I2RS RIB Project
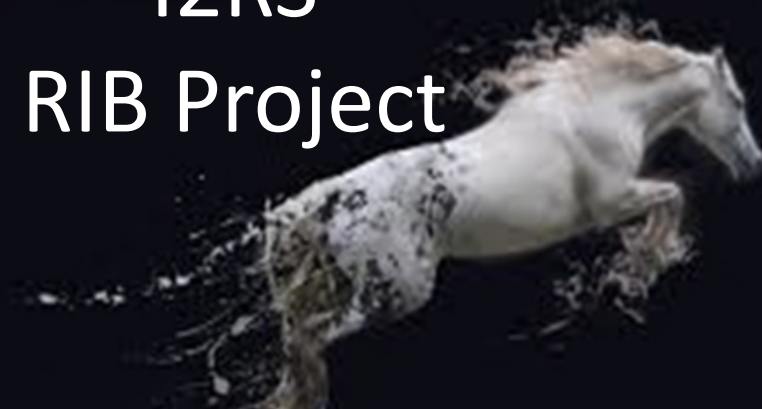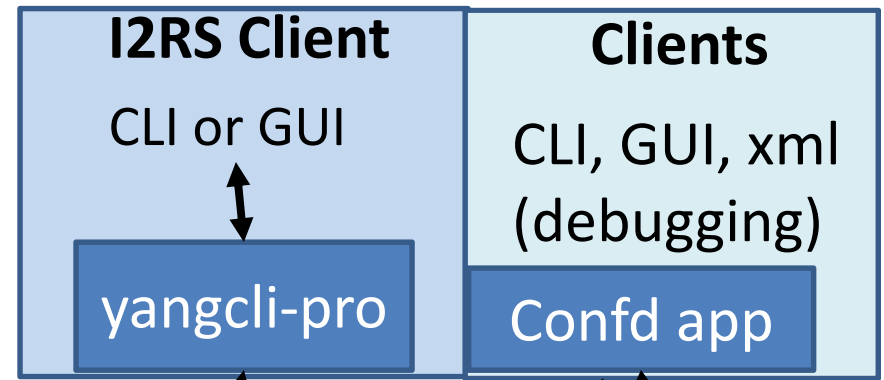
Implementing

Yang Model I2RS RIB)

- Write/Read full RIB
- RPCs (stretch goal)

Local static + I2RS Ephemeral

I2RS Client

CLI or GUI

yangcli-pro

Clients

CLI, GUI, xml (debugging)

Confd app

NETCONF RESTCONF

Network of routers simulated using mininet/mininext

Router

Router

ospf

Static

confd

l2rsd_conf

RPC

Zebra

l2rsd

Quagga

Router with i2RS agent
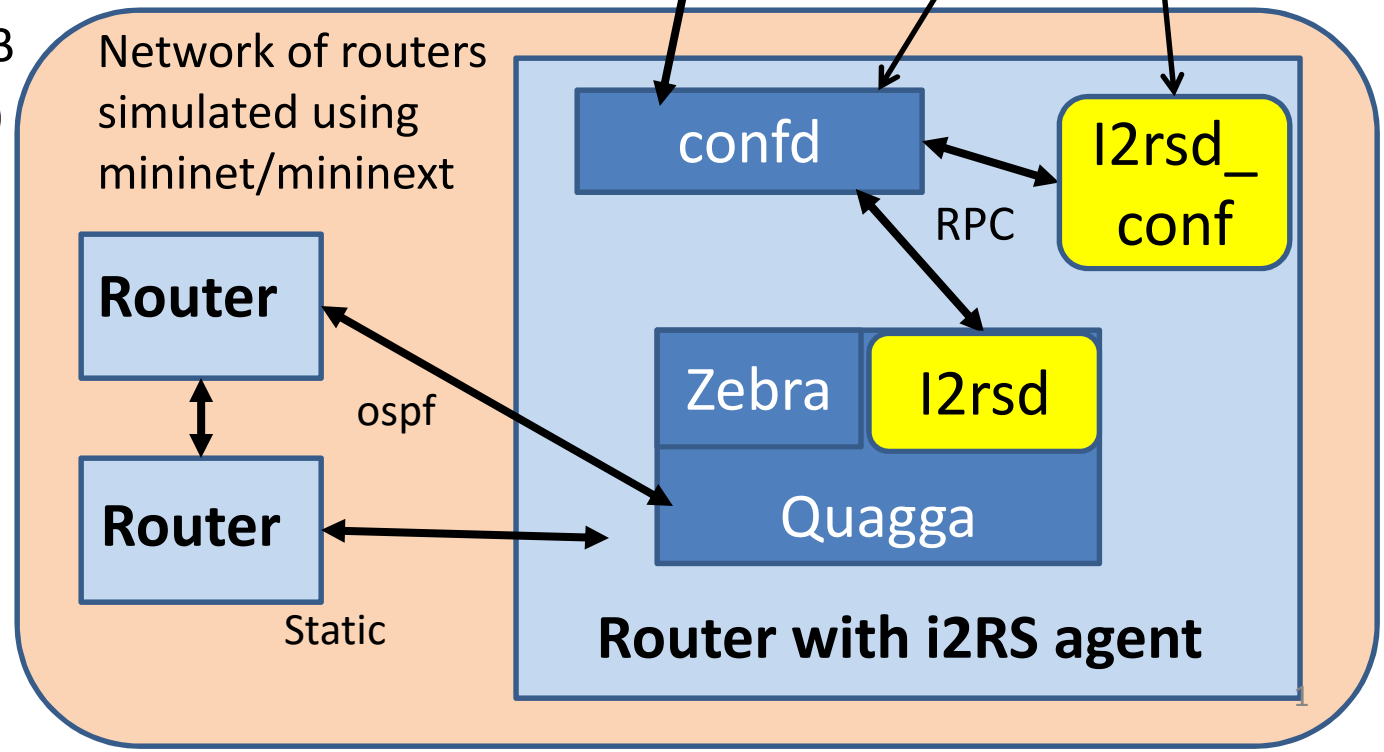
ietf-i2rs-rib (Ephemeral routes)

- **What we tried to do** – implement data model in quagga on ubuntu linuz + Port to ONS
- What happened –
  - Wrote code 1 before ietf
  - Got Builds working, code compiling
  - Testing/ Debugging will continue this week

- **What we learned:** Implement Yang before WG LC
  - Our Basic – model was complex
  - IDs – are good at VRF, RIB, Route, NextHop
  - 3-5 levels of "Choice" created Meta
  - Debate on top level (instance or mount point) caught us (Thanks C. Movert for aid!)

- **Whats' next** – Debug code + see if can get solid basic release in August, progress on Ephemeral multi-headed implementations

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