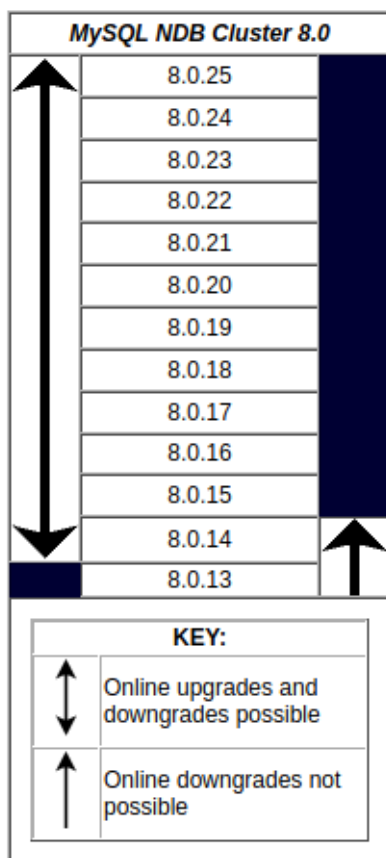## Upgrades and Downgrades, NDB Cluster 8.0

Figure 23.5 NDB Cluster Upgrade and Downgrade Compatibility, MySQL NDB Cluster 8.0

Version support.   The following versions of NDB Cluster are supported for upgrades to GA releases of NDB Cluster 8.0 (8.0.19 and later):

- NDB Cluster 7.6: NDB 7.6.4 and later

- NDB Cluster 7.5: NDB 7.5.4 and later

- NDB Cluster 7.4: NDB 7.4.6 and later

To upgrade from a release series previous to NDB 7.4, you must upgrade in stages, first to one of the versions just listed, and then from that version to the latest NDB 8.0 release. In such cases, upgrading to the latest NDB 7.6 release is recommended as the first step.

Known Issues.   The following issues are known to occur when upgrading to or between NDB 8.0 releases:

- Online downgrades from NDB 8.0.14 to previous releases are not supported. Tables created in NDB 8.0.14 are not backwards compatible with previous releases. This is due to a change in usage of the extra metadata property implemented by NDB tables to provide full support for the MySQL data dictionary.

  For more information, see Changes in NDB table extra metadata. See also Chapter 14, *MySQL Data Dictionary*.