Note

Both management nodes and API nodes are eligible to become arbitrators.

23.5.14.36 The ndbinfo memoryusage Table

Querying this table provides information similar to that provided by the `ALL REPORT MemoryUsage` command in the `ndb_mgm` client, or logged by `ALL DUMP 1000`.

The `memoryusage` table contains the following columns:

- `node_id`

  The node ID of this data node.

- `memory_type`

  One of `Data memory`, `Index memory`, or `Long message buffer`.

- `used`

  Number of bytes currently used for data memory or index memory by this data node.

- `used_pages`

  Number of pages currently used for data memory or index memory by this data node; see text.

- `total`

  Total number of bytes of data memory or index memory available for this data node; see text.

- `total_pages`

  Total number of memory pages available for data memory or index memory on this data node; see text.

Notes

The `total` column represents the total amount of memory in bytes available for the given resource (data memory or index memory) on a particular data node. This number should be approximately equal to the setting of the corresponding configuration parameter in the `config.ini` file.

Suppose that the cluster has 2 data nodes having node IDs `5` and `6`, and the `config.ini` file contains the following:

```
[ndbd default]
DataMemory = 1G
IndexMemory = 1G
```

Suppose also that the value of the `LongMessageBuffer` configuration parameter is allowed to assume its default (64 MB).

The following query shows approximately the same values:

```
mysql> SELECT node_id, memory_type, total
     > FROM ndbinfo.memoryusage;
+---------+--------------------+------------+
| node_id | memory_type        | total      |
+---------+--------------------+------------+
|       5 | Data memory        | 1073741824 |
|       5 | Index memory       | 1074003968 |
```