

a newer version of MySQL to an older cluster, but you must use a copy of `ndb_restore` from the newer NDB Cluster version to do so.

For example, to restore a cluster backup taken from a cluster running NDB Cluster 7.5.23 to a cluster running NDB Cluster 7.4.33, you must use the `ndb_restore` that comes with the NDB Cluster 7.5.23 distribution.

For more rapid restoration, the data may be restored in parallel, provided that there is a sufficient number of cluster connections available. That is, when restoring to multiple nodes in parallel, you must have an `[api]` or `[mysqld]` section in the cluster `config.ini` file available for each concurrent `ndb_restore` process. However, the data files must always be applied before the logs.

- `--backup-password=password`

Command-Line Format	<code>--backup-password=string</code>
Introduced	8.0.22-ndb-8.0.22
Type	String
Default Value	<code>[none]</code>

This option specifies a password to be used when decrypting an encrypted backup with the `--decrypt` option. This must be the same password that was used to encrypt the backup.

The password can be up to 256 characters in length, and must be enclosed by single or double quotation marks. It can contain any of the ASCII characters having character codes 32, 35, 38, 40-91, 93, 95, and 97-126; in other words, it can use any printable ASCII characters except for `!`, `'`, `"`, `$`, `%`, `\`, and `^`.

In MySQL 8.0.24 and later, it is possible to omit the password, in which case `ndb_restore` waits for it to be supplied from `stdin`, as when using `--backup-password-from-stdin`.

- `--backup-password-from-stdin[=TRUE|FALSE]`

Command-Line Format	<code>--backup-password-from-stdin[=value]</code>
Introduced	8.0.24-ndb-8.0.24
Type	Boolean
Default Value	<code>FALSE</code>

When used in place of `--backup-password`, this option enables input of the backup password from the system shell (`stdin`), similar to how this is done when supplying the password interactively to `mysql` when using the `--password` without supplying the password on the command line.

- `--backupid=#, -b`

Command-Line Format	<code>--backupid=#</code>
Type	Numeric
Default Value	<code>none</code>

This option is used to specify the ID or sequence number of the backup, and is the same number shown by the management client in the `Backup backup_id completed` message displayed upon