cluster

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CLUSTER

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SQL - Language Statements

CLUSTER

cluster a table according to an index

CLUSTER [(

option

[, ...])] [

table_name

[USING

index_name

]]

where

option

can be one of:

VERBOSE [

boolean

]

Description

The `CLUSTER` command is equivalent to ??? with a `USING INDEX` clause. See there for more details.

Parameters

<table_name>
The name (possibly schema-qualified) of a table.

<index_name>
The name of an index.

`VERBOSE`
Prints a progress report as each table is clustered at `INFO` level.

<boolean>
Specifies whether the selected option should be turned on or off. You can write `TRUE`, `ON`, or `1` to enable the option, and `FALSE`, `OFF`, or `0` to disable it. The <boolean> value can also be omitted, in which case `TRUE` is assumed.

Notes

To cluster a table, one must have the `MAINTAIN` privilege on the table.

While `CLUSTER` is running, the ??? is temporarily changed to `pg_catalog, pg_temp`.

Because `CLUSTER` remembers which indexes are clustered, one can cluster the tables one wants clustered manually the first time, then set up a periodic maintenance script that executes `CLUSTER` without any parameters, so that the desired tables are periodically reclustered.

Each backend running `CLUSTER` will report its progress in the pg_stat_progress_cluster view. See ??? for details.

Clustering a partitioned table clusters each of its partitions using the partition of the specified partitioned index. When clustering a partitioned table, the index may not be omitted. Partitions that are foreign tables are skipped. `CLUSTER` on a partitioned table cannot be executed inside a transaction block.

Examples

Cluster the table employees on the basis of its index `employees_ind`:

```
CLUSTER employees USING employees_ind;
```

Cluster the employees table using the same index that was used before:

```
CLUSTER employees;
```

Cluster all tables in the database that have previously been clustered:

```
CLUSTER;
```

Compatibility

There is no `CLUSTER` statement in the SQL standard.

The following syntax was used before PostgreSQL 17 and is still supported: CLUSTER [VERBOSE] [<table_name> [USING <index_name>]]

The following syntax was used before PostgreSQL 8.3 and is still supported: CLUSTER <index_name> ON <table_name>

See Also

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