Route Leaks

Sandra Murphy
Is This a Route Leak?

• To be able to detect a route leak:
• Given Update with AS_PATH AS1…ASn
• Is this a route leak?
Is This a Route Leak

draft-foo-sidr-simple-leak-attack-bgpsec-no-help
Is This a Route Leak
Is This a Route Leak
Is This a Route Leak
Is This a Route Leak
Is This a Route Leak

Diagram:
- A
  - C1
  - C2
  - C3
- B
  - C4
  - C5
  - C6
- D

Connections:
- A to D
- B to D
- A to B
Is This a Route Leak
Is This a Route Leak

![Diagram showing network nodes A, B, C1, C2, C3, C4, C5, C6 with connections and arrows indicating possible route leak.](image-url)
Questions

- Is there a precise definition of route leaks?
- How do we detect route leak?
  - Mandated behavior
  - Local policy based
- How do we respond to detected route leak?
  - Mandated behavior
  - Local policy based
- Is additional info needed to detect leak?
  - Who provides info
  - What is trust model for info
  - How is info carried