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

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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
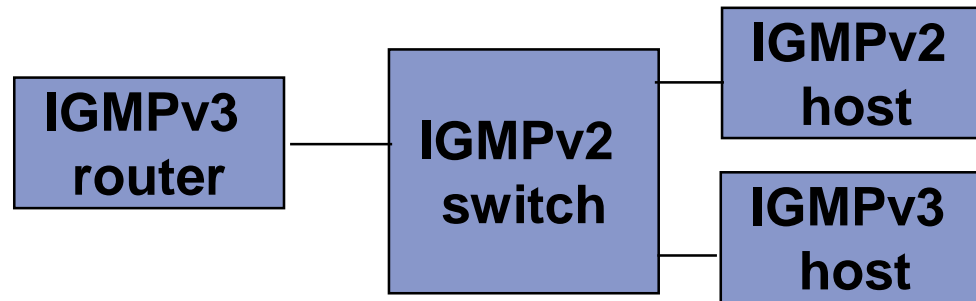IGMP snooping products exist

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

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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

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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?