



802.1Qat Designated MSRP Node on CSN Network

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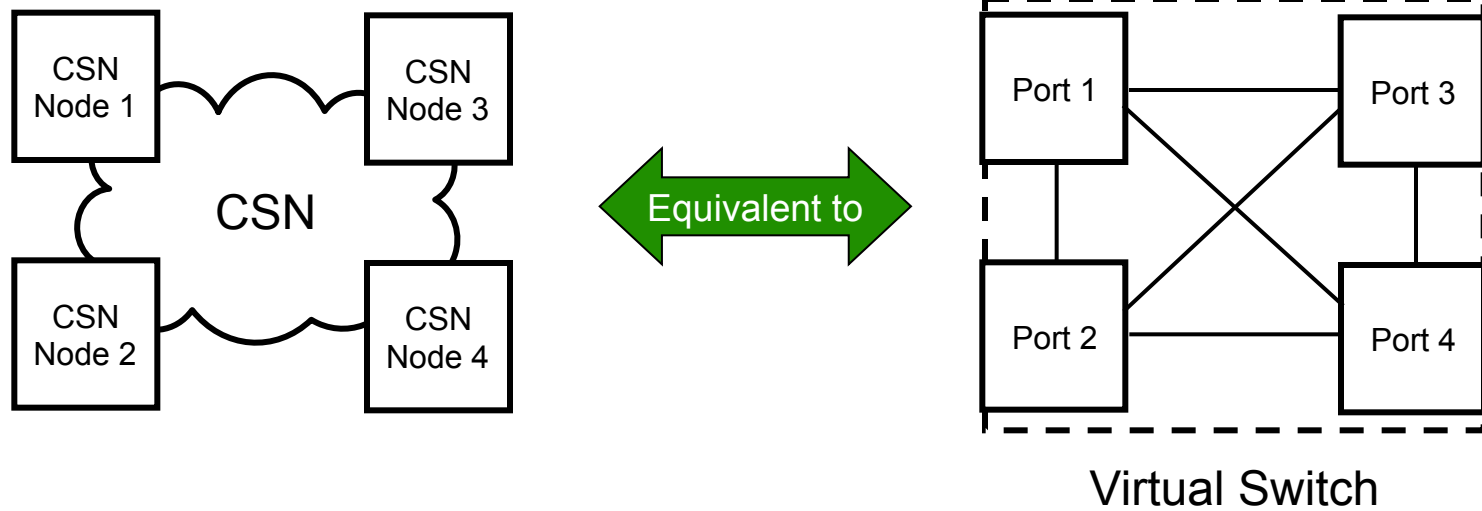
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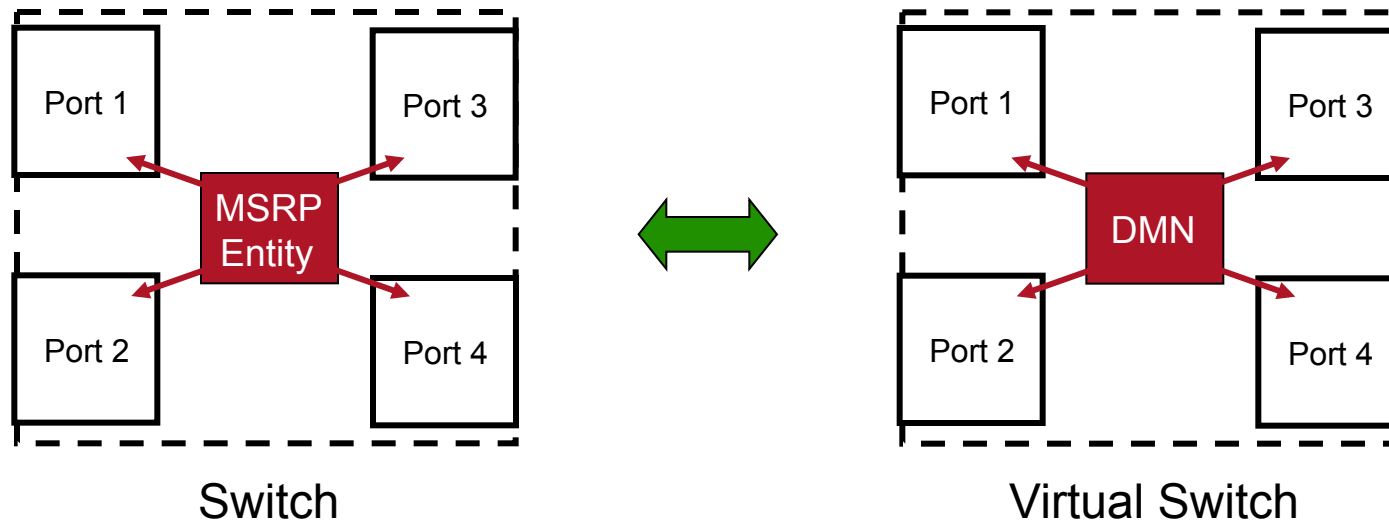
Abstract

- .Qat: Why should CSN networks implement the DMN scheme rather than alternative schemes...

Shared Network Logical Model in AVB



MSRP entity in the DMN scheme

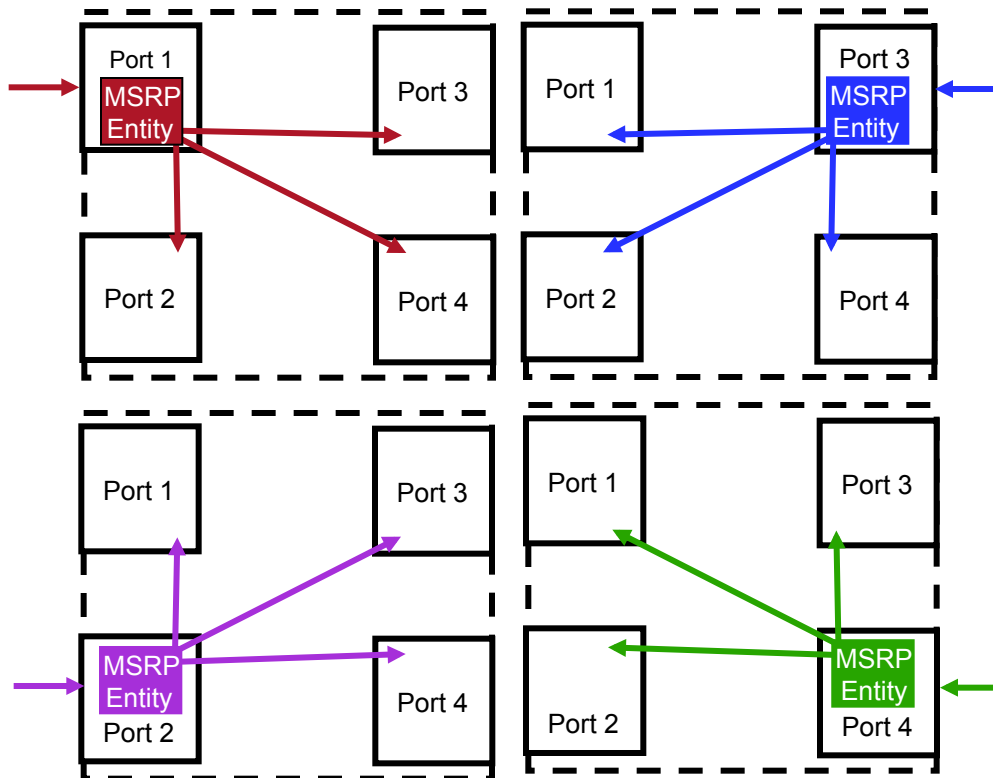


- One single central MSRP entity controls all the ports of the switch

- One single central MSRP entity (DMN) controls all the ports of the virtual switch

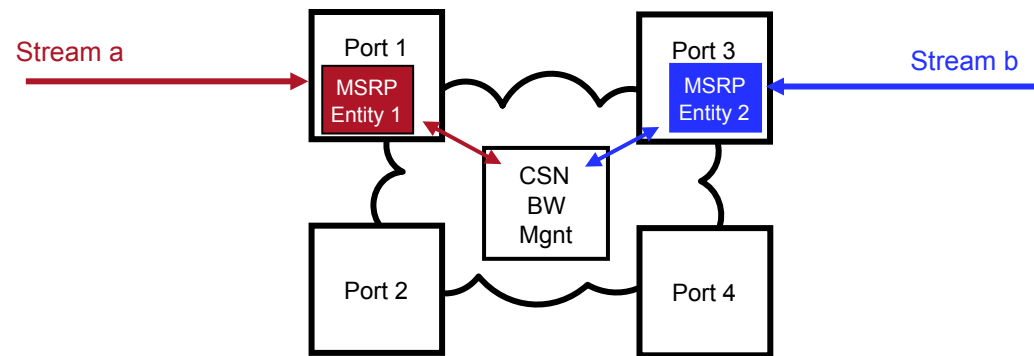
Alternative: "Distributed" MSRP entities

- MSRP entities are distributed on each talker port



Issues in the “distributed” MSRP scheme

- No inter-communication between the MSRP entities (in the Qat protocol)



- Issues:
 - MSRP Entity 1 does not have any knowledge about Stream b:
Entity 1 cannot request CSN to demote a given stream based on the MSRP policy
 - MSRP is dependant of CSN QoS FW
 - Some MSRP stream parameters might not supported by the CSN QoS (i.e. rank)
 - Even if these parameters are added to CSN QoS the MSRP stream management policy will be split between the MSRP entities and MOCA creating an **interdependence between MSRP and CSN** (MSRP future changes might be conditioned by CSN FW).

Questions ?

