

FDF USE CASE & BEHAVIOR INPUT FROM CUSTOMERS

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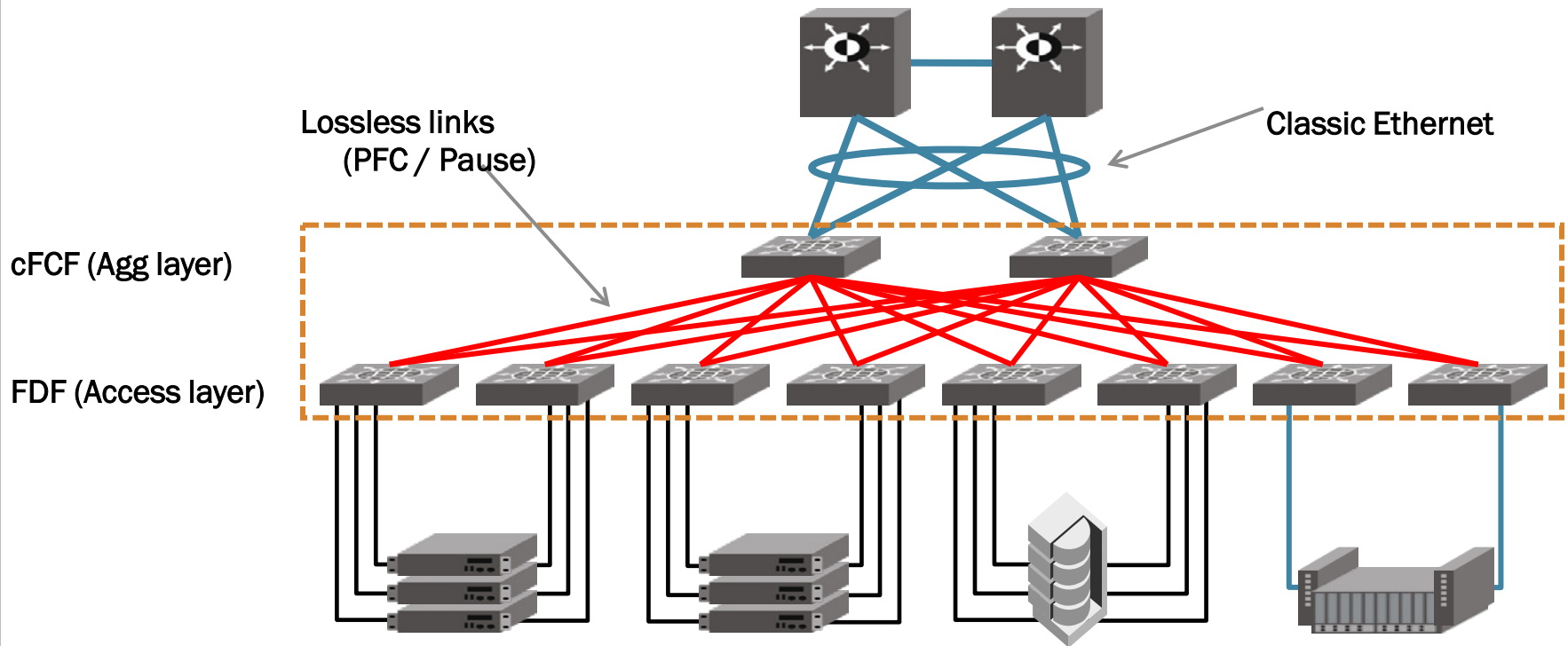


FDF use case feedback

- Discussed FC-BB-6 goals and current direction with customers (10 total)
- Presented the following topics based on current direction of FC-BB-6
 - Presented FDF Use case and requirements
 - Presented Routing proposals
 - Presented cFCF and its functions
- General Discussion on Dual Fabrics in the Ethernet world

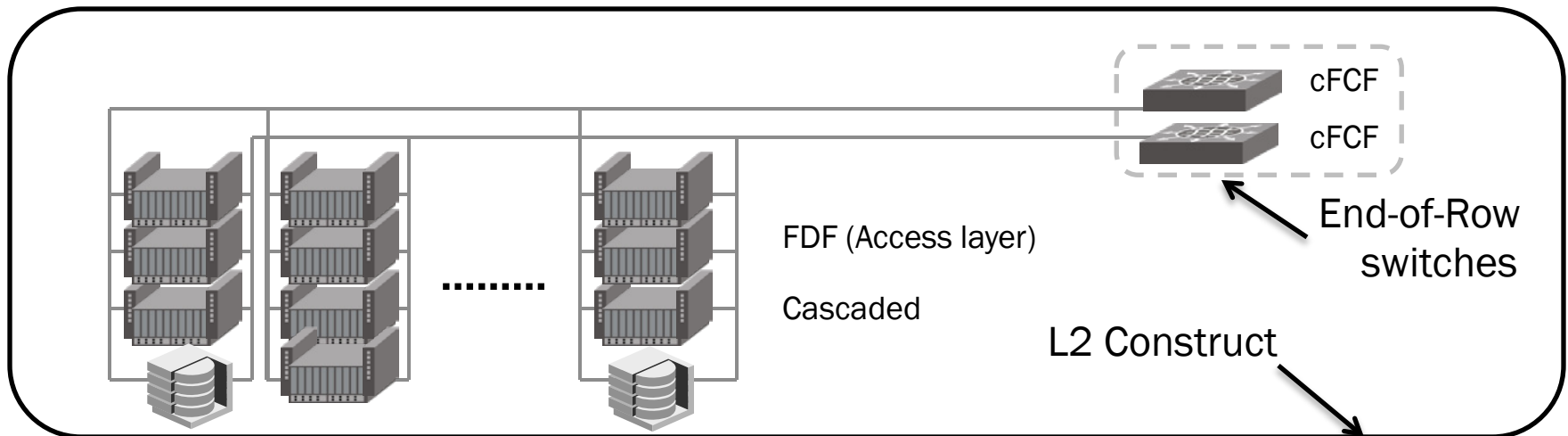


FDF current thoughts and direction



FDF current thoughts and direction

- FDF's are currently the access/edge device
- FDF's can be cascaded
 - Use cases include Blade servers in a single rack where each switch is daisy-chained (within the rack)



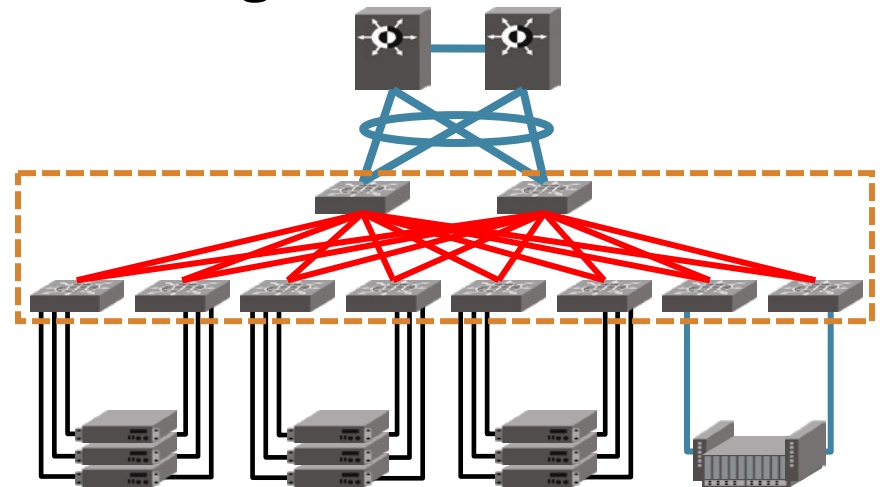
- Customers stated that this will be a L2MP network



FDF Control Plane feedback

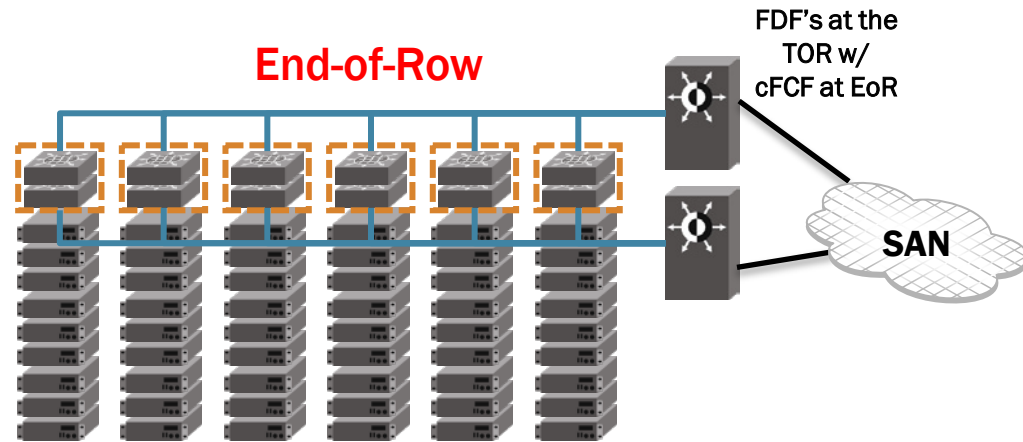
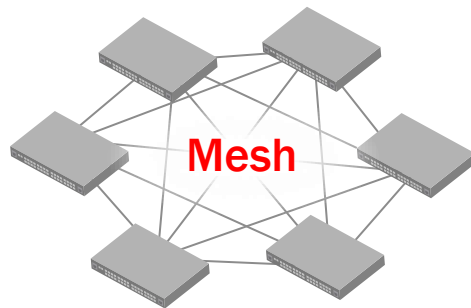
FCoE deployment options

- Many interesting comments:
 - cFCF's looks like the traditional aggregation switch similar to today's L2/L3 boundary separation
 - We assuming routing is established via something like IS-IS like what TRILL calls for ? Or SPB mechanism ?
 - In other words, whichever L2MP schema is used, we assume that it will program the FCoE routes
 - FDF's are essentially a FCoE aware bridge
 - cFCF's are redundant right ?

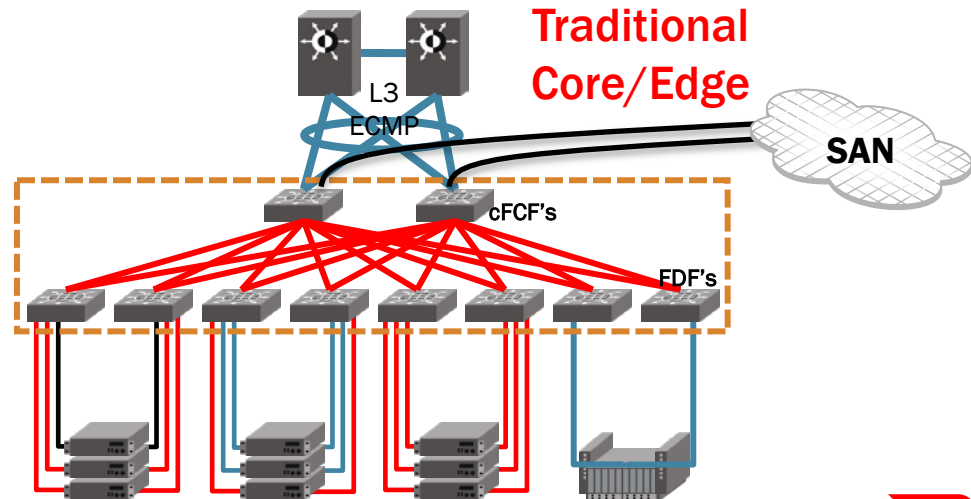
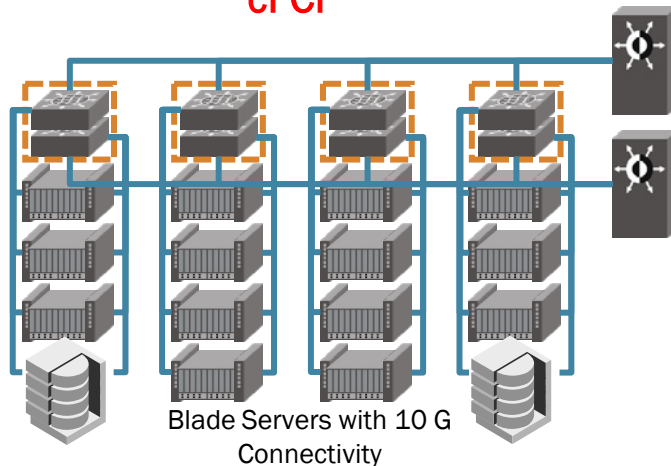


cFCF & FDF Topologies

What topologies are supported ?

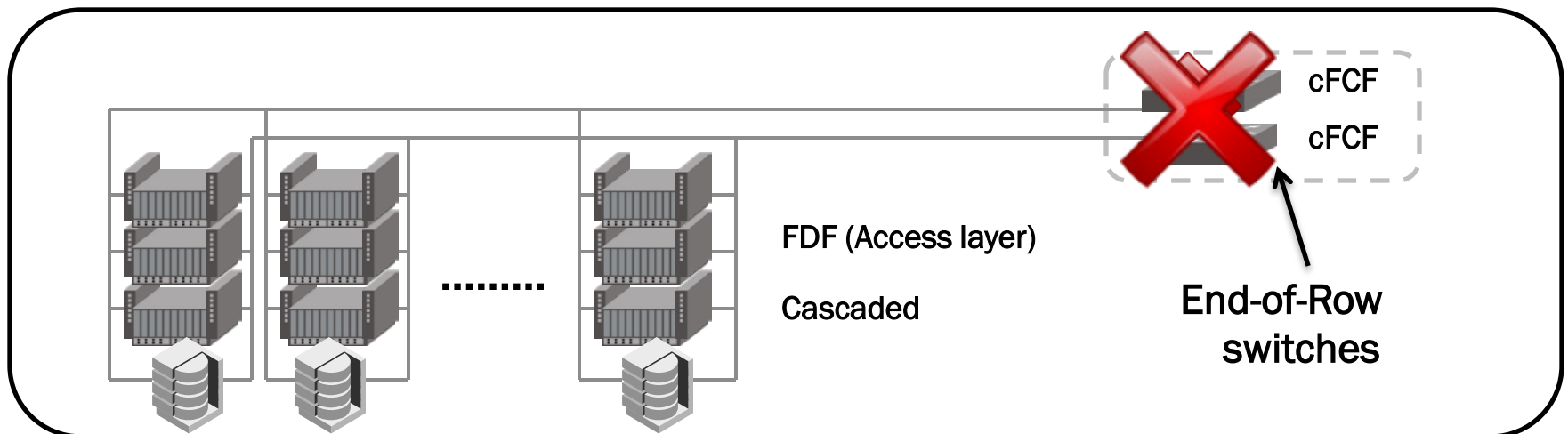


Cascaded FDF's w/ EoR/.MoR
cFCF



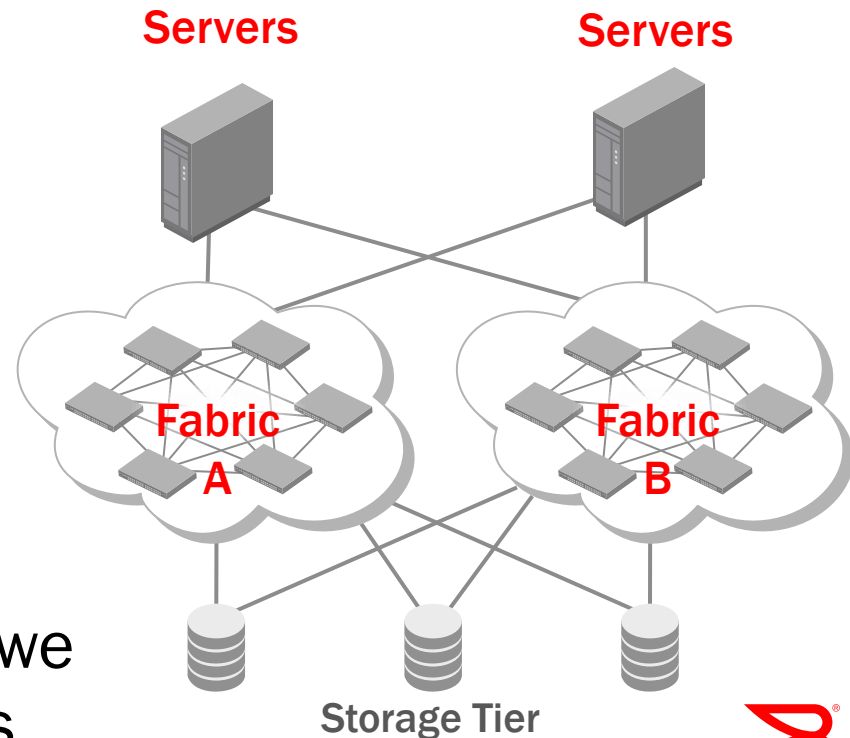
FDF and associated functions

- FDF's are typically L2 only switches
- FDF's have routes programmed by the cFCF
- FDF's can function independently in the event of failure
- There is no reason that FCoE traffic should stop in the event of an unreachable cFCF
 - Doesn't happen with a L2 switch loses connectivity



Dual Fabrics

- Customers do not think a dual fabric configuration is viable for their access tier
- Want as much redundancy and resiliency in the L2 domain as possible
 - Hence the need for FDF to survive cFCF failure
- Routing / Management challenges with dual fabrics
- Simplicity is key and they think we should solve redundancy issues





Thank You