draft-lcurley-warp-04

Object model DISCUSS

high level overview

Overview

Bundles (renamed)

Tracks

Groups (new)

Objects

Bundle

a prioritization domain

tracks *prioritized* against each other

requires same connection

Track

an encoded bitstream. examples:

track 1: 480p AV1

track 2: japanese OPUS

track 3: WebVTT

track 4: timed metadata

Group

independent collection of objects

intra dependencies only

join point for new consumers

Object

a fragment

relay opaque payload

prioritized during congestion

specific properties

Bundle

uniqueness: absolute url

prioritization:

  send order within bundle

  unspecified between bundles (round-robin)

Track

uniqueness: per bundle

subscribable: receive new objects

media properties: specified in catalog

Group

uniqueness: per track

sequenced: relays knows newest

independent: intra dependencies (discuss)

Object

uniqueness: per group

sequenced: relays knows newest

prioritization: send order within bundle

incremental: relay must not buffer (discuss)

payload: opaque to relay

plan for warp-05

Raw QUIC

@victor

SETUP includes bundle URL

mimics WebTransport

pooling

todo pain

Catalog Track   @will

track 0 contains catalog stream

agnostic relay

separate draft with encoding

format registry

that's it