SAS HD ports on the IOMs are used to connect the drive enclosures to the storage system.

- StoreServ 20000-series nodes can be configured to have one to three I/O modules (IOMs) in slots S2, S1, and S0 of each node.
- Each IOM provides four SAS ports numbered DP1 through DP4.
- StoreServ 20000-series storage systems can have up to four node pairs (0/1, 2/3, 4/5, 6/7).
- Each IOM port used will connect to two drive enclosures, which are cabled as shown on page 3.
- Each drive enclosure must be attached to both nodes in a node pair.

Follow this pattern until all drive enclosures in the system are connected to a node pair.

1. Start cabling with the node pair 0/1 (nodes 0 and 1) and port DP1 on IOM S2 for both nodes in the pair.

2. Connect the two lowest numbered drive enclosures to the ports as described on page 3 “Connecting Drive Enclosures.” Make sure to connect(chain) the drive enclosures in the pair using short .5m jumper cables.

3. Continue connecting pairs of drive enclosures on IOM S2 port DP1 for the remaining node pairs in your configuration (nodes 2/3, nodes 4/5, and nodes 6/7 if applicable).

4. After all DP1 ports on IOM S2 are used on all node pairs, continue by connecting drive enclosures to the DP1 ports on IOM S1 following the same pattern starting with the node pair 0/1 and using all DP1 ports on all IOM S1 modules in the remaining node pairs.

5. After all DP1 ports on all IOMs are used, continue by connecting drive enclosures to the DP3 ports on the IOM modules in your system beginning with IOM 2 node pair 0/1.

6. After all DP3 ports on all IOMs are used, continue by connecting drive enclosures to the DP2 ports on the IOM modules in your system beginning with IOM 2 node pair 0/1.

7. After all DP2 ports on all IOMs are used, continue by connecting drive enclosures to the DP4 ports on the IOM modules in your system beginning with IOM 2 node pair 0/1.
Connecting Drive Enclosures

StoreServ 20000-series node pairs consist of node pairs 0/1, 2/3, 4/5, and 6/7. StoreServ 20000 series can have up to four node pairs or eight nodes. When connecting a node pair to drive enclosures, each port on the node IOMs will connect to two drive enclosures.

1. Connect the drive enclosure pair to the red color-coded node of the node pair:
   1.1 Connect the port on the node IOM to the lower drive enclosure IOM 0 (red), DP-1.
   1.2 Connect IOM 0, DP-2 of the lower drive enclosure to IOM 0 (red), DP-1 of the upper drive enclosure in the pair.

2. Connect the drive enclosure pair to the green color-coded node of the node pair:
   2.1 Connect the port on the node IOM to the drive enclosure number IOM 1, DP-1.
   2.2 Connect IOM 1, DP-2 of the upper drive enclosure to IOM 1, DP-1 of the lower drive enclosure in the pair.

3. Apply the correct labels from the provided label sheets based on the endpoints of each cable.