

Advanced Digital  
Information Corporation

**Title:** Quantum devices directly attached to HP-UX FC HBA requires hard loop ID to be set.  
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| <b>Solution Type</b> | Best Practice                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Status</b>        | Released                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Distribution</b>  | Public                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Category</b>      |                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purpose</b>       | <p>When direct-connecting a device such as a fibre channel blade or tape drive in a Quantum library to an HP-UX server, no devices are seen by the HP-UX operating system unless the device is configured to have a hard loop ID.</p> <p>HP-UX uses device addresses based on loop ID, not on World Wide Port Name (WWPN), therefore the loop ID for the target ports (ports 1 and 2 on a fibre channel blade) must have a hard loop ID set.</p>    |
| <b>Action</b>        | <p>When direct connecting devices in a Quantum Library (such as a tape drive or fibre channel blade) directly to an HP-UX HBA, assign a hard loop ID to the device ports, such as the target ports on the fibre channel blade (ports 1 and/or 2), or to any direct-connected fibre channel tape drives. Also, be sure the devices and host HBA port are able to successfully auto-negotiate to "loop" mode, or hard-set each port to loop mode.</p> |