Reverse Traceroute Relaunch

**David Choffnes, Northeastern
(joint work with USC)**

What is Reverse Traceroute?
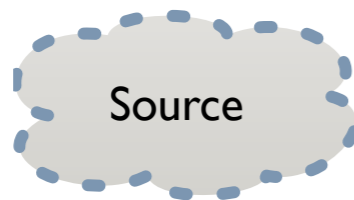
Source

Destination

What is Reverse Traceroute?

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Destination

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Source

Destination

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Ping?
Fr:**Src**

Source

Destination

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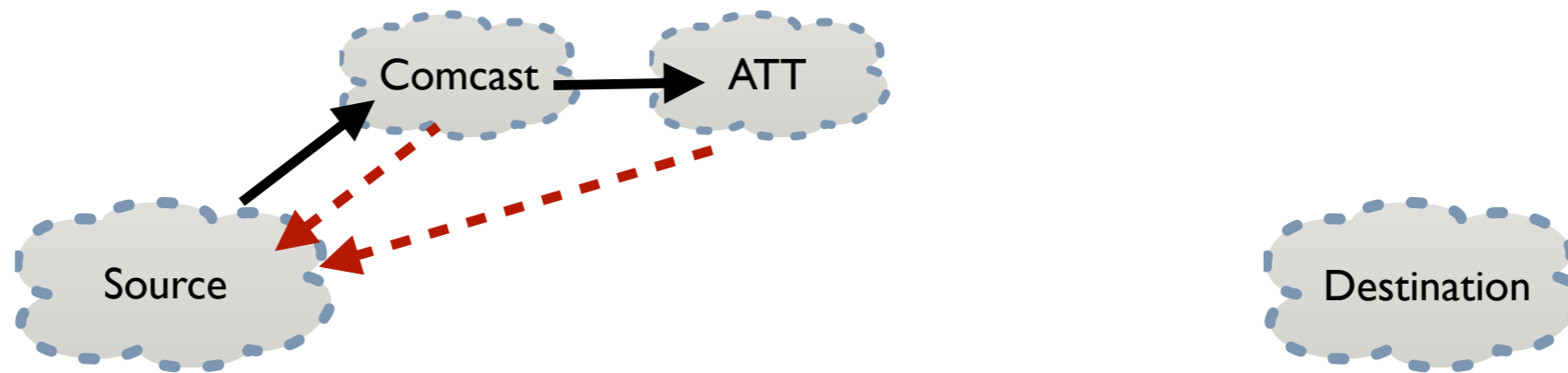
Source

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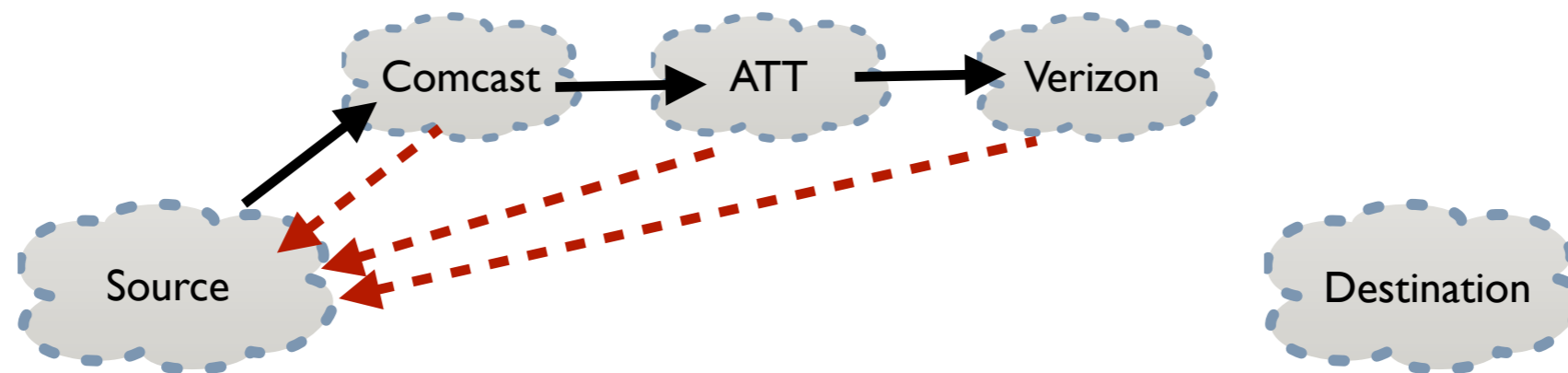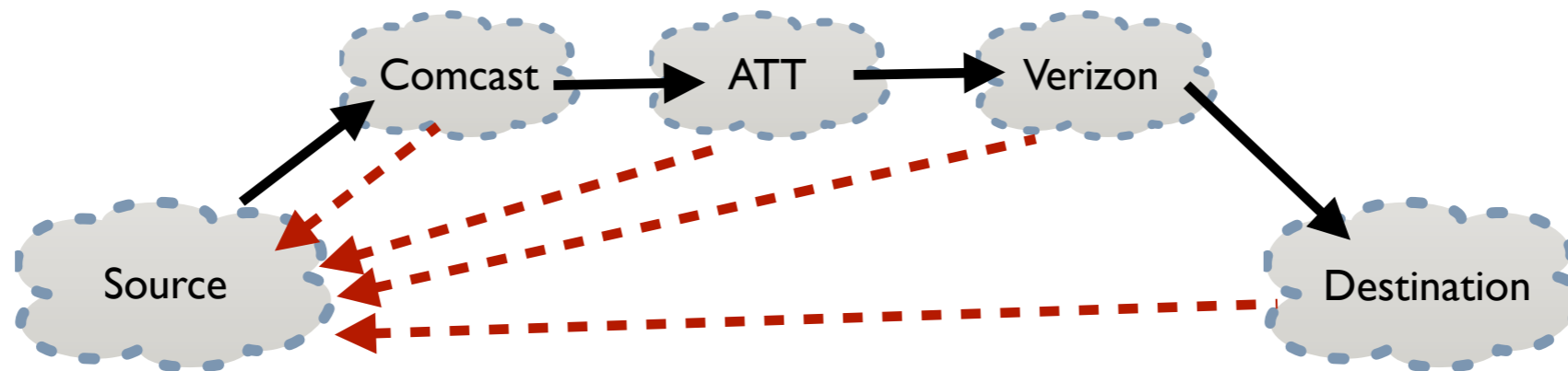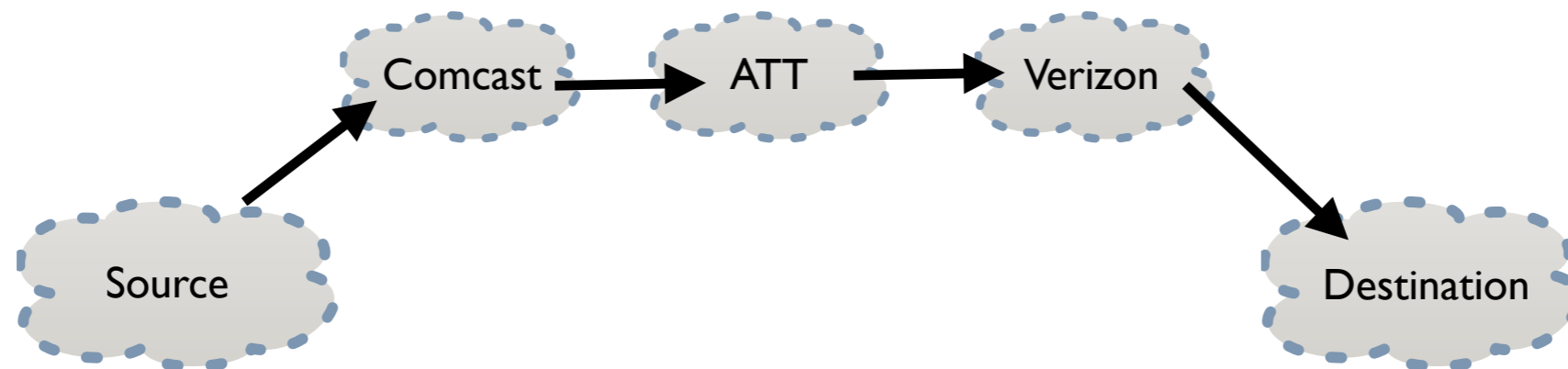
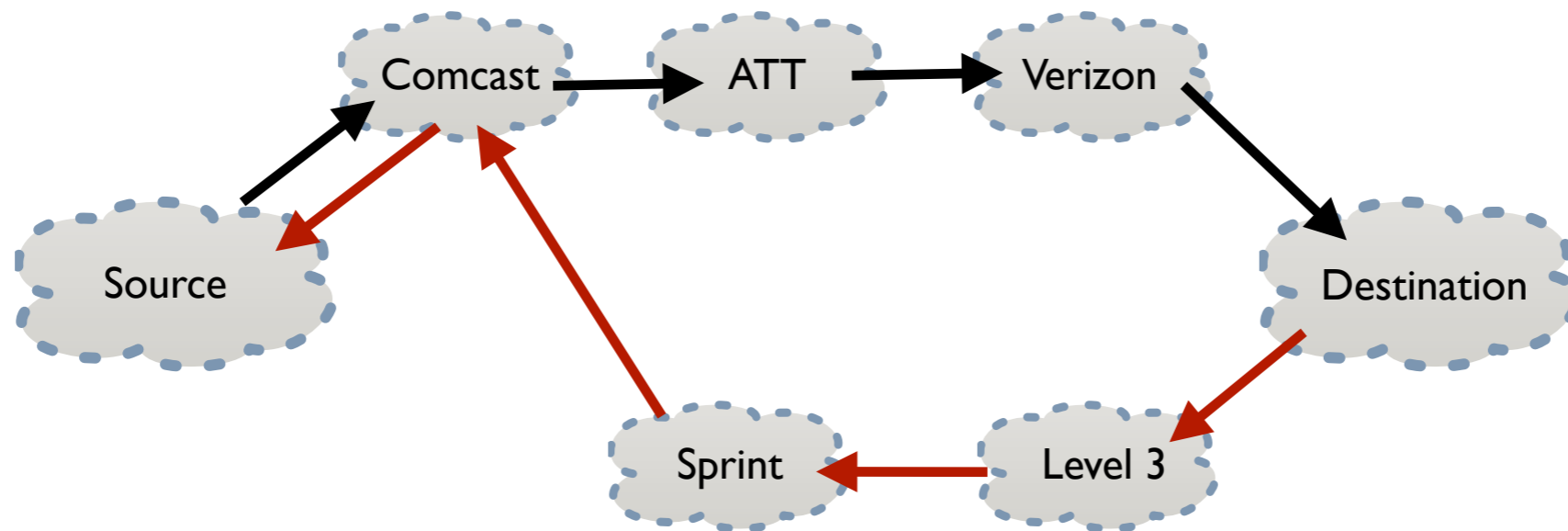# What is Reverse Traceroute?

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- Reverse Traceroute developed by Katz-Bassett [NSDI 2010]

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Thanks, NSF!

- CRI supported efforts to make RT public and reliable
- Currently soliciting alpha/beta testers!

Completed Reverse Traceroute

Reverse Traceroute from 8.8.8.8 (google-public-dns-a.google.com.) back to 130.253.21.121 (planetlab1.cs.du.edu.)

0	8.8.8.8 (google-public-dns-a.google.com.)	1.361ms	dst
1	209.85.255.159 ()	0.000ms	-sym
2	216.239.42.249 ()	1.429ms	-sym
3	72.14.194.239 ()	1.435ms	-sym
4	192.43.217.170 (xe-0-0-1.core-910.frgp.net.)	1.160ms	-sym
5	213.248.78.206 (lambdarail-ic-145002-den-b1.c.telia.net.)	1.157ms	-tr
6	192.43.217.169 (xe-1-3-0.core-1200.frgp.net.)	1.045ms	-tr
7	130.253.101.9 (gw-up-0-xe-0-0-0-1-vlan840-global.du.edu.)	0.255ms	-tr
8	130.253.21.121 (planetlab1.cs.du.edu.)	0.023ms	-tr

REACHES

Public API

- http://revtr.ccs.neu.edu:8080/

- GET /api/v1/sources
  - List available RT sources

- POST /api/v1/revtr
  - Issue batch of RT measurements

- GET /api/v1/revtr
  - Retrieve partial results

Interested?

- Requires API key
- E-mail <u>revtr@ccs.neu.edu</u> for access
- Please send us feedback!