I2RS Framework

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What’s the Problem?

- Applications Need To *Dynamically*
  - And Knowledgeably, based on:
    - Topology (active & potential)
    - Events
    - Traffic Measurements
    - Etc.
  - Augment Routing, based on:
    - Policy
    - Flow & Application Awareness
    - Time & External Changes
- Routers (and network elements) know how to program their forwarding/data planes. Use that and existing routing system to facilitate new applications and services.
Framework Overview

• Gives big picture framework of i2rs as a concept
  – Overview
  – Example Use-Cases
  – I2rs functionality – new and common across services
  – Describes types of services and example uses
Keep? Transform? Split?

• Is it useful (going forward) to have a framework giving a quick overview of the various aspects?
• Should all use-cases be pulled to specific use-case docs?
• Should new functionality belong in an architecture draft?
• Should various services mentioned, but not in initial charter use-cases scope, remain as future ideas to give view of scope?

Comments?