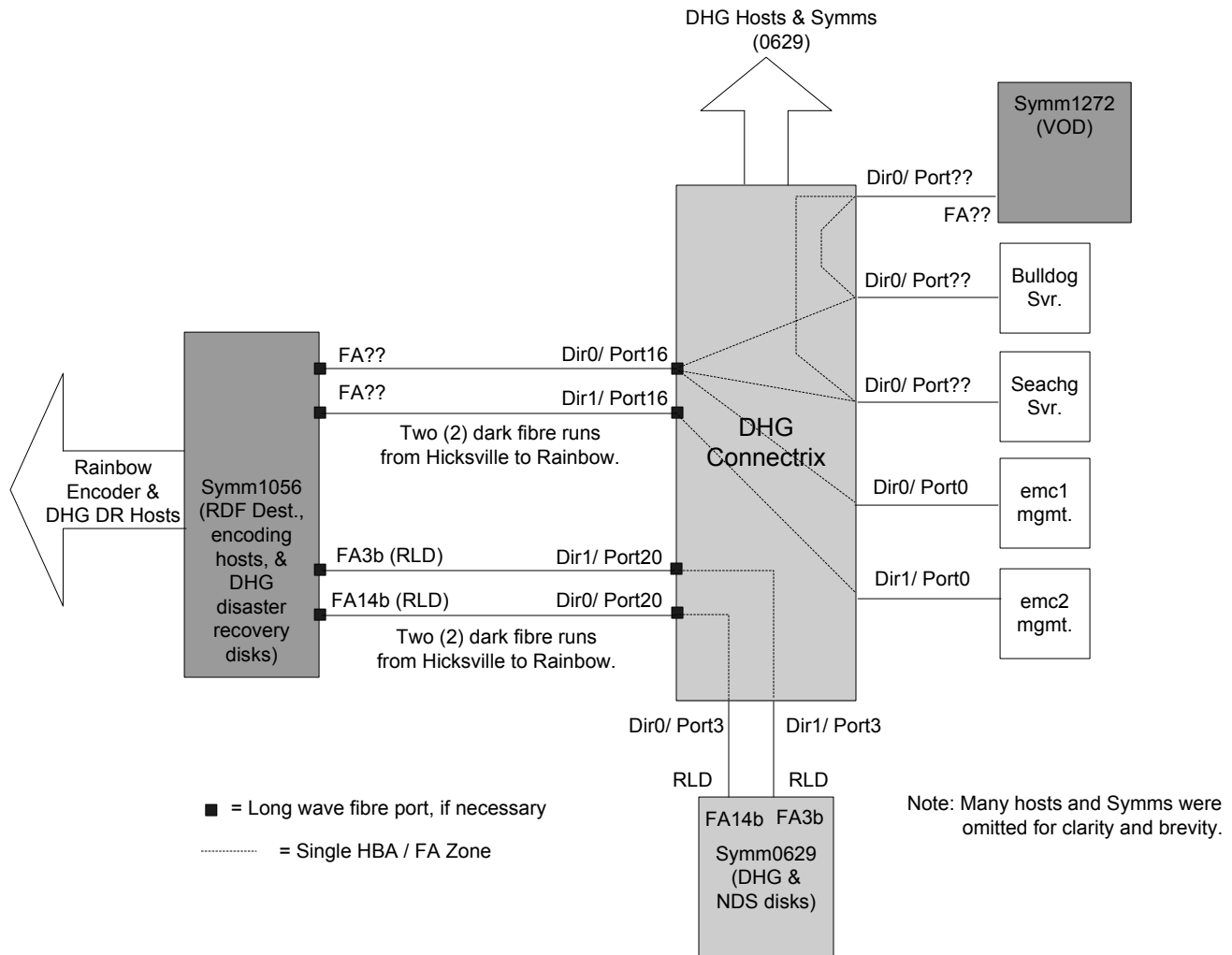


# Rainbow shared disk connectivity & DHG SRDF SAN Configuration (v4.1 - By Milton Vega - Architect & Implementor)



## Notes:

- The two unidentified FA ports on Symm1056 (FA??) shall be given visibility to the Volume Logix Database, and unique gatekeepers, so that the ECC & Volume Logix software on emc1 & emc2 can manage that Symmetrix from the Master Head End.
- One of those same Symm1056 FA ports, will also be given visibility to the Rainbow Encoder disks (BCV's) and a set of dedicated gatekeepers, so that, respectively (1) they can be accessed by the Hicksville Seachange server and (2) TimeFinder functions related to Encoder operations can be managed by the Hicksville Bulldog server. Visibility to both the Encoder disks and related gatekeepers will be provided through the wide area fibre zone illustrated above. Symm1272 will need to be REBINNED (or, at least DDR'ed) so that both the Seachange and Bulldog servers see the disks that they see today. The VLGXDB on Symm1272 will subdivide access as needed.
- Ports 16 & 20 (above) is the single long wave F-port, of a long wave type 4 port Connectrix card.
- SRDF through the switch provides BB\_credits & EE\_credits for Class 2 service, and BB\_credits only for Class 3 service. SRDF without the switch provides EE\_credits only. Note: FA3 & FA14 will have to be swapped out for Longwave FA card equivalents (this will alter the WWPN's of those cards on the Zone Port diagram).
- Ports assigned as Port?? will be judiciously assigned later (as others have been in the DHG connectrix design).
- Note that, it is architecturally more flexible and scalable to extend the SAN by introducing an intermediate Fibre Switch between the DHG Connectrix and the remote Rainbow Symmetrix using E Ports (as I depict in version 6 of this document by introducing a DS-16B switch as the intermediate switch). Having a DS-16B switch on the Rainbow side of the long distance (9 micro-meter) Fibre Run participate in an E-Port to E-Port configuration, would make the links usable for all types of Symm to Symm traffic between the DHG and Rainbow Symms. As shown above, the 4 fibre runs are "hard-coded" to serve SRDF traffic and Host to Host traffic for specific hosts. Budgetary constraints prohibit the purchase of an additional DS16B switch at this time. This architectural explanation was provided for completeness.