Multicast data plane
OAM
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Tissa Senevirathne
How can we troubleshoot multicast data plane problems without involving servers?
Multicast data plane troubleshooting challenges

- How to troubleshoot (*,G) and (S,G) dataplane connectivity issues without getting servers involved
  - Can be very useful for hosting service providers
- How to discover Routers performing different roles
- How to verify data plane and control plane alignments
What this draft provides?

- Framework is built on ICMP
- Messaging framework that can be utilized to troubleshoot \((S,G)\) and \((*,G)\) forwarding
  - facilitate by having ability to include source address \(S\) in the IP address field and Option to include originator IP address where response to be sent.
- Allows to verify data plane and control plane alignments
- Allows to discover roles played by routers
Questions

- Your feedback on the problem space and need of an integrated tool that can be exercised from routers or within the network?
- Questions on message format etc.