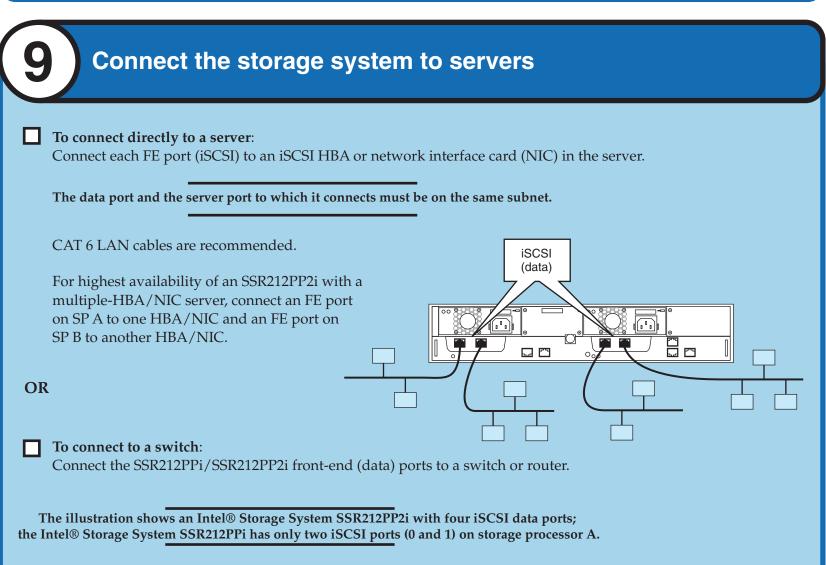
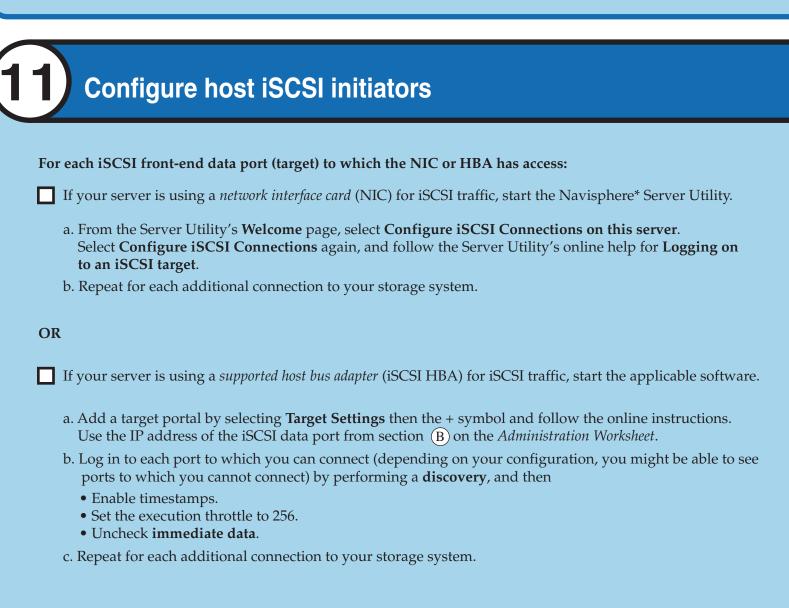
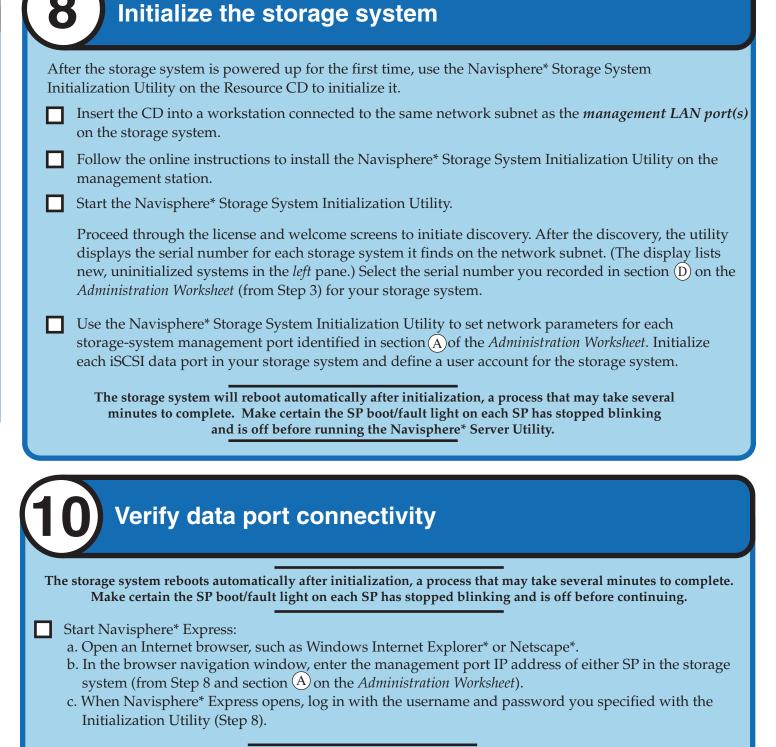
Connect management ports to a network Connect the LAN port for each SP (one in an SSR212PPi, two in an SSR212PP2i) to the network on which you will manage the storage system with the Navisphere* Express software. For dual-SP systems, both connections must be on the same subnet. Be sure to connect your management network to the management LAN port(s) on the storage system. You cannot manage the storage system from the iSCSI front-end data ports. If you connect your storage-system management port(s) management LAN port directly to a switch, make sure to use switch ports that support autonegotiation or are configured for half-duplex operation. LAN port 10/100/1000 LAN







In the Navisphere* Express navigation pane, under **Manage**, click **iSCSI**. Verify connectivity.

- - Select a data port to test.
- Enter the *host* iSCSI port's IP address (from section © in your *Administration Worksheet*).
- Ping the NIC or HBA port on that subnet; Request Timed Out indicates a faulty configuration; refer to the Intel support website to resolve the problem before you continue.

The first time you log in to your storage system, Attention Required messages indicate that you have not

configured a hot spare, an email home service account, or system security. Ignore those messages for now;

you can address each of them later in the setup procedure.

If the Attention Required page indicates a hardware error, refer to the Intel support website to

resolve the problem before you continue.

• Repeat these verification steps for each iSCSI data port.

Do not configure CHAP security at this time; you can implement CHAP later, in Step 13.

12)	Configure storage
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- Start Navisphere* Express.
 - a. Open an Internet browser, such as Microsoft Internet Explorer* or Netscape*.
 - b. In the browser navigation window, enter the management IP address of either SP in the storage system (from Step 8 and section (A) on the *Administration Worksheet*).
 - c. When Navisphere* Express opens, log in with the username and password you specified with the Initialization Utility (Step 8).
- Follow the online help to configure storage on the storage system as follows:
 - a. Create disk pools and virtual disks.
 - b. Assign virtual disks to a server.
 - c. Create a hot spare.
 - d. Configure the Event Notification page (System > Settings > Event Notification) to send you email notification when the storage system encounters a problem.
- Prepare the server's operating system to recognize the new storage system.
 - a. Reboot your server.
 - b. Follow your operating system's instructions to prepare the virtual disks to receive data by formatting and then adding drive letters to the disks.

(For more details, refer to the Navisphere* Express online help and the installation instructions on the Resource CD or the Intel support website.)

If you decide to use CHAP security (Step 13), you should set up and enable CHAP before you begin processing data.

What next? Register the storage system to receive alerts and software downloads. Set up CHAP security (optional). Setting up and enabling an encrypted authentication mechanism called CHAP (Challenge Handshake Authentication Protocol) can protect iSCSI systems on a shared local area network from unauthorized users.

If your data ports connect directly to a server, or if every server on the LAN to which they are connected requires equal access to the storage system, you do not need to set up CHAP security.

Refer to the Navisphere* Express online help by selecting Managing your storage environment > Managing iSCSI storage systems > Setting CHAP security.

When CHAP is enabled, the storage system allows iSCSI initiators with the proper identification to log in, but denies access to unidentified initiators.

- Use Navisphere* Express to set up initiator CHAP security, mutual CHAP security, or both.
- Use Navisphere* Express to enable Initiator Authentication on the storage system.
- Use the Navisphere* Server Utility to set up CHAP security on a server that uses an iSCSI NIC.
- Use applicable software to set up CHAP security on a server that uses a supported HBA.