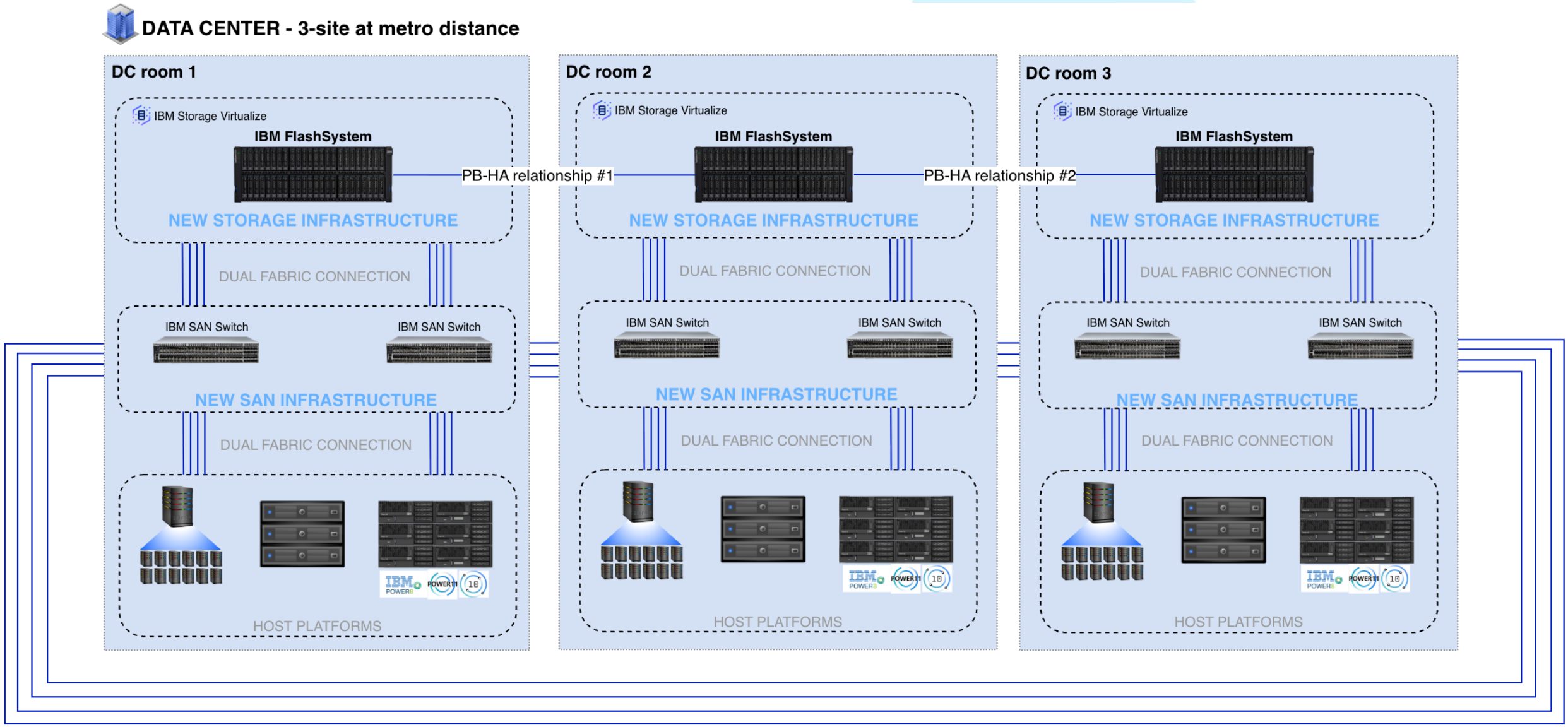THREE-SITES DATA CENTER ARCHITECTURE WITH PB-HA