draft-polk-mmusic-traffic-class-for-sdp-01

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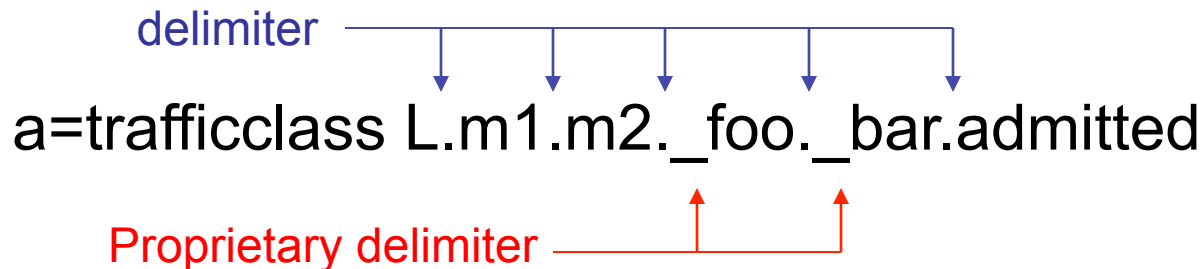# What this Draft is About

- Traffic Classification attribute of sessions for
    - DSCP marking (individual or in groups)
    - BW pool allocations
    - Network resource allocations
    - etc
- Started with labels created by RFC 4594
    - i.e., not just RTP, but which type of video?
- RSVP App-ID Object defined in RFC 2872
    - TSVWG ID defines profiles
        - WG hummed 100% for this, but not yet an official WG item

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What's changed in -01

- Proposed Labels are now hierarchical
  - Requiring a delimiter
- Added ability to extend
- Added ability to have private substrings
- Added ability to indicate session has had CAC applied to it or not

New attribute format

- Leftmost string remains consistent with RFC 4594
  - Realtime-interactive
  - Multimedia-conferencing
  - Etc
- Added sub-strings, plus specific delimiter
- Added vendor specific or proprietary delimiter
- IMPORTANT: ALL substrings NOT understood are ignored (either well-known or proprietary)

delimiter

a=trafficclass L.m1.m2._foo._bar.admitted

Proprietary delimiter

Proposed Well-known strings

- Set of leftmost (parent) strings
  - Broadcast-video
  - Realtime-Interactive
  - Multimedia-Conferencing
  - Multimedia-Streaming
  - Telephony
  - Voice-Admit
  - unknown

- Middle sub-strings
  - telepresence
  - immersive
  - desktop
  - personal
  - webex
  - call center
  - trading floor
  - handheld

delimiter

a=trafficclass multimedia-conferencing.telepresence.immersive._foo._bar.admitted

Proprietary delimiter

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Known Open Issues

- Biggest issue is label strings aren't defined yet
  - Want help to reach consensus within RAI/MMUSIC

- Transport Area doesn't like specific guidance of series of strings put together defining a single DSCP for everyone to use
  - Some in RAI think the opposite (is anyone surprised?)
    - i.e., provide a default that can be overridden within any domain

- Others…?

What's next?

- Depends on how this has been received
  - i.e., am I bleeding too much right now?

- That said, Transport Area (TSVWG) plans to continue work

  - It would be nice to synchronize the two areas on the topic