Announce Issues

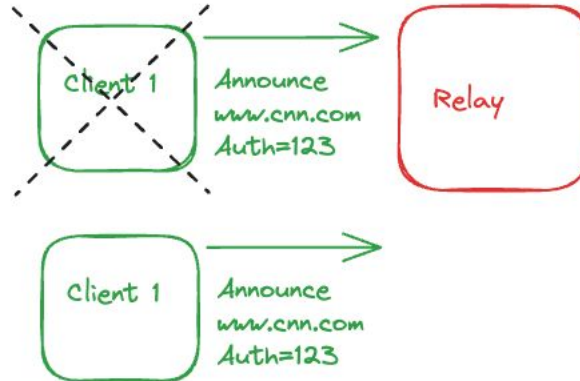# Clarify conflicting announces across Producers #225
Announces with same name in reconnect #227

Two clients
Same namespace
Valid but different auth

Client 1 → Announce www.cnn.com Auth=123 → Relay ← Announce www.cnn.com Auth=456 ← Client 2

One client
Crashes and reconnects

Client 1 (crossed out) → Announce www.cnn.com Auth=123 → Relay

Client 1 → Announce www.cnn.com Auth=123 →

Non-mutually exclusive Options

Option 1: Last Announce wins

Option 2: Don't issue valid auth for the same *namespace* to two *different* clients

Option 3: Add an Announce Error error code like NAMESPACE_CONFLICT

- This prevents "make before break" if sent in response to the *same* client

Does relay matching behavior need to be negotiated in-band? #252

Draft 01 is vague about a relay matches SUBSCRIBE (Track Namespace, Track Name) to ANNOUNCE (Track Namespace)

Option 1: Leave it vague

Option 2: Mandate a behavior
2a. Exact match on namespace
2b. Longest prefix match on concatenated namespace + name
2c. Something else

Option 3: Negotiate a behavior

Subscriber rejecting ANNOUNCE #319

Use cases:

1. The auth parameter in ANNOUNCE has expired

2. Another publisher has sent an overriding ANNOUNCE (reconnect?)

3. The broadcast has been closed remotely, ex. some moderation tool.

Should we add ANNOUCE_RST/FIN?

Option 1: Add ANNOUNCE_RST
Option 2: Close the session instead