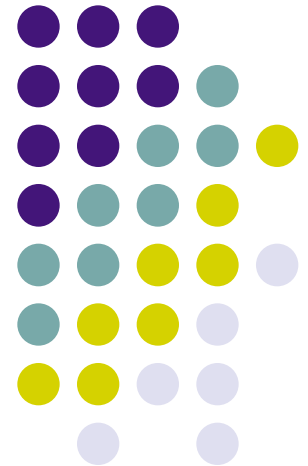


Multicast Support for 4rd

Behcet Sarikaya(sarikaya@ieee.org)

IETF 85



draft-sarikaya-softwire-4rdmulticast-04

4rd Multicast

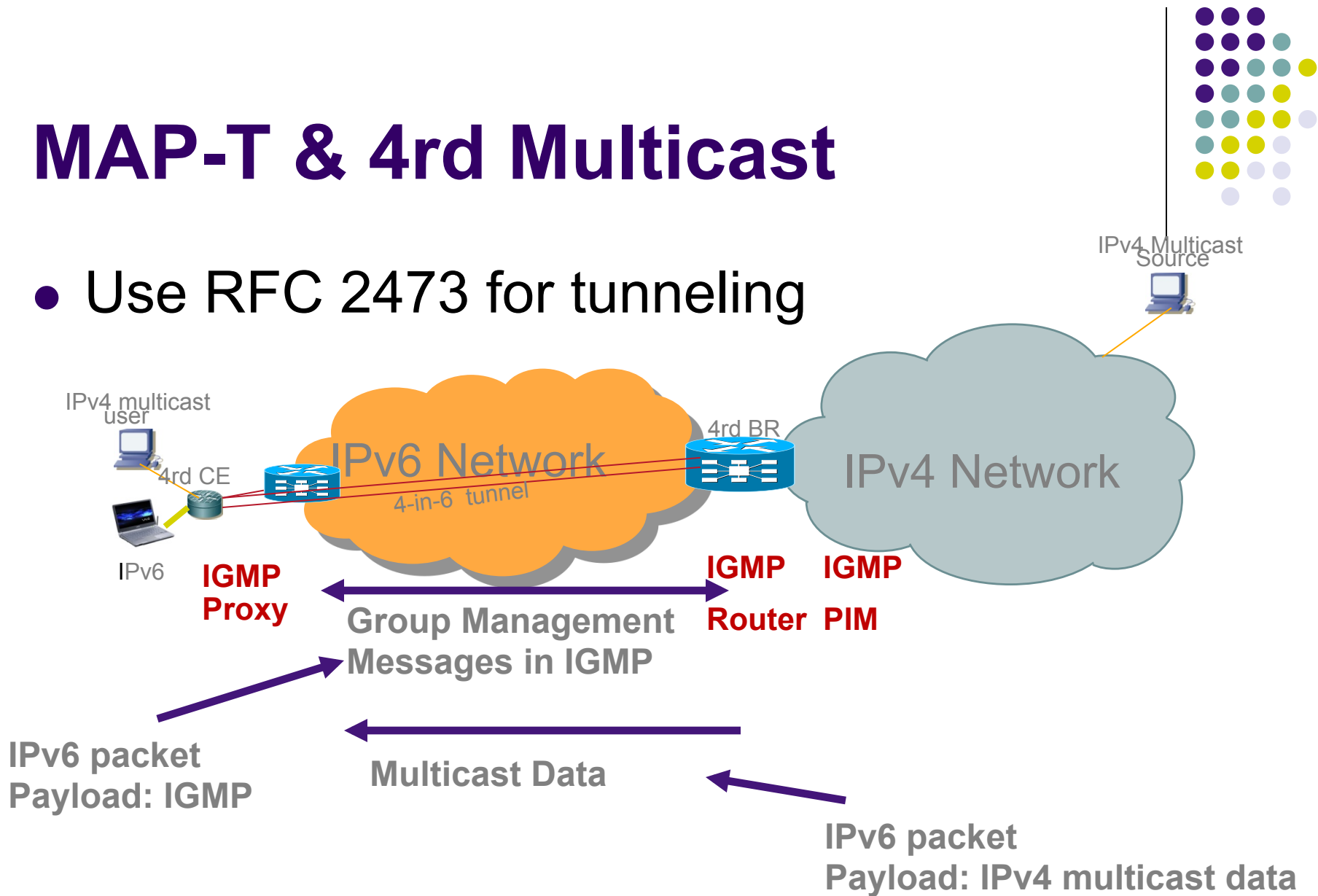
Motivation



- 4rd IPv6 transition technologies are unicast
- Multicast support approaches for 4rd are needed mainly for MAP-E but also MAP-T & 4rd to enable IPv4 host to have multicast communication over IPv6 network
- **draft-sarikaya-softwire-4rdmulticast-04** defines encapsulation for MAP-E and translation for MAP-T & 4rd based multicast support
-

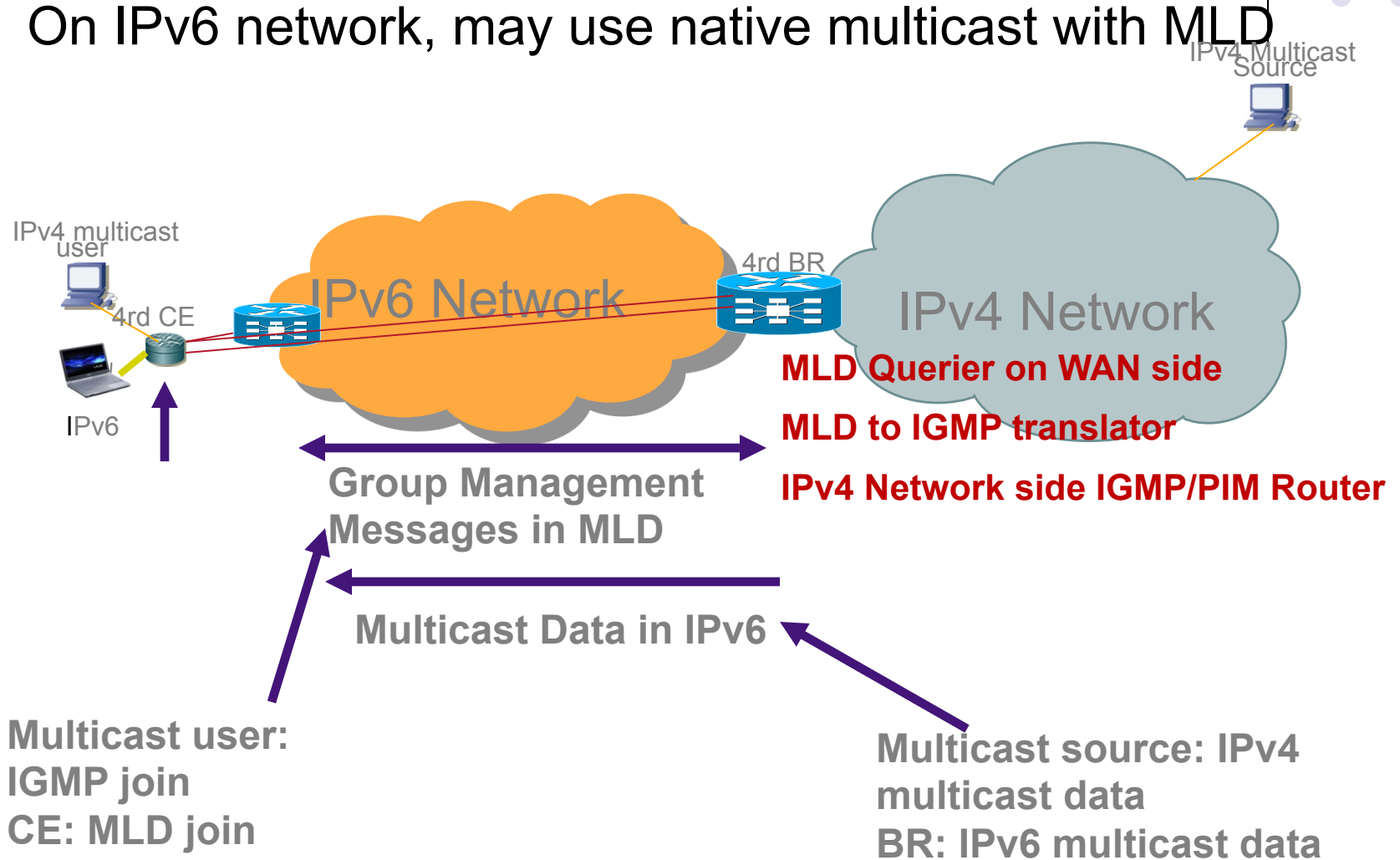
MAP-T & 4rd Multicast

- Use RFC 2473 for tunneling

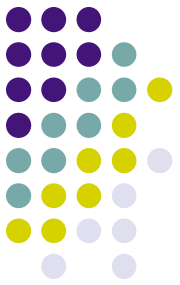


Translation Multicast

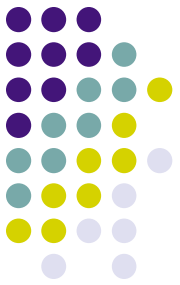
- On IPv6 network, may use native multicast with MLD



Discussion



- MAP-E multicast is based on RFC 2473 encapsulation
- Use Multiple BRs but for different groups, same group use always the same BR
- This provides more scalable solutions
- Eases the avalanche problem
-



Next Steps

- Propose to add this draft to 4rd set of WG drafts to complete the picture