

Plan to define the following management and data policies after the TS7740 Cluster join is complete:

- ▶ Define stacked volume ranges
- ▶ Define reclaim threshold percentage

Logical volume considerations

Ensure that the joining cluster has at least the same number of FC5270 components installed as in the existing cluster or grid.

Licensed Internal Code supported levels and feature code for join

Release 4.1 supports the ability to have V07/VEB/VEC clusters (new from manufacturing or empty through a manufacturing clean-up process) join an existing grid with a restricted mixture of Release 2.1, Release 3.x clusters, and Release 4.1. There can be three total code level differences across both targets and the joining system during the MES where R2.1 can be the lowest of the three levels.

The joining cluster must be at an equal or later code level than the existing clusters. One or more Release 4.1, Release 3.x, or Release 2.1 clusters can exist in the grid if the total of all levels, including the joining cluster, does not exceed three unique levels.

When you join one cluster to a cluster in an existing grid, all clusters in the existing grid are automatically joined. Before you add an empty cluster to an existing cluster or grid, ensure that you have addressed the following restrictions for the join process:

- ▶ The joining cluster must be empty (contain no data, no logical volumes, and no constructs).
- ▶ If the existing cluster to be joined to is a member of a grid, it must be the current code level of any member in the grid.
- ▶ The joining cluster must be at an equal or later code level than the existing clusters.
- ▶ The joining cluster and existing cluster must have FC 4015 installed.
- ▶ The joining cluster must support at least the number of logical volumes that are supported by the grid by using FC 5270.
- ▶ The joining cluster must contain FC 5271 if the existing cluster to be joined has this feature code installed.
- ▶ If the joining cluster has FC 1035 installed, the client's infrastructure must support 10 Gb.

Join steps

Complete the following steps to join the cluster:

1. Arrange for these join cluster tasks to be performed by the IBM SSR:
 - a. Verify the feature code.
 - b. Establish the cluster index number on the joining cluster.
 - c. Configure the grid IP address on both clusters and test.
 - d. Configure and test Autonomic Ownership Takeover Manager (AOTM) when needed. See Chapter 2, "Architecture, components, and functional characteristics" on page 15 for more information.
2. Change HCD channel definitions.

Define the new channels and the device units' addresses in HCD.