I2RS Primitives

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Juniper Networks
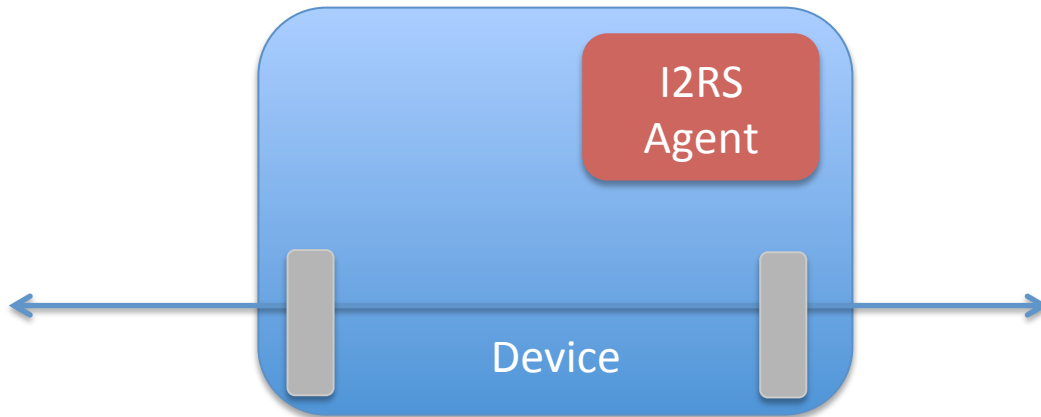
I2RS interim meeting Feb 5th, 2015

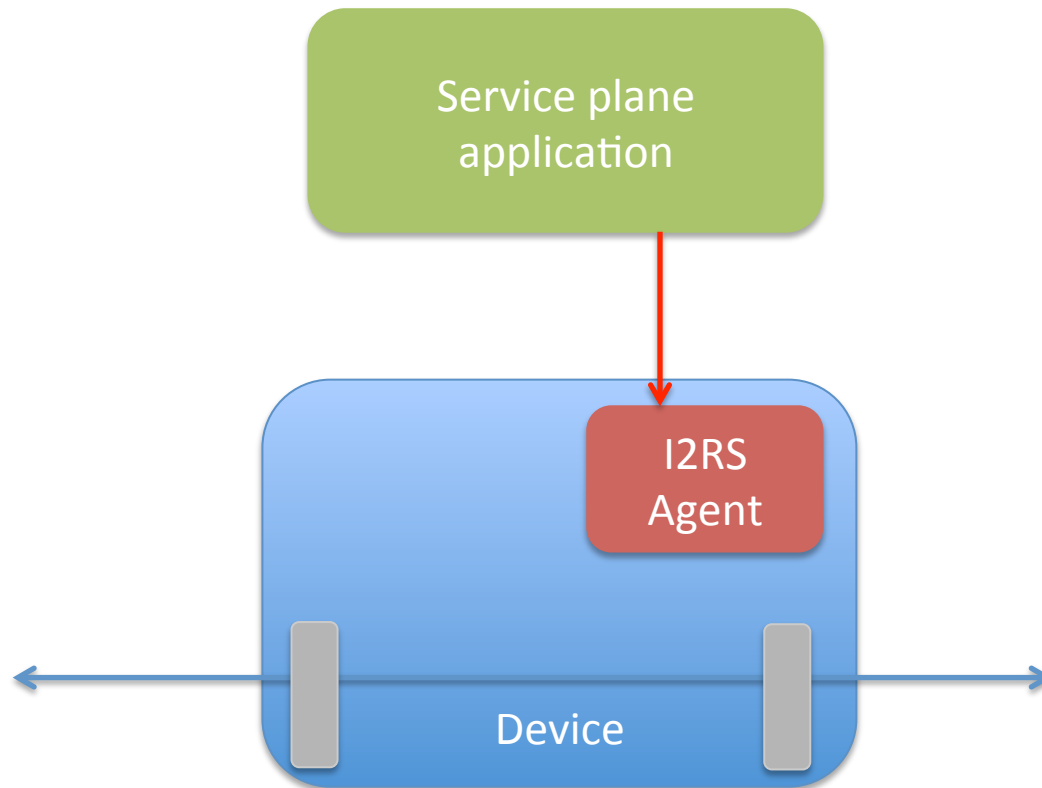# Use case

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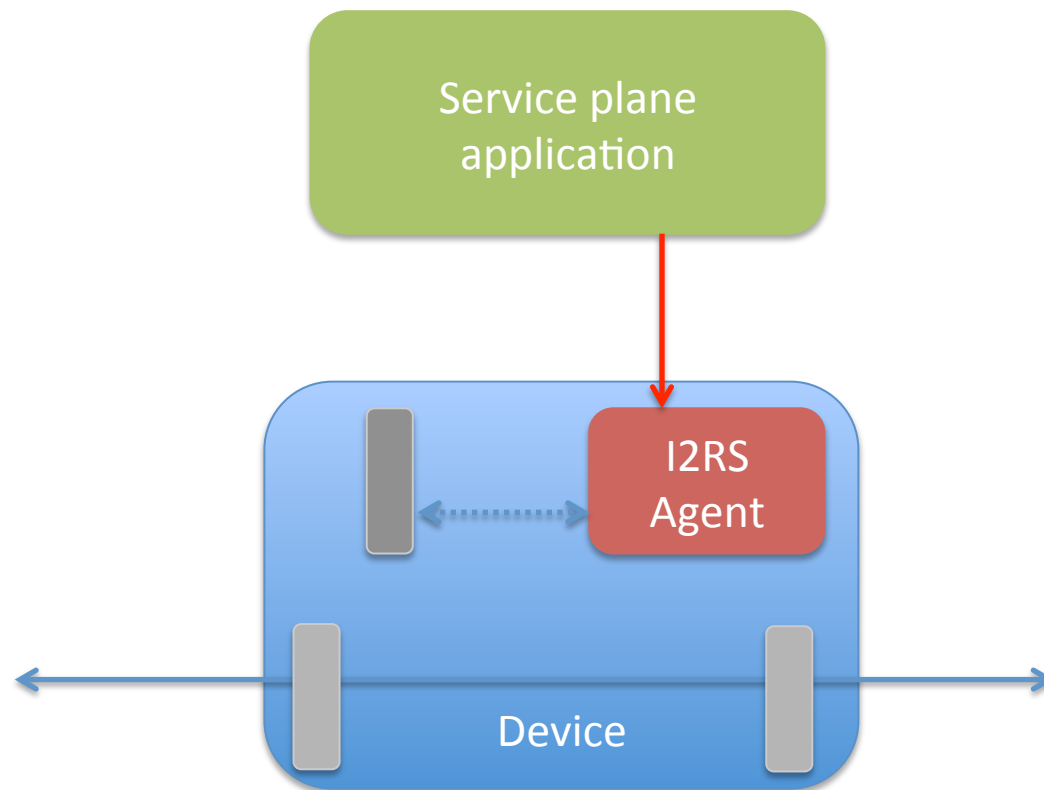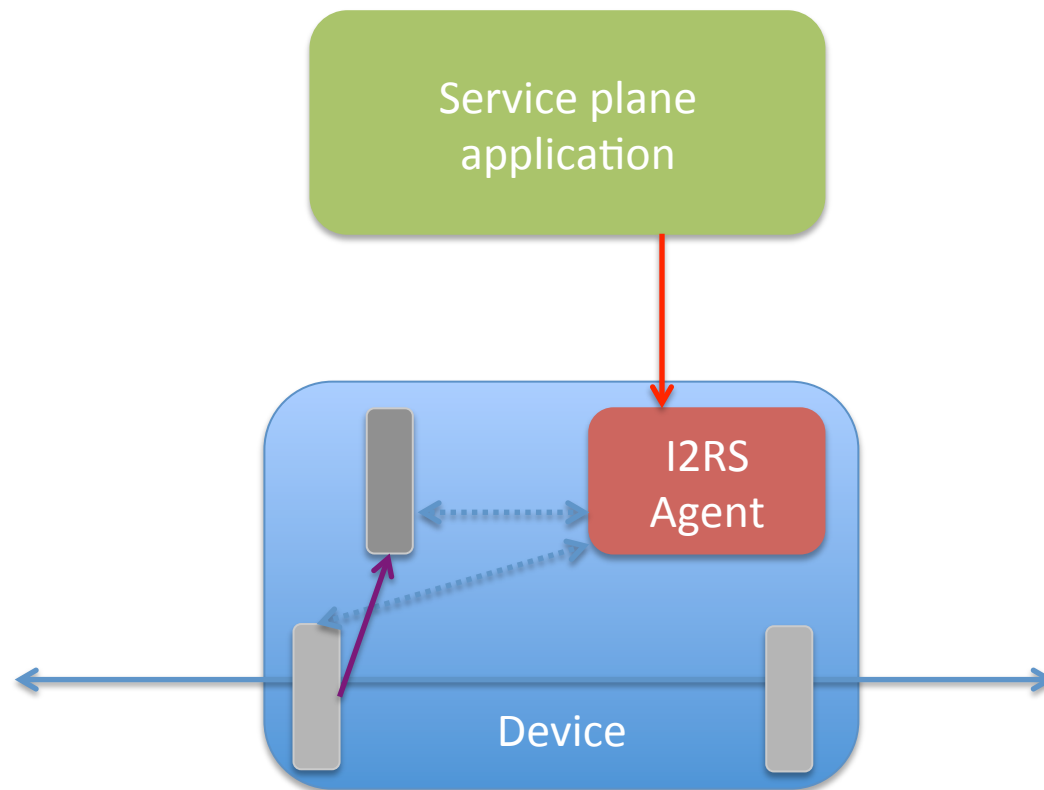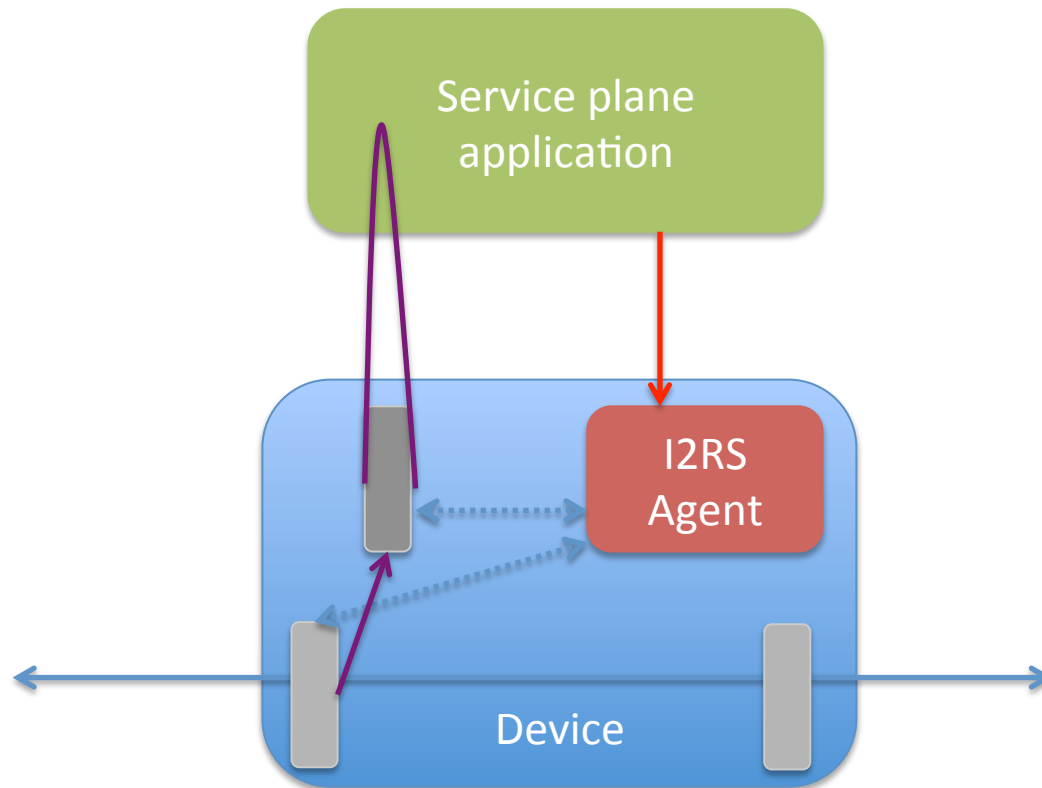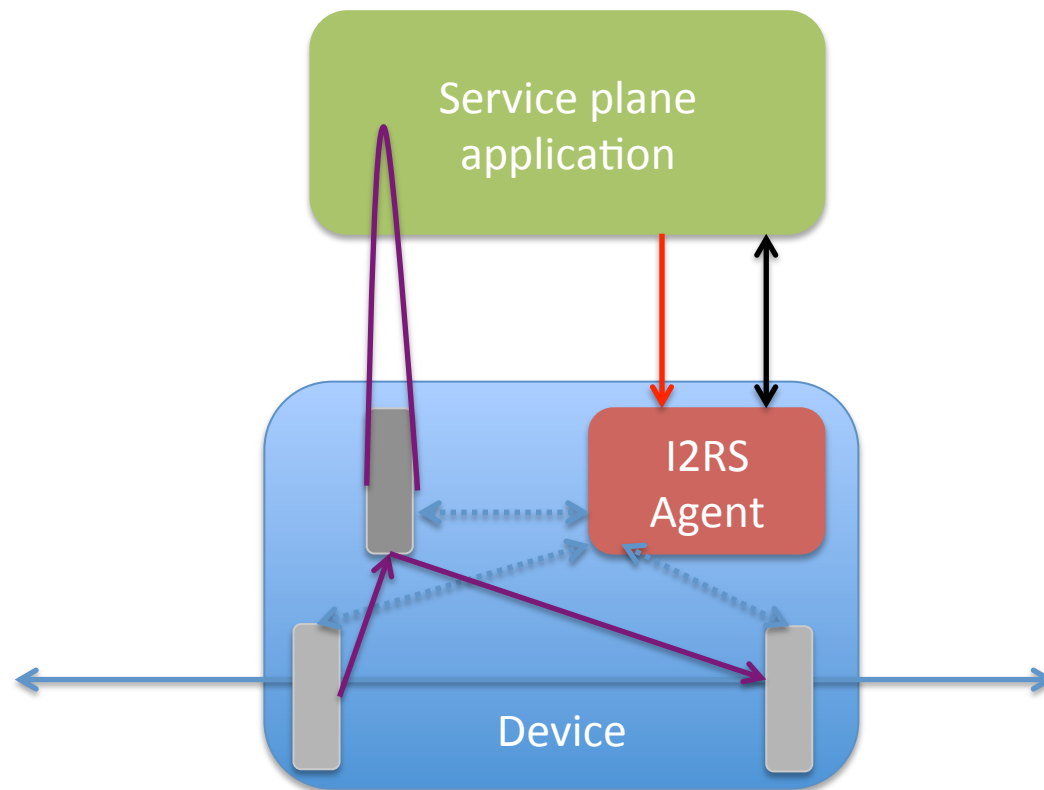# Use case

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Basic networking concepts

- When writing network applications following elements are used most of the time
  - Interfaces
    - Can represent host, subscriber, application
  - Routing
  - Filtering
  - Class of Service
    - Define traffic forwarding behavior

Existing models

- [RFC7223](#)
  - Defines filter model that is easily extendable
- [routing model](#)
  - Routes
  - Routing tables
  - Routing instances
- [filtering model](#)
  - easily extendable filter model
- [diff serve draft](#)
  - Early work, but it defines a very extendable policy model for CoS

What do we miss from I2RS perspective?

- I2RS as interface between
  - Service plane
  - Control plane
  - Data plane
- Notification mechanism between planes

Use case