-manet-gateway-autoconf-v6-XX.txt

Drafts - Solutions

- `draft-jeong-manet-aodv-addr-autoconf-XX.txt`
- `draft-mase-manet-autoconf-noaolsr-00.txt`
- `draft-laouiti-manet-olsr-address-autoconf-00.txt`
- `draft-clausen-manet-address-autoconf-00.txt`
- `draft-jeong-adhoc-ip-addr-autoconf-04.txt`
- `draft-jelger-manet-gateway-autoconf-v6-03.txt`

Why Are We Here?

- 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

WWW-page

- <http://www.lix.polytechnique.fr/Labo/Thomas.Clausen/IETF/MANETAUTOCONF>
 - I-D's (also some historic)
 - mailing-list archives & subscription information
 - BOF Abstract

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