

# Multi-Streaming APIs

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IETF 98, March 2017, Chicago

# What protocols use multi-streaming?

## Explicit Streams

- SCTP
- HTTP/2
- QUIC

## Implicit Streams

- Pipelined HTTP/1.1 (Request/Response pairs)
- IKE/ESP (SPI values)

# Multi-Streaming API Options

1. Mark each I/O operation on the connection API with a subflow or stream ID
2. Add a notion of subflow objects to a single connection API
3. Each subflow can natively be represented as a single-stream connection API

