RIFT Multicast Update

draft-zzhang-rift-multicast-02

Jeffrey Zhang, Pascal Thubert
IETF120, Vancouver
No New Update to the Draft/Solution

- The work has stalled for a while
- The purpose of this update is to update the WG
  - Refresh the concept and the thorny issues before we try to resurrect the work after rechartering
Refresh of The Solution

• Bidirectional sub-trees
  • Rooted at sub ToFs
  • No RPAs – each node will just send joins (TIEs) north

• The roots of sub-trees will form a spanning tree so that traffic can be from one sub-tree to another

• [https://datatracker.ietf.org/meeting/104/materials/slides-104-rift-rift-multicast-considerations-00](https://datatracker.ietf.org/meeting/104/materials/slides-104-rift-rift-multicast-considerations-00)

The Spanning Tree of Sub-Tree Roots

• Existing draft specified a way to form that spanning tree dynamically
• We need to be sure that the way is sound
  • Further scrutiny by the authors and the WG
• The complexity and (fear of) potential problems come from situations with badly broken ToF/subToF connections
  • Considering discounting those situations to simplify the solution and its proof
Next Steps

• Welcome comments/suggestions and collaborators
• Hopefully to resurrect the work after rechartering