Each cube is an IRU.
Each blue circle of the cube is a HARP ASIC on a compute blade.
There is one HARP ASIC in each compute blade and in each router blade.
Each RT in the HARP ASIC is an 8-port router.
The HARP ASIC in the compute blade uses 6 of the 8 ports to create the 3D Enhanced Hypercube.
The remaining 2 ports from each RT are used to extend the topology.
The lines from the compute blades up to the NL6 router blades are color coded.
- The black line originates from RT0 port 0 of the HARP ASIC in the compute blade.
- The red line originates from RT1 port 0 of the HARP ASIC in the compute blade.
- The blue line originates from RT0 port 1 of the HARP ASIC in the compute blade.
- The green line originates from RT1 port 1 of the HARP ASIC in the compute blade.

Bisection Bandwidth Specifications are based on:
1 cable = 6.7 GB/s Peak Symmetric Payload bandwidth

Bisection Bandwidth = 6.7 GB/s/node
128 links @ 6.7 GB/s = 857.6 GB/s
857.6 GB/s divided by 128 nodes = 6.7 GB/s/node
4 hops maximum

Parts:
- 2 racks
- 8 IRUs
- 64 compute blades
- 16 router blades
- 256 cables