Multicast Transition Scenarios

What is likely to be encountered in the real world?

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Purpose of This Presentation

Get operator feedback on what real-life scenarios they will encounter in supporting multicast while making the transition from IPv4 to IPv6

- to guide work on IPv6 transition in the IETF MBONED and PIM Working Groups

Baseline

- How many of you run native multicast in your network?
  - if no one, the talk is over.
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Sources and Receivers

- Does anyone expect to have to serve IPv6-only (not dual stack) receivers during the transition period?
- If so, does anyone expect to have to deliver multicast data from IPv4-only sources to IPv6-only receivers?

Network Viewpoint

- Does anyone foresee dealing with a situation where IPv4 multicast packets have to transit an IPv6-only network, or vice versa?
- If so, will bandwidth be enough of a consideration that the use of native multicast is desirable in the transit network?

  Alternatively, will Automatic Multicast Tunneling (next slide) be a sufficient solution?

Automatic Multicast Tunneling (AMT)

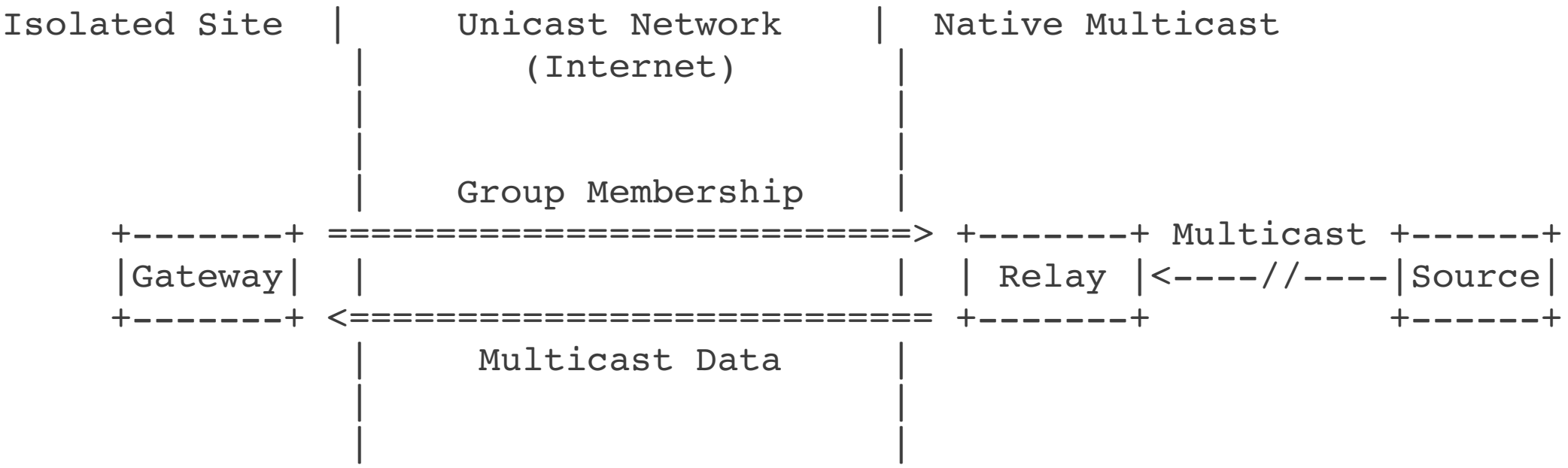

Figure 1: Basic AMT Architecture

Is this enough to serve your needs?