
FCoE over TRILL

draft-mme-trill-fcoe-00

<http://tools.ietf.org/html/draft-mme-trill-fcoe-00>

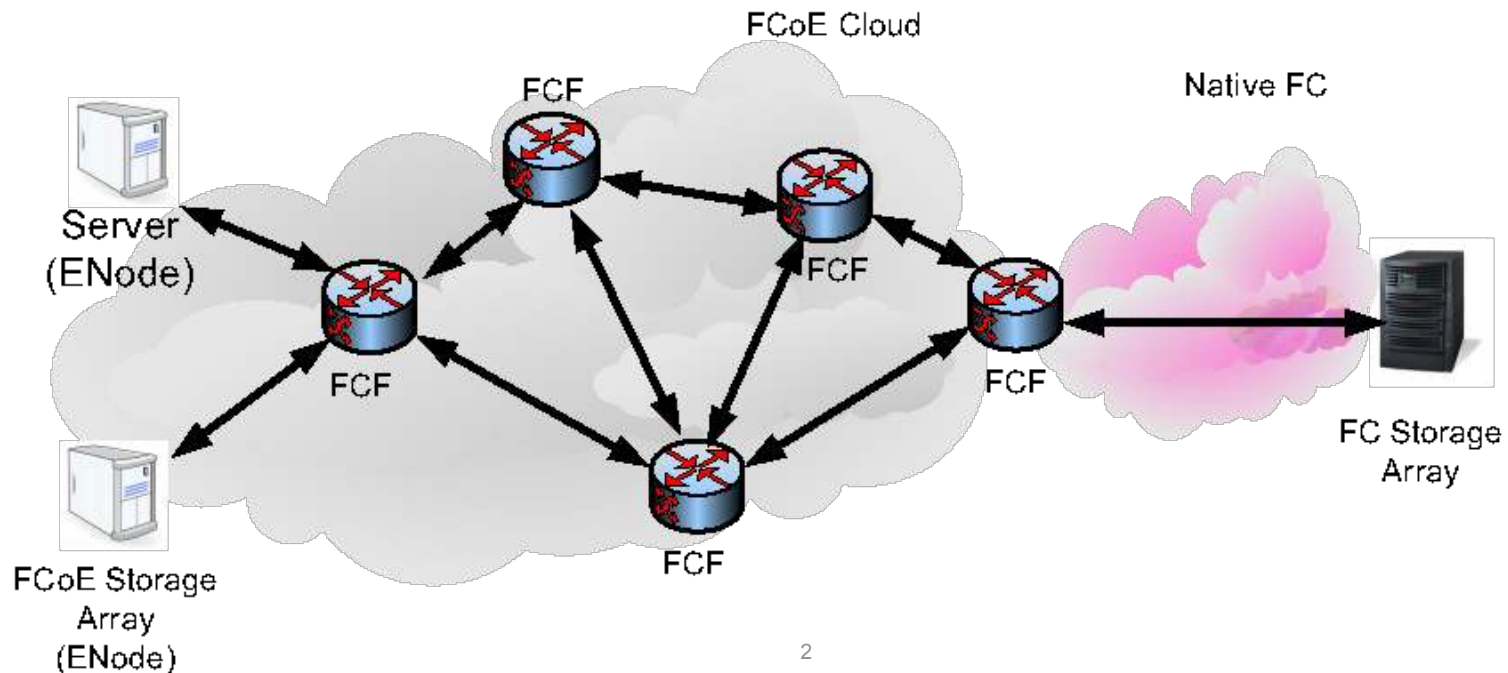
Informational

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IETF Meeting 81, July 2011

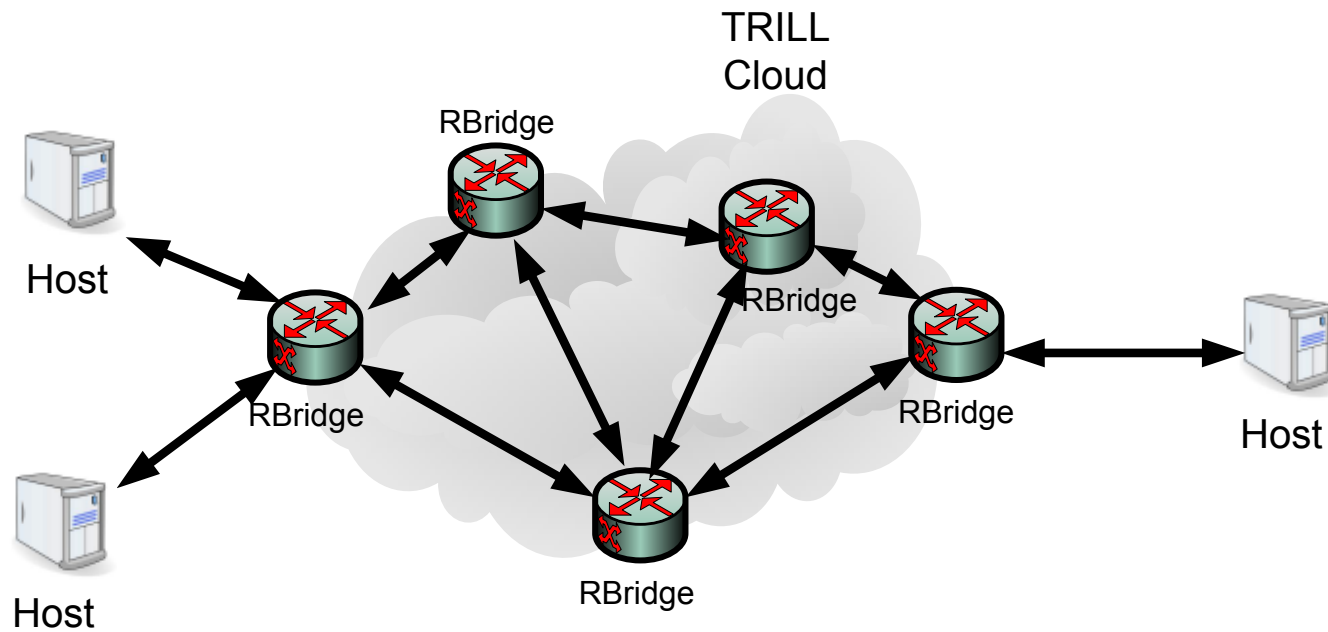
Background

- ▶ **FCoE – Fibre Channel over Ethernet (FCoE).**
- ▶ **FCF – FCoE Forwarder.**
- ▶ **ENode – FCoE end node.**
- ▶ **FCF functionality is a bit similar to RBridge in terms of:**
 - Forwards Ethernet frames based on higher layer address.
 - Modifies MAC addresses to reflect next hop.



Background (2)

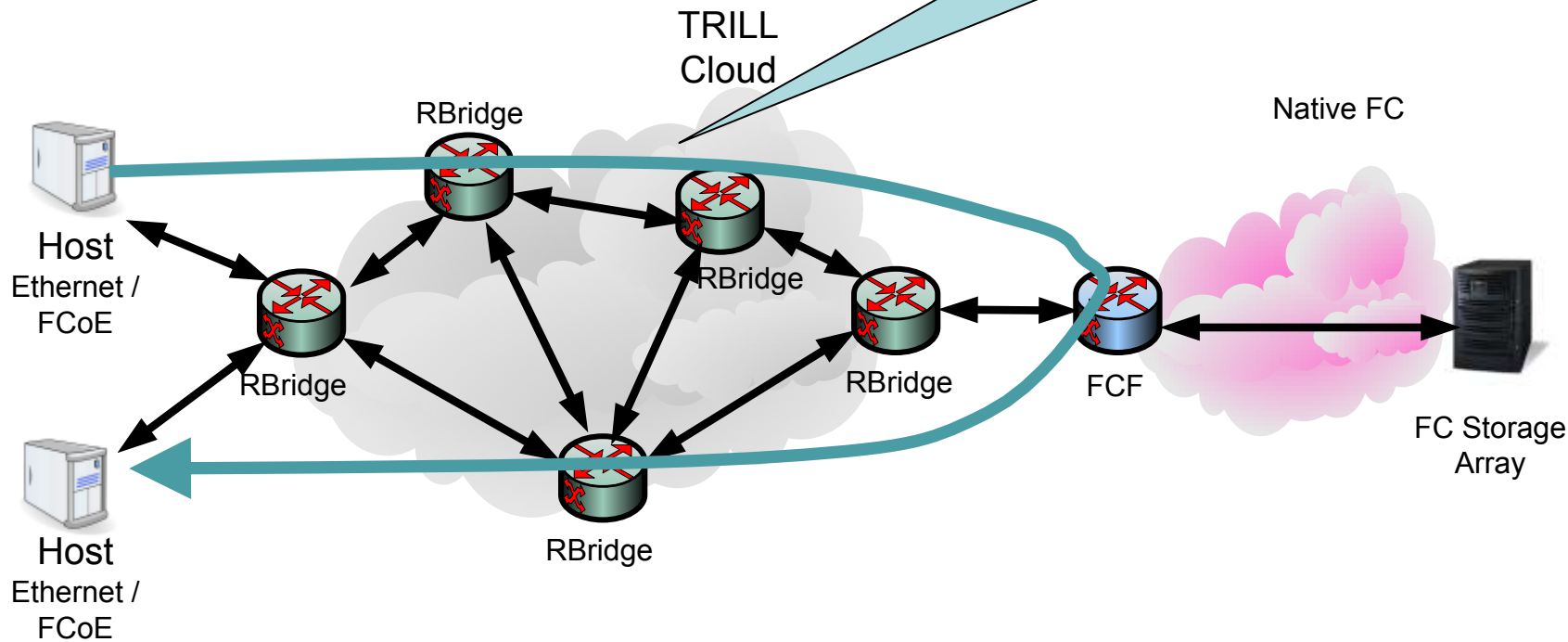
- ▶ The TRILL topology is very similar.
- ▶ RBridges play similar roles as FCFs.



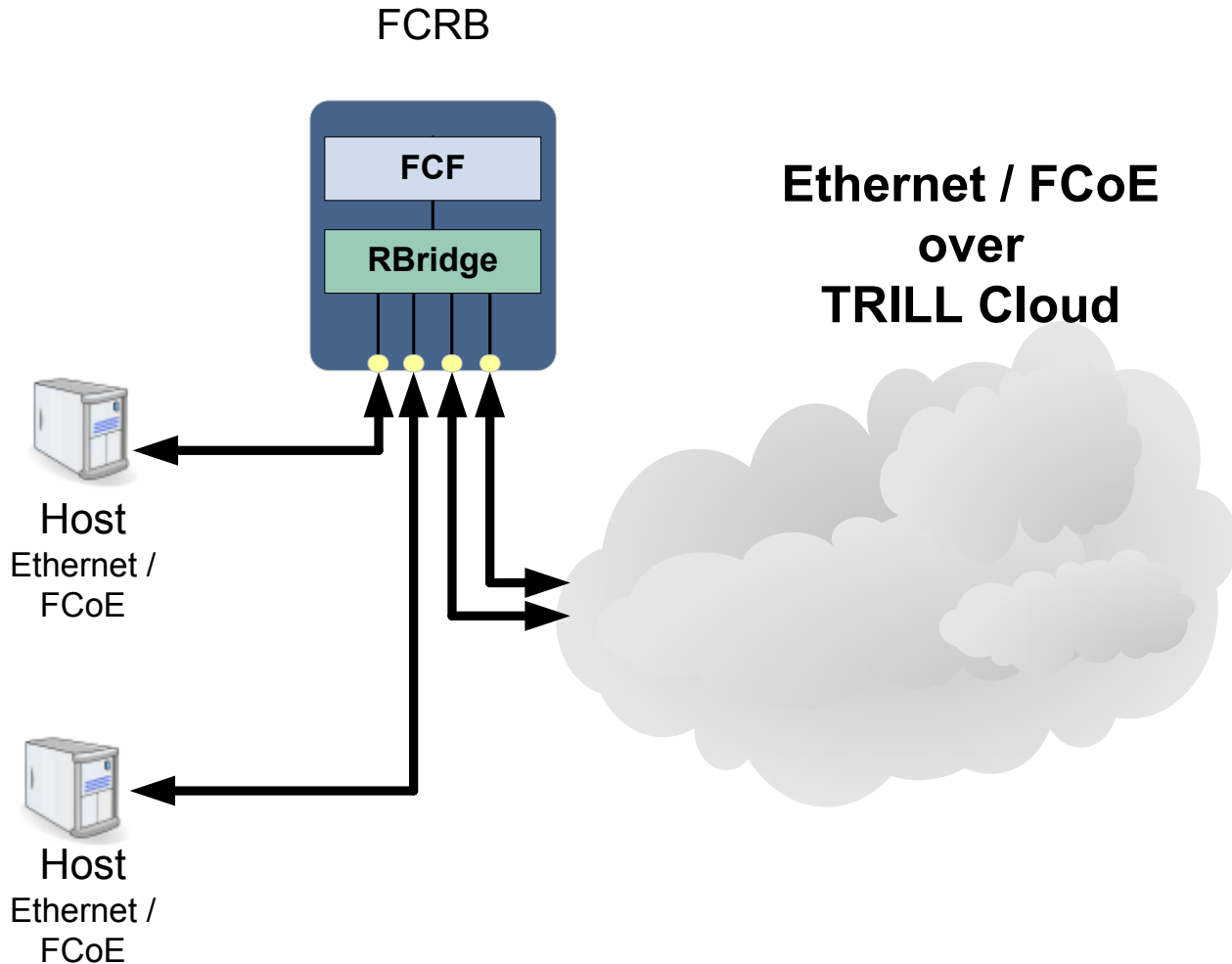
FCoE with TRILL (1)

- ▶ **What happens when we have FCoE and TRILL in the same network?**
- ▶ **Separate cloud approach:**

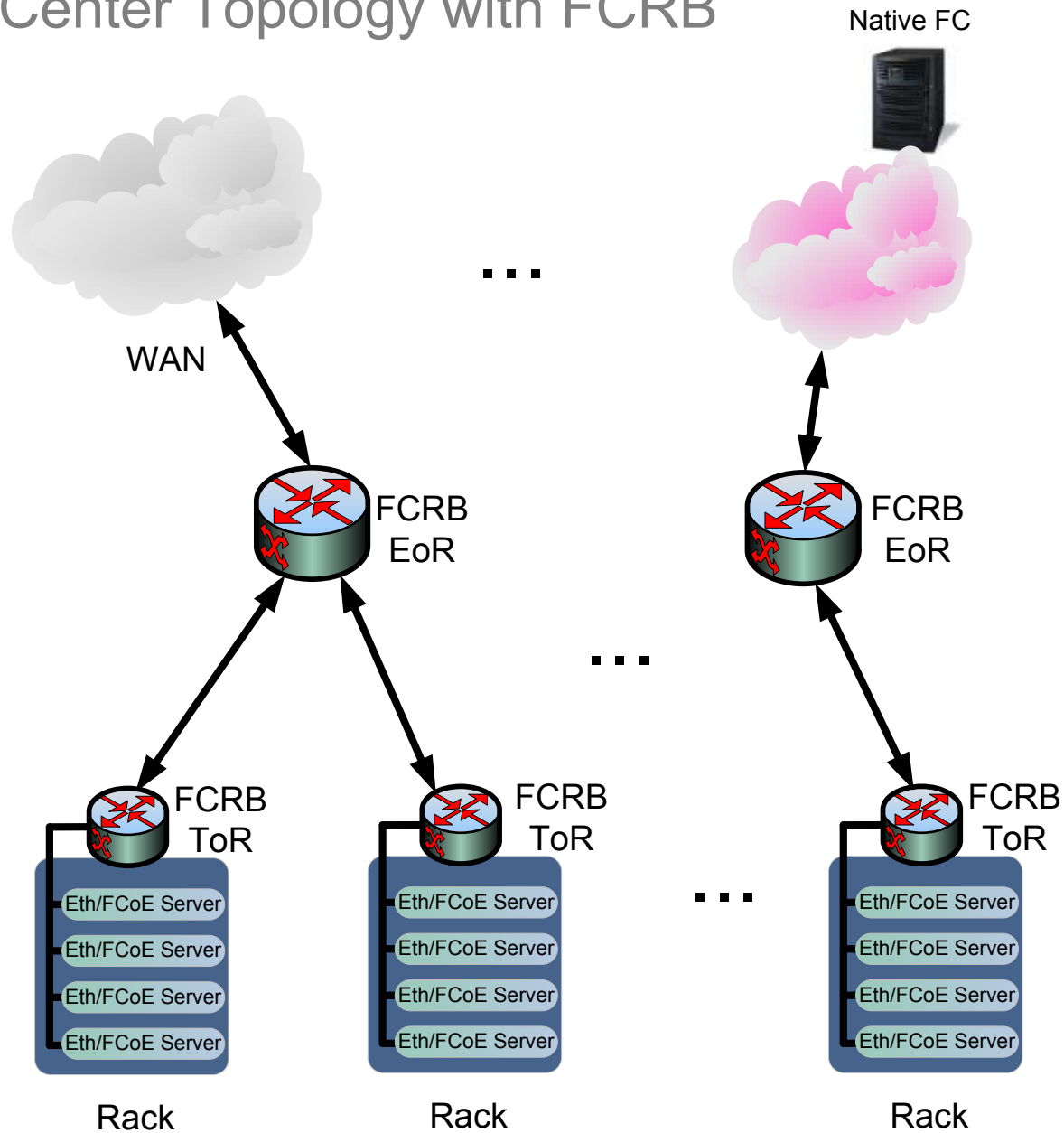
• **FCoE traffic between hosts must be forwarded through an FCF.**
• **With separate clouds: goes through more hops.**



FCRB – FCF over RBridge



Data Center Topology with FCRB



Next Steps

- ▶ **July 2011 – draft 00.**
- ▶ **Receive feedbacks from WG.**

Thanks

Data Center Topology with FCRB (2)

