sql (migration step)

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sql

Runs statements of the engine the installation runs on, written in the step or in files next to the migration.

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

Keys

Key	Type	Default	What it is
`sql`	`string`		statements for every SQL engine (MySQL/MariaDB, PostgreSQL, SQLite, Oracle)
`mysql`	`string`		statements for MySQL/MariaDB (win over sql)
`postgresql`	`string`		statements for PostgreSQL (win over sql)
`sqlite`	`string`		statements for SQLite (win over sql)
`oracle`	`string`		statements for Oracle (win over sql)
`mongodb`	`list`		commands for MongoDB: insert, update, delete, create_collection, drop_collection, create_index, drop_index
`file`	`string`		a file next to the migration; the engine's own file (<name>.<engine>.sql, <name>.mongodb.json) wins over <name>.sql
`part`	`string`: up, down	`"up"`	the part of the file: up, or down (after a line "-- down")
`missing`	`string`: `fail`, `skip`	`"fail"`	what happens on an engine with no statements: fail or skip

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
`statements`	how many statements or commands ran
`engine`	the engine they ran on

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: sql
  sql: "UPDATE ezcontentclass SET always_available = 1 WHERE identifier = 'news';"
  mongodb:
    - { update: ezcontentclass, filter: { identifier: news }, set: { always_available: 1 } }
```

Related

- All step types
- YAML migration steps

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