IGMP and MLD Snooping Switches

draft-ietf-magma-snoop-00

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Outline

- Brief history
- Whats new in magma–00
- Resolved issues
- New issues and findings
- Future directions

Draft history

- 49’ San Diego 2000 – idmr comment on this
- 50’ Minneapolis 2001 – first draft
- 51’ London 2001 – second draft
- 52’ Now magma WG item – third draft

Motivation

IGMP snooping falls between IETF and IEEE
IGMP snooping products exist

Goal

BCP or Informational

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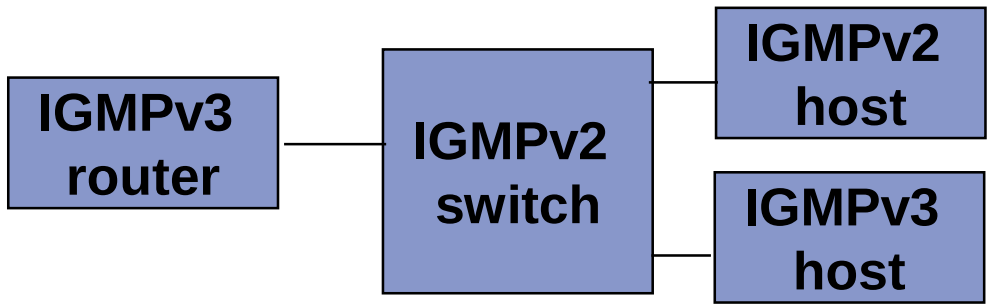
New in third draft

- Editorial changes
  - IPR section added
  - Current practices section added
  - Clarify snooping requirements
- Other activities
  - MAGMA mailinglist solicitation for comments on draft and questionnaire
  - Questionnaire also sent to selected companies
  - The draft –01 was informally sendt to IEEE 802 chair but so no response has been received yet

Resolved issues

IGMPv3 and IGMPv2

- Administratively configure Router to IGMPv2



- IPv6
  - Snooping algorithm specified
  - ICMPv6 && MLD Message Types

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New issues and findings

- Addition of IGMP proxying option
  - Allow 0.0.0.0 as SIP for proxy-reporting?
- Snooping questionnaire
  - 3 companies replied so far
  - Very much in agreement
  - Probably won’t get more answers
- Patents in this field?
  - May or may not be relevant
  - Info sent to secretariat
  - Mentioned in the draft
  - Authors not involved

Future work

- Still need a few more switch vendors to reply
  - But how?
- Await response/feedback from IEEE?
  - Is it needed? (~6 month waiting so far)
- IGMP specialists comments
  - Invitation to join in
- IPv6 comments are welcomed
  - Have not received any IPv6 comments yet

- What next?