data (migration step)

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https://doc.exponential.earth/exphelp/viewer/examples/migration-steps/data.md

data

Inserts, updates or deletes rows of a table on every engine, the values quoted by the connection.

A step of a YAML migration with `type: data`. The class `expMigrationStepData` (`kernel/classes/migration/steps/expmigrationstepdata.php`) is registered in `settings/migration.ini` `[StepSettings] StepTypeList[data]`.

Modes

`mode:` is one of `insert`, `ensure`, `update`, `delete`; every step names one.

Keys

Key	Type	Modes	Default	What it is
`table`	`string`	all	required	the table (a collection on MongoDB)
`rows`	`list`	insert, ensure	required	the rows, each column => value
`key`	`list`	ensure	required	the columns that find a row
`id_column`	`string`	insert, ensure		the auto_increment column; its value of the last row inserted is the result's id
`where`	`map`	update, delete		column => value (a list: one of them; null: is null)
`values`	`map`	update	required	column => new value
`all`	`bool`	update, delete	`false`	true: every row, without where

Besides these, every step takes the keys of the engine: `type`, `mode`, `if`, `references`, `environments`, `engines` and `comment` (the file format). A key of type `identifier` names a node, an object or another part of the installation by id, remote id, path or name (identifiers).

Values for references

`references: { <name>: <value> }` keeps a value of the step's result as `${ref.<name>}` for the steps and migrations after it:

Value	What it is
`count`	how many rows were inserted, updated or deleted

Value	What it is
`id`	insert, ensure: the id_column of the last row inserted (null when none was)

Undoing

A step of this type does not undo itself: a migration with it needs `down:` or a rollback to its caption.

It touches no cache.

Example

YAML

```yaml
- type: data
  mode: ensure
  table: ezsite_data
  key: [ name ]
  rows:
    - { name: news_list_limit, value: "20" }
```

Related

- All step types
- YAML migration steps

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