

22.2.4	Initial Startup of NDB Cluster	3900
22.2.5	NDB Cluster Example with Tables and Data	3901
22.2.6	Safe Shutdown and Restart of NDB Cluster	3904
22.2.7	Upgrading and Downgrading NDB Cluster	3905
22.2.8	The NDB Cluster Auto-Installer (DEPRECATED)	3908
22.3	Configuration of NDB Cluster	3930
22.3.1	Quick Test Setup of NDB Cluster	3931
22.3.2	Overview of NDB Cluster Configuration Parameters, Options, and Variables	3933
22.3.3	NDB Cluster Configuration Files	3952
22.3.4	Using High-Speed Interconnects with NDB Cluster	4125
22.4	NDB Cluster Programs	4126
22.4.1	<code>ndbd</code> — The NDB Cluster Data Node Daemon	4126
22.4.2	<code>ndbinfo_select_all</code> — Select From <code>ndbinfo</code> Tables	4134
22.4.3	<code>ndbmtd</code> — The NDB Cluster Data Node Daemon (Multi-Threaded)	4135
22.4.4	<code>ndb_mgmd</code> — The NDB Cluster Management Server Daemon	4137
22.4.5	<code>ndb_mgm</code> — The NDB Cluster Management Client	4145
22.4.6	<code>ndb_blob_tool</code> — Check and Repair BLOB and TEXT columns of NDB Cluster Tables	4147
22.4.7	<code>ndb_config</code> — Extract NDB Cluster Configuration Information	4150
22.4.8	<code>ndb_delete_all</code> — Delete All Rows from an NDB Table	4159
22.4.9	<code>ndb_desc</code> — Describe NDB Tables	4160
22.4.10	<code>ndb_drop_index</code> — Drop Index from an NDB Table	4166
22.4.11	<code>ndb_drop_table</code> — Drop an NDB Table	4167
22.4.12	<code>ndb_error_reporter</code> — NDB Error-Reporting Utility	4168
22.4.13	<code>ndb_import</code> — Import CSV Data Into NDB	4169
22.4.14	<code>ndb_index_stat</code> — NDB Index Statistics Utility	4182
22.4.15	<code>ndb_move_data</code> — NDB Data Copy Utility	4188
22.4.16	<code>ndb_perror</code> — Obtain NDB Error Message Information	4190
22.4.17	<code>ndb_print_backup_file</code> — Print NDB Backup File Contents	4192
22.4.18	<code>ndb_print_file</code> — Print NDB Disk Data File Contents	4192
22.4.19	<code>ndb_print_frag_file</code> — Print NDB Fragment List File Contents	4193
22.4.20	<code>ndb_print_schema_file</code> — Print NDB Schema File Contents	4194
22.4.21	<code>ndb_print_sys_file</code> — Print NDB System File Contents	4194
22.4.22	<code>ndb_redo_log_reader</code> — Check and Print Content of Cluster Redo Log	4194
22.4.23	<code>ndb_restore</code> — Restore an NDB Cluster Backup	4198
22.4.24	<code>ndb_select_all</code> — Print Rows from an NDB Table	4227
22.4.25	<code>ndb_select_count</code> — Print Row Counts for NDB Tables	4230
22.4.26	<code>ndb_setup.py</code> — Start browser-based Auto-Installer for NDB Cluster (DEPRECATED)	4231
22.4.27	<code>ndb_show_tables</code> — Display List of NDB Tables	4234
22.4.28	<code>ndb_size.pl</code> — NDBCLUSTER Size Requirement Estimator	4236
22.4.29	<code>ndb_top</code> — View CPU usage information for NDB threads	4239
22.4.30	<code>ndb_waiter</code> — Wait for NDB Cluster to Reach a Given Status	4244
22.4.31	<code>ndbxfrm</code> — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster	4247
22.4.32	Options Common to NDB Cluster Programs — Options Common to NDB Cluster Programs	4249
22.5	Management of NDB Cluster	4254
22.5.1	Commands in the NDB Cluster Management Client	4255
22.5.2	NDB Cluster Log Messages	4260
22.5.3	Event Reports Generated in NDB Cluster	4276
22.5.4	Summary of NDB Cluster Start Phases	4287
22.5.5	Performing a Rolling Restart of an NDB Cluster	4289
22.5.6	NDB Cluster Single User Mode	4291