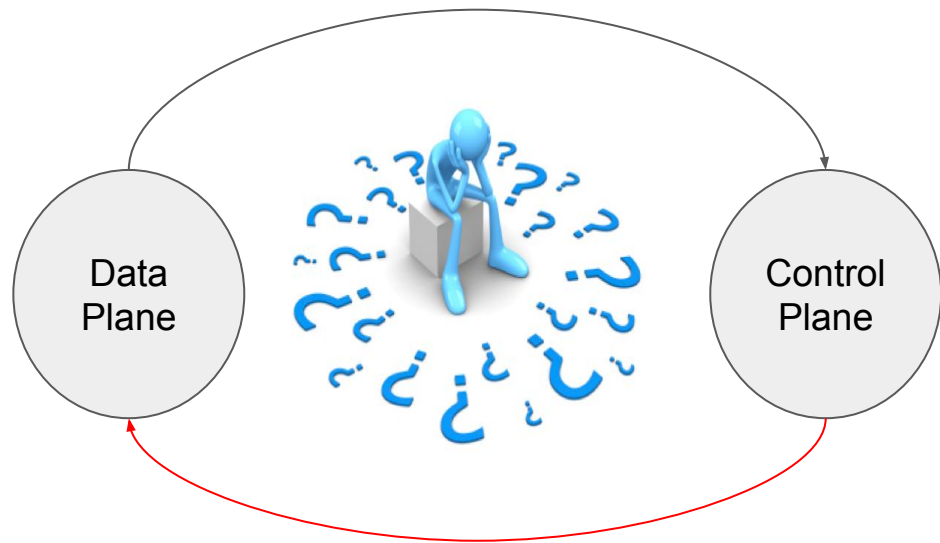# Identifying Stale DataPlane Measurement Using ControlPlane Updates
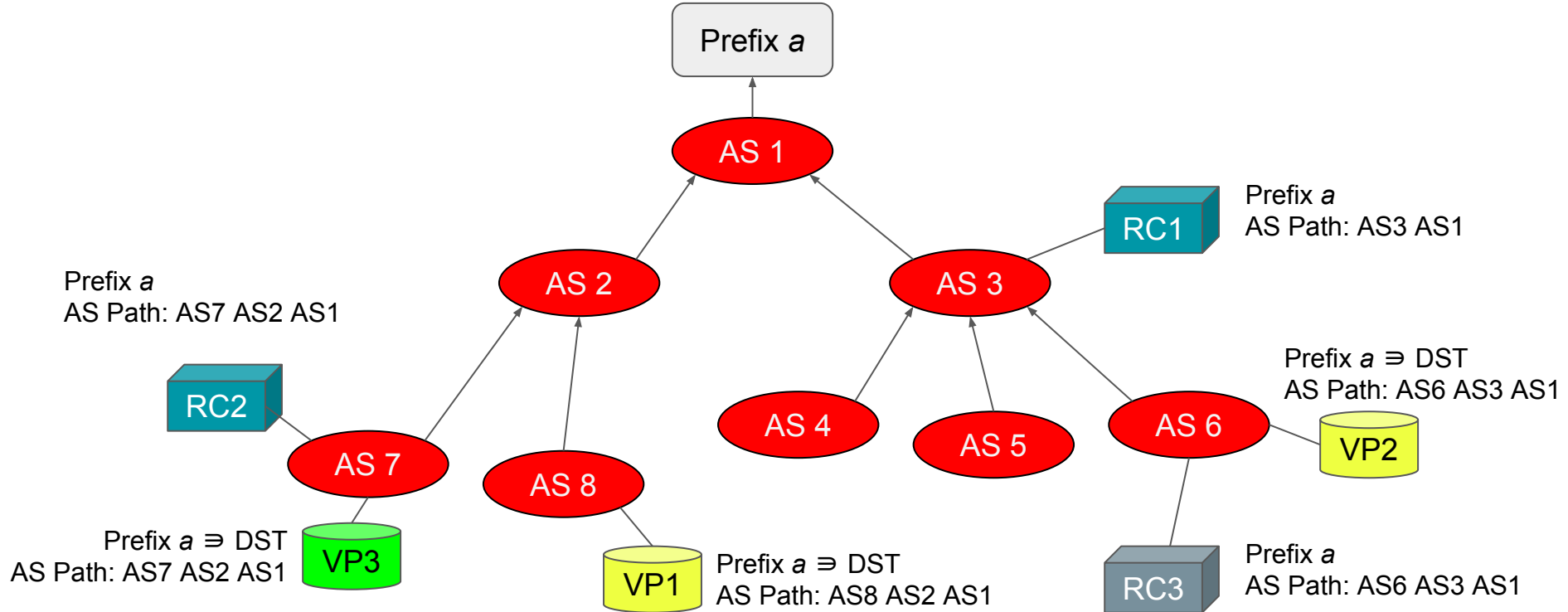
DATAPLANE1

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Motivation

- Data plane measurements
  - **Expensive**
  - **Constrained budget**
- Control plane
  - **Free**
  - Publish/Subscribe
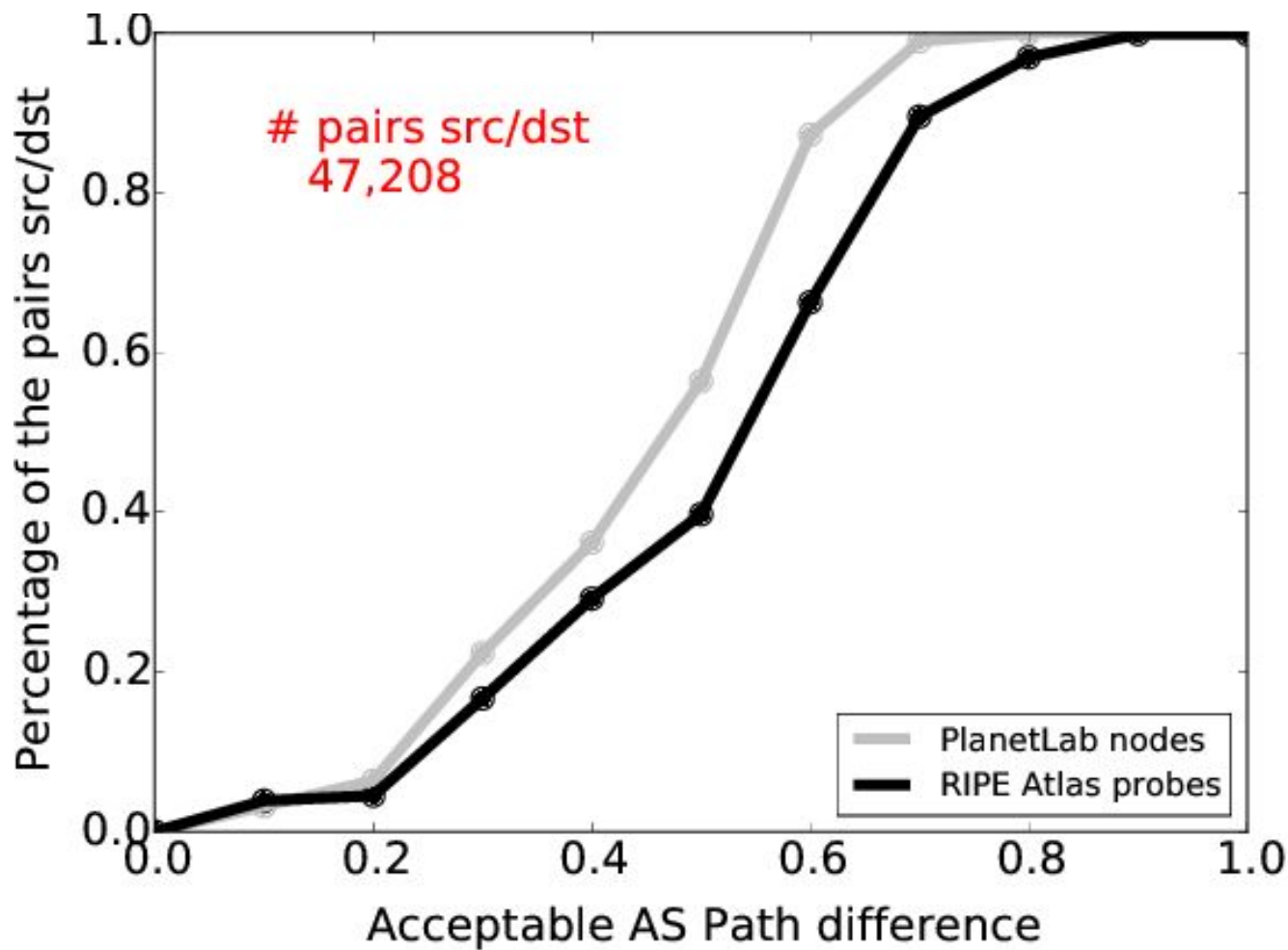- Using control plane to find an effective strategy for data plane measurements

Methodology

Data

- **RIPE Atlas traceroutes**
  - Anchors measurements -> set of probes (hundreds) towards Anchors
  - Every 15 minutes

- **PlanetLab to PlanetLab traceroutes (Every 10 minutes)**

Results I

pairs src/dst
47,208

Percentage of the pairs src/dst

Acceptable AS Path difference

PlanetLab nodes
RIPE Atlas probes

Results II

Demo