

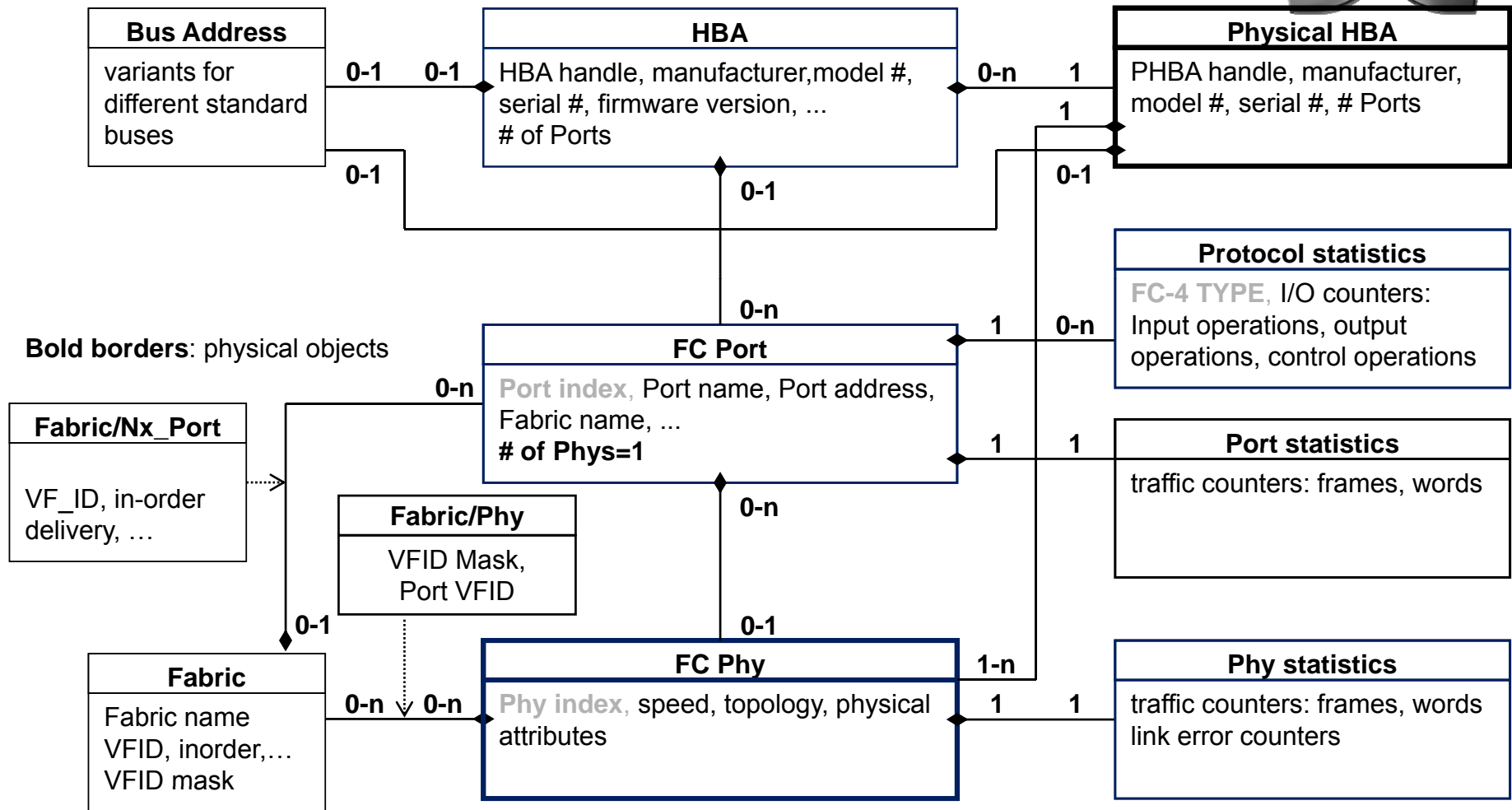


SM-HBA-2: Integrating FCoE

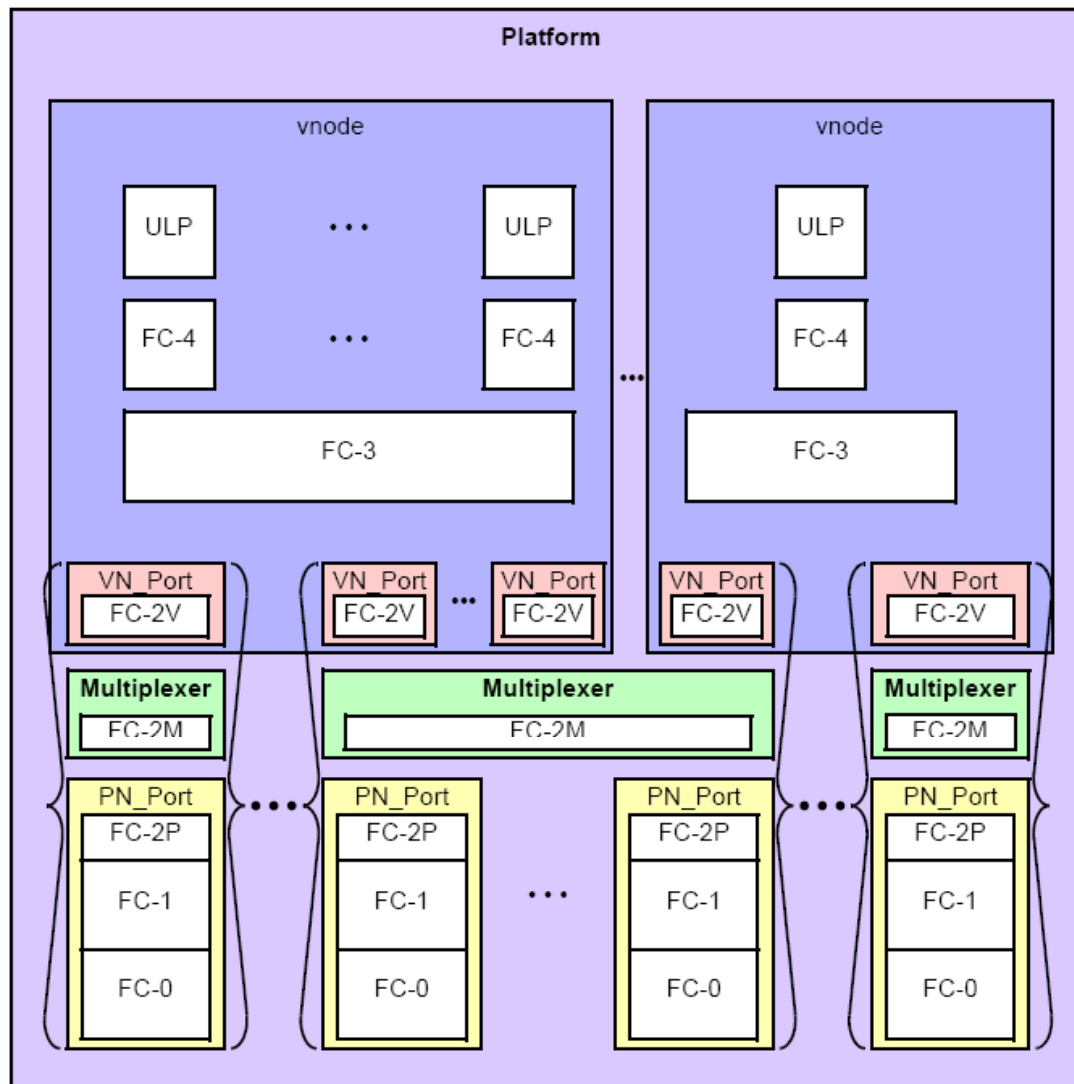
T11/09-530v1
23 November 2009
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NOTE: The pdf is unclear on a few slides. Please use the ppt if possible.

Review the SM-HBA-2 Architecture for FC

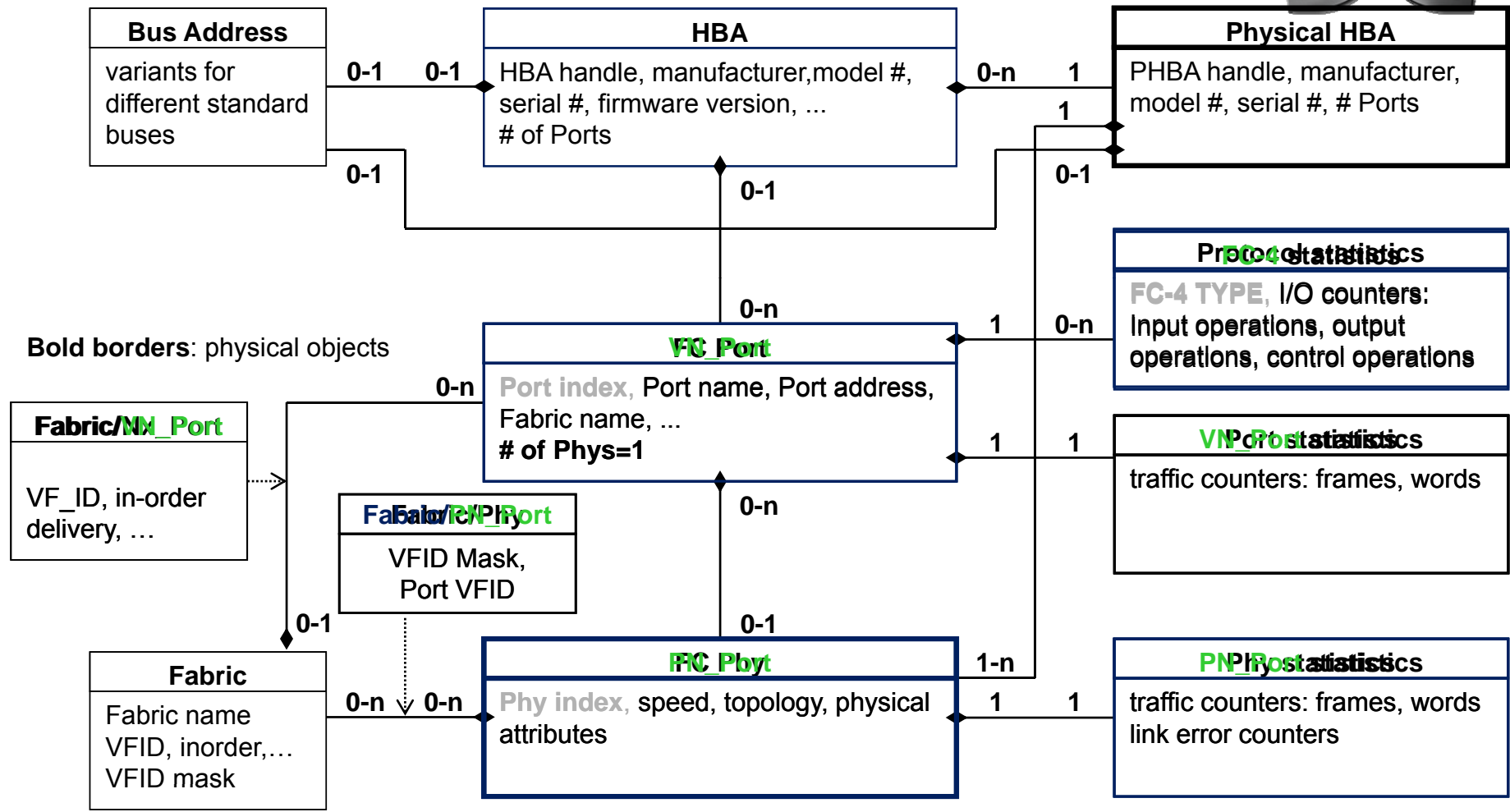


Review the FC-FS-3 Architecture

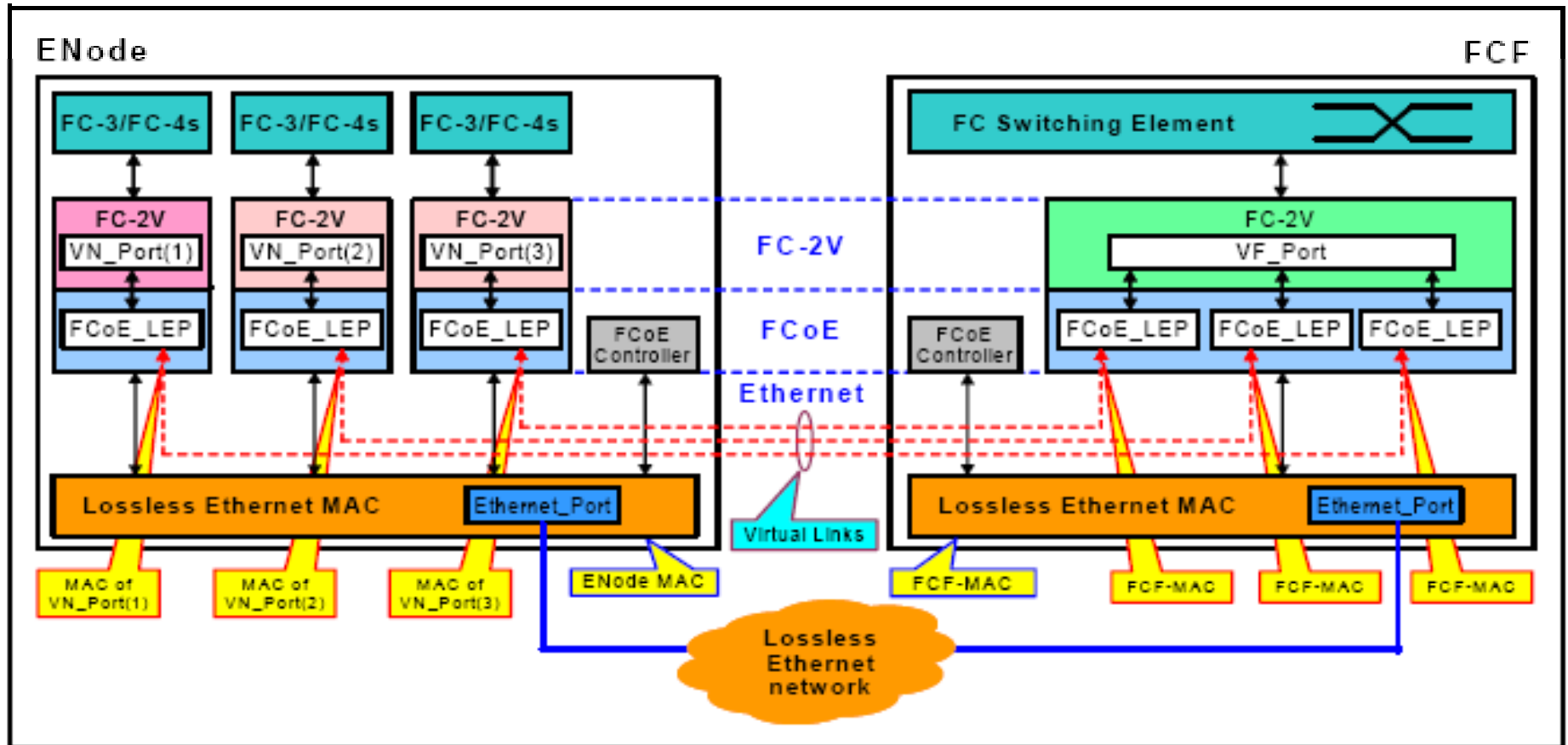




Terminology Translation



Review FC-BB_E Architecture



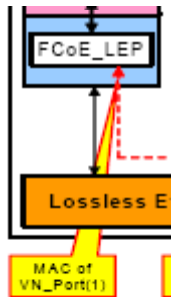


What does FC-BB_E have that we don't???



■ FCoE_LEPs

- VN_Port MAC address/VLAN ID





What does FC-BB_E have that we don't???

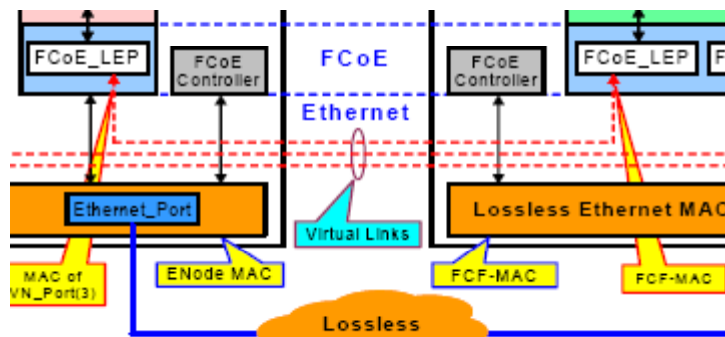


■ FCoE_LEPs

- VN_Port MAC address/VLAN ID

■ Virtual Links

- VN_Port MAC address/VLAN ID and FCF-MAC address
- economize: a VL is tied to one FCoE_LEP...combine them





What does FC-BB_E have that we don't???

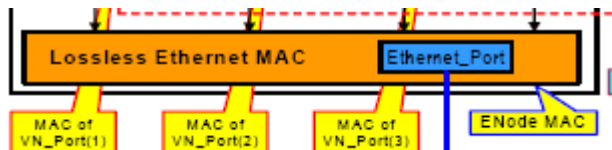


■ FCoE_LEPs

- VN_Port MAC address/VLAN ID and FCF-MAC address

■ Lossless Ethernet MACs

- ENode MAC address
- ...or multiple ENode MAC addresses! There's a better place





What does FC-BB_E have that we don't???



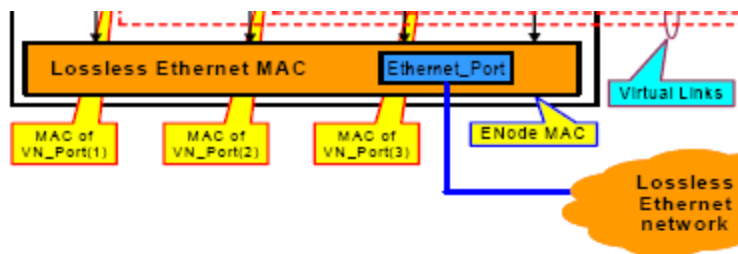
■ FCoE_LEPs

- VN_Port MAC address/VLAN ID and FCF-MAC address

■ Lossless Ethernet MACs

■ Ethernet Ports

- Physical attributes, e.g., speed
- economize: E'ports are 1-1 with a MAC, so combine





What does FC-BB_E have that we don't???



■ FCoE_LEPs

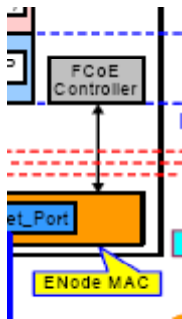
- VN_Port MAC address/VLAN ID and FCF-MAC address

■ Lossless Ethernet MACs

- Physical attributes, e.g., speed

■ FCoE Controllers

- ENode MAC address!
- FC-BB_E VLAN mask





What does FC-BB_E have that we don't???



■ FCoE_LEPs

- VN_Port MAC address/VLAN ID and FCF-MAC address

■ Lossless Ethernet MACs

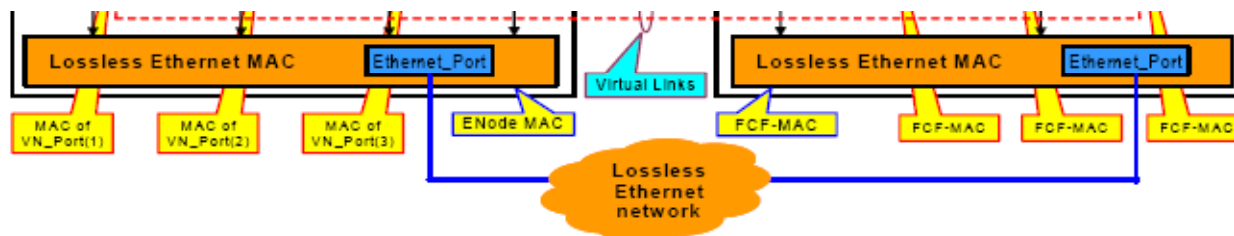
- Physical attributes, e.g., speed

■ FCoE Controllers

- ENode MAC address
- FC-BB_E VLAN mask

■ Lossless Ethernet Networks

- economy: associate any interesting LAN attributes with the MAC





What does FC-BB_E have that we don't???



Summary: We need:

■ FCoE_LEPs

- VN_Port MAC address/VLAN ID and FCF-MAC address

■ Lossless Ethernet MACs

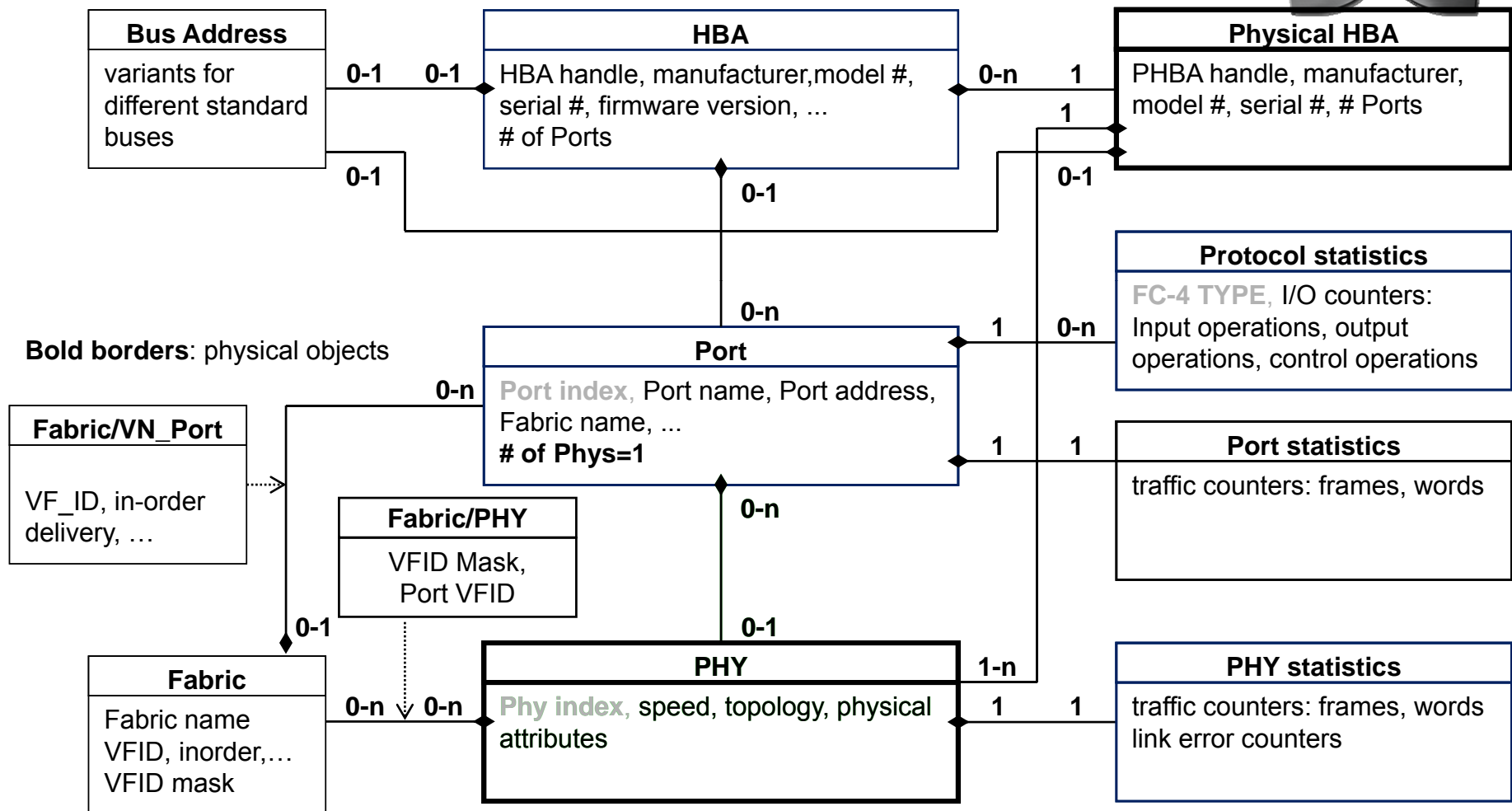
- Physical attributes, e.g., speed

■ FCoE Controllers

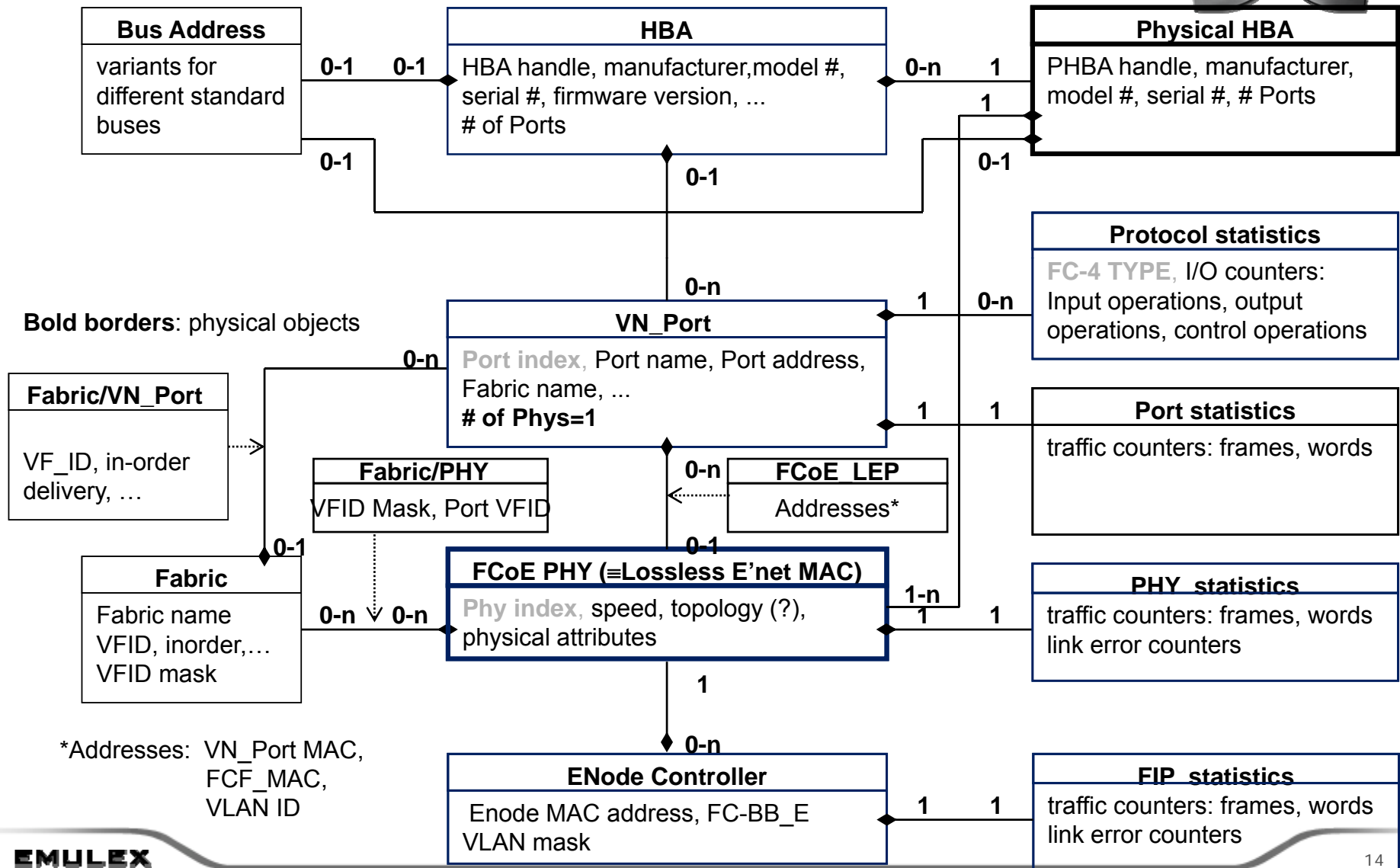
- ENode MAC address
- FC-BB_E VLAN mask



Adding FCoE into the SM-HBA-2 Architecture



Adding FCoE into the SM-HBA-2 Architecture



And then there are all the functions...



- Most carry over...
- But need to modify some parameters from earlier presentations
- And create ENode MACs
- We'll go there later



Discussion?