cisco IP Multicast Release Status

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IETF Mbone BOF
December 4, 1995

Agenda

- Release 10.2 and 10.3
- Release 11.0
- Miscellaneous Features
- Release 11.1 and Future

Release 10.2 and 10.3

- 10.2 shipped in October ‘94
  - Contains Sparse- and Dense-mode PIM version 1
  - Limited DVMRP interoperability support
  - DVMRP and GRE tunnels
  - mrinfo support
  - Multicast related MIB support
- 10.3 shipped in March ’95
  - 10.2 and 10.3 are multicast feature compatible
  - Bug fixes track each other
- General Availability
  - 10.2(10)
  - 10.3(7)

Release 11.0

- New feature release shipped in September '95
  - Current release is 11.0(3.3)
  - *** Don't use my images ***
- Fastswitching support - including tunnels
- DVMRP Pruning/Grafting
  - Mapped into and out of PIM Prunes/Grafts/Joins
- mtrace responder and command support
- mrinfo command support
- Rate limiting and Weighted Fair Queuing
- sd listener support

DVMRP Unicast Routing

- Put into 10.2, 10.3, and 11.0
- The current way to do policy based multicast
  - Unicasts go one way, Multicasts go another
- ciscos run Sparse-mode PIM over MBONE topology using DVMRP routes to RPF
  - Allows a transit PIM region between DVMRP regions
  - ISPs run PIM, they connect their clients to the MBONE using PIM or DVMRP

Miscellaneous Stuff

- DVMRP Default Routing
  - In all releases
  - Will originate/propagate default route
- DVMRP Route Summarization
  - By default, ciscos send classful routes into MBONE
  - Can send CIDR routes
- Reporting facility to track MBONE route surges
- `show ip mroute active`

Release 11.1 - now beta testing

- Scoped Address support
- IGMP v2
- PIM SPT switching thresholds

Future

- PIM v2

Send Questions/Comments/Bug Reports

- multicast-support@cisco.com