Hackathon: RIFT InterOp

https://datatracker.ietf.org/doc/draft-ietf-rift-rift/

IETF118 Hackathon

https://github.com/brunorijsman/rift-python
RIFT

IP ROUTING PROTOCOL BUILT SPECIFICALLY FOR CLOS/ FAT TREE TOPOLOGIES

EXTREMELY SCALABLE

NO CONFIGURATION

FULLY MODELLED PACKET FORMATS

THREE KNOWN IMPLEMENTATIONS WITH 10+ PARTICIPANTS IN THE HACKATHON

INTEROPERABILITY TESTS ON DIFFERENT PARTS OF THE SPECIFICATION
DETAILS

– JUNIPER – PYTHON-RIFT ON NEWEST DRAFT FULL INTEROPERABILITY TEST
  • FULLY VIRTUAL ENVIRONMENT ON AWS
  • NO SURPRISES REALLY
  • PRZYGIELDA BRANCH OF OPEN SOURCE ON NEWEST AWS INFRA PYTHON & SCHEMA

– TESTS JUNIPER – ZTE
  • PHYSICAL REMOTE INFRA IN ZTE WITH REAL BOXES AND DOCKER INTERFACES
    – NO VIRTUAL VERSION OF ZTE SOFTWARE YET
  • ZTP + ADJACENCY ESTABLISHMENT WORKED
    – SOME DISCUSSIONS ON DIFFERENT AF CONFIG ON BOTH SIDES, DRAFT SEEMS CLEAR ENOUGH AFTER A REV
  • FULL FLOODING/DISAGGREGATION WITH DIFFERENT CASES FROM JUNIPER WORKS
    – ZTE CONSUMED INTERNAL PREFIX
  • TEST LIMITED BY DOCKER PROBLEMS WITH MULTIPLE INTERFACES EXPOSED

– LOTS DISCUSSION ON NEW DRAGONFLY+ TOPOLOGY SUPPORT & CLEVER JUNIPER IMPLEMENTATION KNOBS ;-)

– CSABA HAS STUFF BUT WAS BUSY WITH BIER, MAYBE HE SENDS SOMETHING FOR NEXT IETF
SUMMARY

1. **Hackathon Ran Out of T-Shirts** 😞
2. **Food Was Good** 😊
3. **Rift Spec Held Up** 😊
4. **Testing on HW Boxes is Tedious** 😞