high level overview
Overview

Bundles (renamed)

Tracks

Groups (new)

Objects
Bundle

a prioritization domain

tracks prioritized against each other
requires same connection
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 media fragment

payload opaque to relay

prioritized during congestion
specific properties
Bundle currently delegated to WebTransport session

addressable: absolute url

prioritized:

send order within bundle

unspecified between bundles (round-robin)
Track

addressable: per bundle

subscribable: receive new objects

media properties: specified in catalog
Group

addressable: per track

sequenced: relays knows newest

independent: intra dependencies (discuss)
Object

addressable: per group

sequenced: relays knows newest

prioritized: send order within bundle

incremental: relay must stream (discuss)

payload: opaque to relay
plan for warp-05
Objects

objects are incremental

relays MUST stream
application MAY buffer

possible atomic flag?
might not be necessary
Groups

groups indicate potential dependencies based on sequence number?
Raw QUIC

SETUP includes bundle URL mimics WebTransport

pooling?

todo pain
Catalog

separate draft

signals media properties
intended for encoders/decoders

format registry

new and existing standards
Catalog Track

track 0 contains catalog stream
relay agnostic

GROUPs for full refreshes
OBJECTs for delta updates
that's it