RARE
Router for Academia Research & Education
WHY are we doing all of this?
Problems statement

Needs of network aware applications

Traditional procurement life cycle workload related to network equipment acquisition

Reduce vendor lock-in

Ability to implement ADHOC features

Reduce digital divide affordable network solution without functionality trade off.
RARE mission statement

- One unified & Opensource routing platform
  - Multiple solutions (=dataplanes)
  - That fit R&E use case

**Programmable**
**At TREMENDOUS line rate!**
RARE as a base
Towards a DPP umbrella project?

- The group has acquired tremendous knowledge WRT DPP
- RARE P4 pipeline development approach
  ➔ Enable parallel development
- Appliance based on the same DPP template?
- Your thoughts?
RARE as umbrella project: example

- 1.6Tbps IN 1.6 Tbps OUT TRAFFIC MITIGATION box
RARE as umbrella project? Let’s discuss!

Questions?
Opinions?

Want to collaborate? Contact US!
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