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 currently delegated to WebTransport session

**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

SETUP includes bundle URL mimics WebTransport

pooling
todo pain
Catalog Track

track 0 contains catalog stream
agnostic relay

separate draft with encoding
format registry
that's it