RTCWeb Use of DSCP
draft-dhesikan-tsvwg-rtcweb-qos-05

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V3

Stuff going on ….

- This drafts helps WebRTC browsers know which of existing DSCP to use

- New proposed WG (DART) to produce informational RFC to help explain the necessary transport and RAI background to understand when similar DSCP can be on the same "flow"

- Rtcweb-transport draft will provide precise definition of what "flow" means in the WebRTC context

Objective: Provide consistent settings of DSCP in browsers using WebRTC. Keep it simple and easy to use.

Data Type	Very Low	Low	Medium	High
Audio	CS1	BE	EF	EF
Interactive Video with/ without Audio	CS1	BE	AF42, AF43	AF41, AF42
Non Interactive Video with/with out Audio	CS1	BE	AF32, AF33	AF31, AF32
Data	CS1	BE	AF1X	AF2X

Main Points

- Type of traffic and priority indicates the DSCP value(s) to use.

- A flow should only use DSCP in one-cell (a single flow will NOT span multiple cells)

- If a cell provides multiple DSCPs such as AF32 and AF33, then a single flow can select based on priority of packets within a single flow

- Draft notes CS1 can result in priority inversion in some cases

Multiplexing on Single 5-tuple

- Multiplexing of data types within a single 5-tuple is out of scope.

- The proposed DART WG will provide guidance to sort this out.