

# 802.1ap: Alternate Internal LAN Proposal

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Version 1

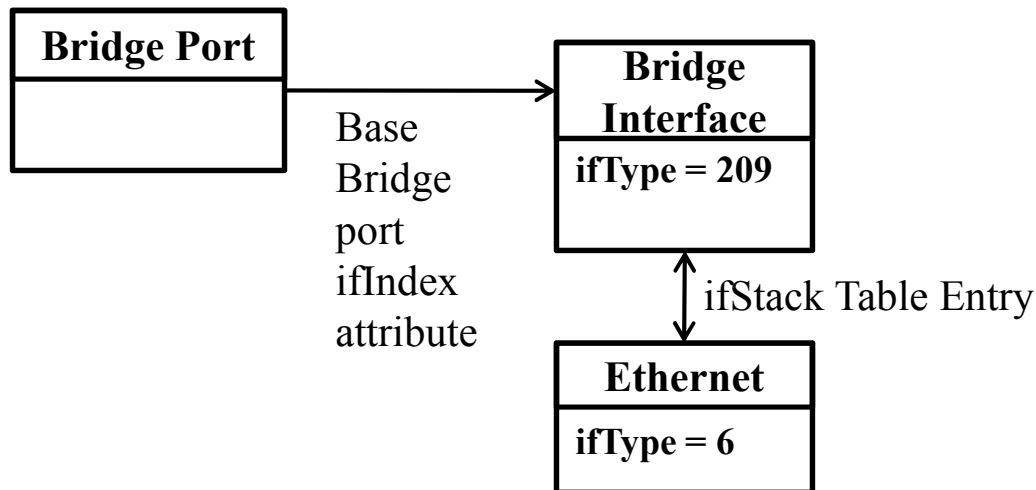
# Background

- As part of the 802.1ap discussion is Los Gatos, a description of the modeling of internal LANs in clause 17 was provided
  - The committee agreed that the modeling was a good idea
- The issue is that the proposal contradicts the resolution of comment #108 in 802.1ap D3.0 disposition
- This deck clarifies the issue and provides an alternative proposal.

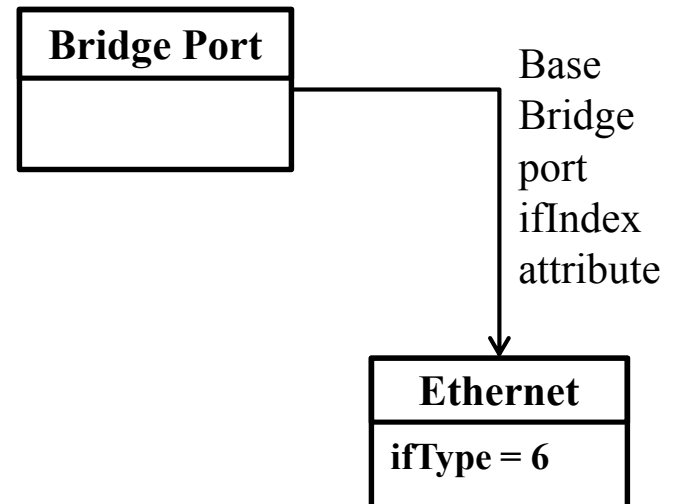
# Comment #108

- Comment #108 requested that all bridge ports be associated with a ifTable entry of type 209
- This comment was rejected since this infers a specific ifTable implementation.
  - For example, some ifTable implementations may only model physical Ethernet interfaces
- By rejecting this comment, both options below are possible

## Option 1: Use a bridge port interface

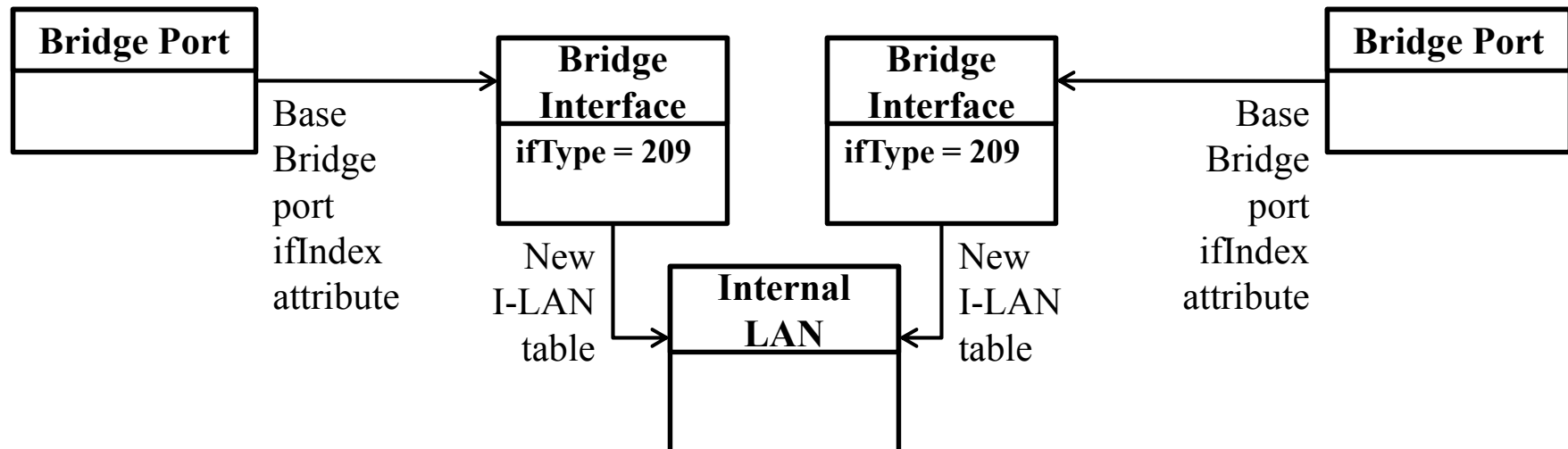


## Option 2: Associate Directly to an Ethernet interface



# Current Internal LAN Proposal

- Can be found here:
  - <http://www.ieee802.org/1/files/public/docs2008/ap-knolish-internallan-0108-v01.pdf>
- In summary, the bridge port's associated interface is related to an internal LAN which is implicitly created.
- The assumptions specified on Slide 5 assume that each port has a unique ifIndex
  - Not required for option 2 on the previous slide! → violates resolution of comment #108



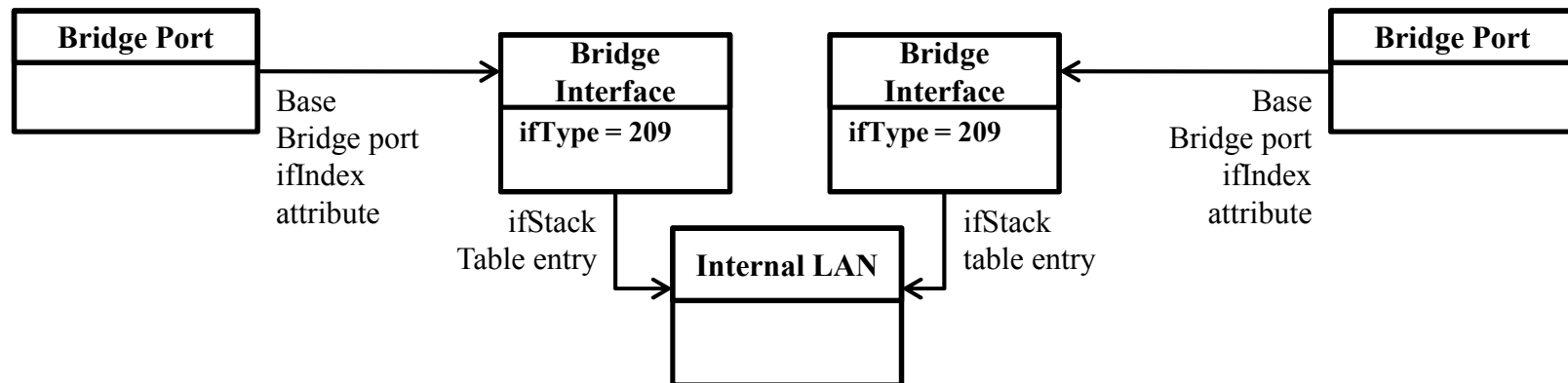
# Alternate Internal LAN Proposal

- Instead of assuming that every bridge port has a unique ifIndex associated with it, model the internal LAN as an interface.
- This way, a bridge port can be associated with
  - an Internal LAN directly
  - a bridge interface the stacked on a Internal LAN
- No restrictions are placed on how the system models its interfaces.

# Alternate Internal LAN Proposal (cont)

*Both options of ifTable are supported!*

## Option 1: Use a bridge port interface



## Option 2: Associate Directly to an Internal LAN

