

Hackathon: RIFT InterOp

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

IETF118 Hackathon

ZTE中兴

<https://github.com/brunorijsman/rift-python>

JUNIPER
NETWORKS



RIFT

IP ROUTING PROTOCOL BUILT SPECIFICALLY
FOR CLOS/ FAT TREE TOPOLOGIES

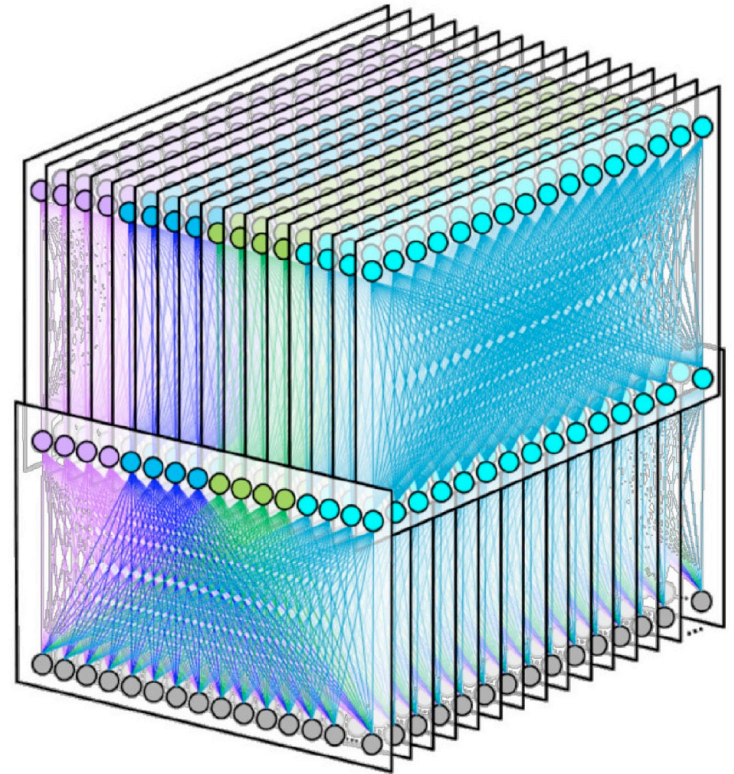
EXTREMELY SCALABLE

NO CONFIGURATION

FULLY MODELLED PACKET FORMATS

THREE KNOWN IMPLEMENTATIONS WITH
10+ PARTICIPANTS IN THE HACKATHON

INTEROPERABILITY TESTS ON DIFFERENT
PARTS OF THE SPECIFICATION



DETAILS

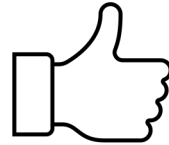
- JUNIPER – PYTHON-RIFT ON NEWEST DRAFT FULL INTEROPERABILITY TEST
 - FULLY VIRTUAL ENVIRONMENT ON AWS
 - NO SURPRISES REALLY
 - PRZYGIENDA BRANCH OF OPEN SOURCE ON NEWEST AWS INFRA PYTHON & SCHEMA
- TESTS JUNIPER – ZTE
 - PHYSICAL REMOTE INFRA IN ZTE WITH REAL BOXES AND DOCKER INTERFACES
 - NO VIRTUAL 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

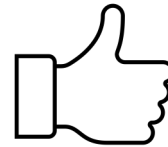
1. HACKATHON RAN OUT OF T-SHIRTS



2. FOOD WAS GOOD



3. RIFT SPEC HELD UP



4. TESTING ON HW BOXES IS TEDIOUS

