Note: Ethernet link aggregation (port trunking) or *channel bonding* for the Storwize V7000 nodes' Ethernet ports is not supported for the 1 Gbps ports.

3.7.3 General recommendation

This section covers general preferences that are related to iSCSI.

Planning for host attachments

An iSCSI client, which is known as an iSCSI *initiator,* sends SCSI commands over an IP network to an iSCSI target. A single iSCSI initiator or iSCSI target is called an *iSCSI node*.

You can use the following types of iSCSI initiators in host systems:

- Software initiator: Available for most operating systems (OS), including AIX, Linux, and Windows.
- Hardware initiator: Implemented as a network adapter with an integrated iSCSI processing unit, which is also known as an *iSCSI HBA*.

Make sure that iSCSI initiators, targets, or both that you plan to use are supported. Use the following websites for reference:

- IBM Storwize V7000 V8.1 Support page
- IBM Knowledge Center for IBM Storwize V7000
- hIBM System Storage Interoperation Center (SSIC)

iSCSI qualified name

A Storwize V7000 cluster can provide up to eight iSCSI targets, one per node. Each Storwize V7000 node has its own IQN, which, by default, is in the following form:

`iqn.1986-03.com.ibm:2145.<clustername>.<nodename>`

An alias string can also be associated with an iSCSI node. The alias enables an organization to associate a string with the iSCSI name. However, the alias string is not a substitute for the iSCSI name.

Note: The cluster name and node name form part of the IQN. Changing any of them might require reconfiguration of all iSCSI nodes that communicate with the Storwize V7000.

3.7.4 iSCSI Extensions for RDMA (iSER)

IBM Spectrum Virtualize V8.2.1 introduced support for iSER host attachment for the Storwize V7000 Gen2+ by using RoCE or iWARP transport protocol, depending on HBA hardware and host platforms that provide the following components:

- A fully Ethernet based infrastructure (no Fibre Channel) in the Data center
- IBM SAN Volume Controller or Storwize inter-node communication
- HyperSwap (SVC/Storwize)

The system supports node-to-node connections that use Ethernet protocols that support remote direct memory access (RDMA) technology, such as RDMA over Converged Ethernet (RoCE) or iWARP.