

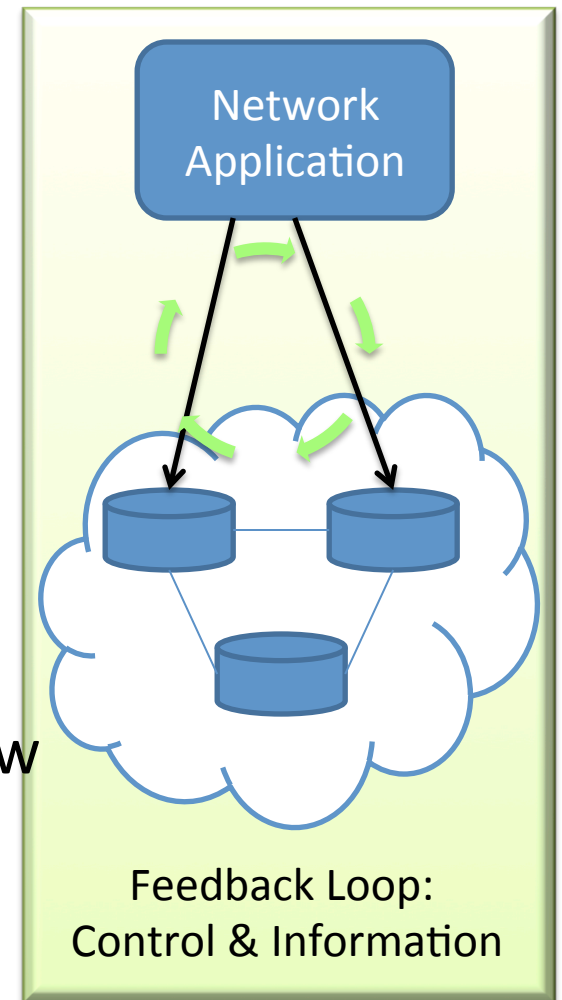
I2RS Framework

Alia Atlas, Thomas Nadeau, David Ward

IETF 86, Orlando, FL

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?