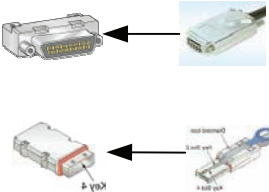
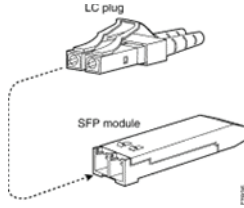
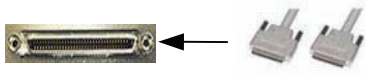
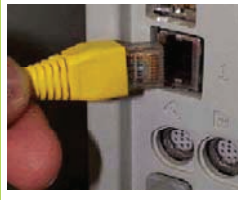

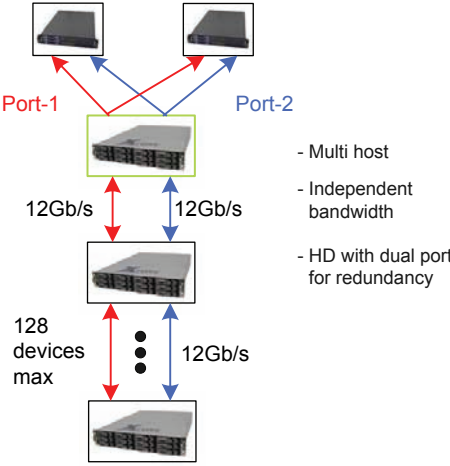
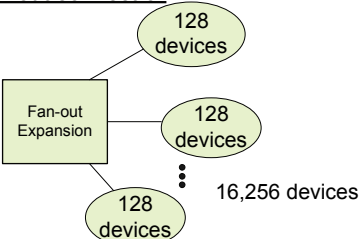

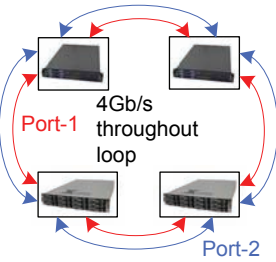
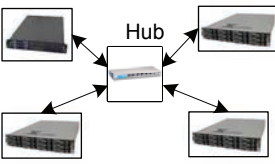
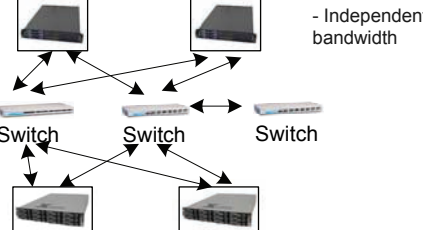

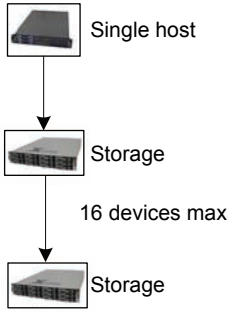

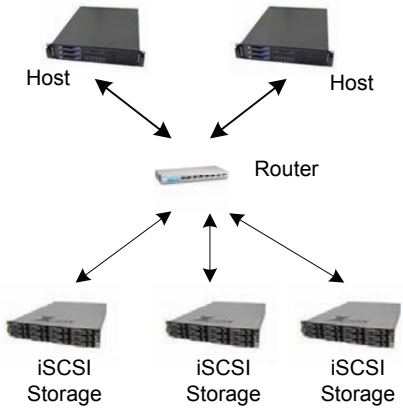


Topology	SAS	FC	SCSI	iSCSI
Connection	 <p>Infiniband multilane connector OR I-Pass multilane connector</p>	 <p>LC plug SFP module To storage enclosure</p>		
Maximum bandwidth	Multilane consists of 4 single lane @ 3Gb/s = 12Gb/s 4x300MB/s = 1200MB/s (per direction / full duplex)	400MB/s shared bandwidth (half-duplex) for 4Gbit	320MB/s shared bandwidth (half-duplex)	100MB/s (1Gb/s)
Maximum HDD size	300GB (15k rpm) 400GB (10k rpm) 1TB (7.2k rpm)	300GB	300GB	1TB (SATA)
Maximum device	Up to 128 devices; 16,256 devices with fan-out expander	Up to 127 devices; 16 million devices with fabric FC	Up to 16 devices	Up to 256TB (Wasabi OS)
Maximum cable length	10m	10km	12m	100m (Ethernet cable max length)
Fail over / expansion	<p><b>Direct connection</b></p>  <p>Host Storage</p> <p><b>Expander connectivity</b></p>  <p>Port-1 Port-2</p> <ul style="list-style-type: none"> <li>- Multi host</li> <li>- Independent bandwidth</li> <li>- HD with dual port for redundancy</li> </ul> <p>12Gb/s 12Gb/s</p> <p>128 devices max</p> <p><b>Fan-out connection</b></p>  <p>128 devices</p> <p>128 devices</p> <p>128 devices</p> <p>16,256 devices</p>	<p><b>Direct connection</b></p>  <p>Host Storage</p> <p><b>Arbitrated Loop</b></p>  <ul style="list-style-type: none"> <li>- Multi host</li> <li>- HD with dual port for redundancy</li> <li>- Shared bandwidth between devices in the loop</li> <li>- 1 device fail, loop broken</li> </ul> <p>4Gb/s throughput loop</p> <p>Port-1 Port-2</p> <p><b>Hub</b></p>  <ul style="list-style-type: none"> <li>- To prevent broken loop when 1 device fail, hub is used</li> </ul> <p><b>Fabric Switch</b></p>  <ul style="list-style-type: none"> <li>- Independent bandwidth</li> </ul> <p>Switch Switch Switch</p>	<p><b>Direct connection</b></p>  <p>Host Storage</p> <p><b>Daisy-chain connection</b></p>  <p>Single host</p> <p>Storage</p> <p>16 devices max</p> <p>Storage</p>	<p><b>Direct connection</b></p>  <p>Host Router iSCSI Storage</p> <p><b>Network connection</b></p>  <p>Host Host Router iSCSI Storage iSCSI Storage iSCSI Storage</p>