



# **1722.1 Proposal ATDECC for Bridges**

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# What is it

- End stations have expressive capabilities for reporting capabilities, current status and diagnostic issues. Bridges are still a black hole in the network and mostly transparent. We have very little visibility into the network.
- We currently do not have a common mechanism for configuring both the bridges and end stations on the network, and in most cases no mechanism for configuring bridges beyond the plug and play environment.

# What do we have

- 1722.1-2021 has the capability to describe a bridge
  - AVB\_INTERFACE descriptors for each port
  - PTP\_INSTANCE and PTP\_PORT descriptors for gPTP
  - Controls for media settings and reporting FQTSS

# What don't we have

- No way to get MSRP attributes (including for end stations)
- No way to change MSRP settings (VLAN ID, PCP, class measurement interval, etc)
- No way to get MVRP attributes or add them
- Access to other useful management variables

# What do we need to do

- Add AEM commands for MSRP and MVRP attributes
- Add AEM commands for MSRP settings
- Define a way to get generic YANG to 1722.1 AEM access?