

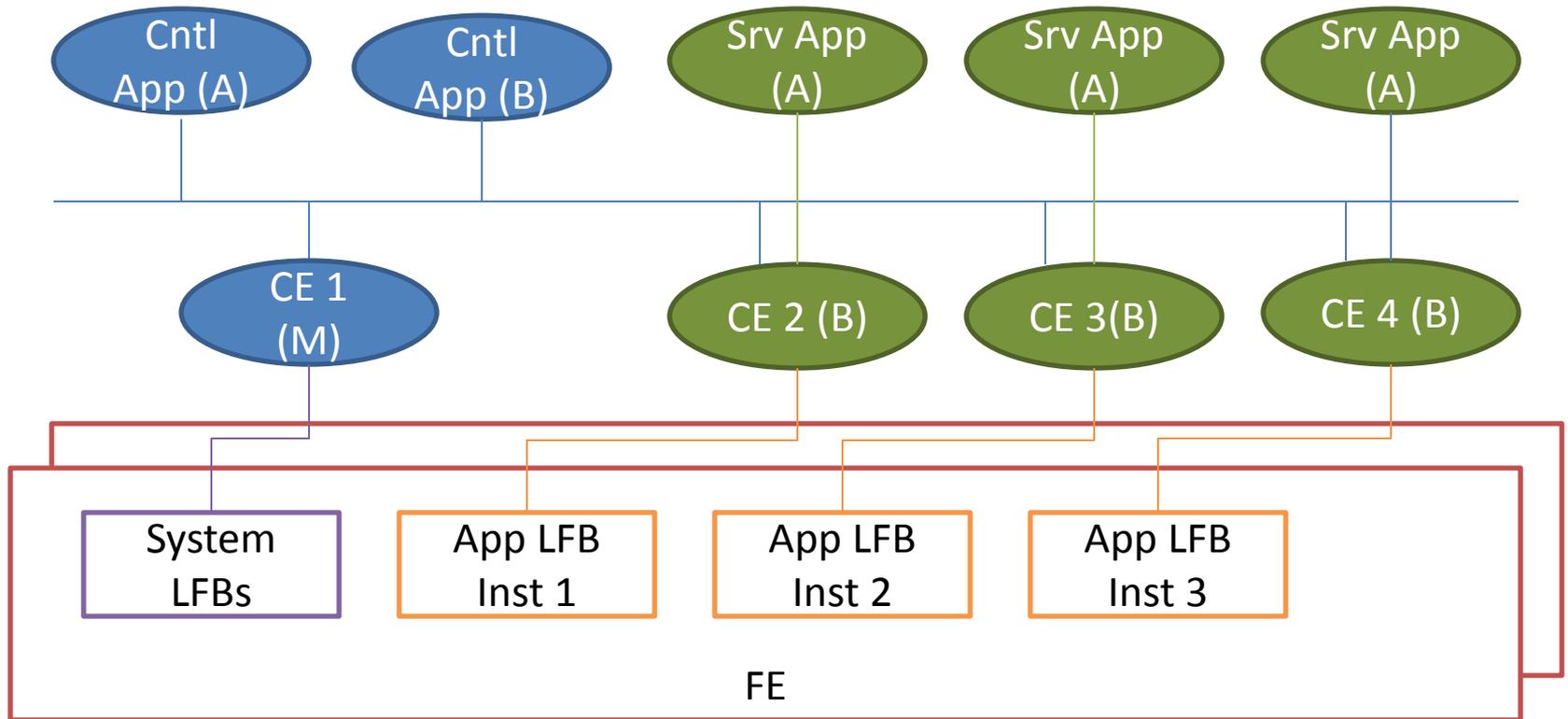
# MultiCE LFB Sharding in MultiFE environment in FoRCES

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# MultiCE LFB Sharding in MultiFE environment in FoRCES

- 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