MultiCE LFB Sharding in MultiFE environment in FoRCES

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• The default master handles the LFB instance partitioning
  – A new table in FEPO is needed
• The default master owns all other LFBs including FEO and FEPO
• The distributed CEs own specific LFB instances to which they have write privileges
• All CEs can read any LFB instance
• CE HA works as per the existing draft
MultiCE LFB Sharding in MultiFE environment in FoRCES (A model)
MultiCE LFB Sharding in MultiFE environment in FoRCES

• In some environments a threshold exists whereby when a CE is controlling multiple LFBs within multiple FEs the CE becomes the bottleneck
• The sharding mechanism proposed here eliminates this bottleneck by allowing horizontal control to increase the vertical scaling