# content_class_group (migration step)

Source file: doc/eng-us/examples/migration-steps/content_class_group.md Last changed 2026-11-04
https://doc.exponential.earth/learninminutes/exphelp/viewer/examples/migration-steps/content_class_group.md

## content_class_group

Creates, renames, ensures or deletes a group of content classes.

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

### Modes

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

### Keys

| Key | Type | Modes | Default | What it is |
|---|---|---|---|---|
| `group` | `identifier` (class_group) | update, delete | | the group to rename or delete: its name or id |
| `name` | `string` | create, update, ensure | | the name of the group (update: its new name) |
| `missing` | `string`: `fail`, `skip` | update, delete | `"fail"` | what happens when the group is not there: fail (the default) 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 |
|---|---|
| `group_id` | the id of the group |
| `name` | its name |
| `created` | true when the step created the group |
| `changed` | true when the step changed it (created, renamed or deleted) |

## Undoing

Some steps of this type undo themselves when their migration is rolled back without `down:` (the class says which); a migration with any other step of it needs `down:` or a rollback to its caption.

Caches it touches (cleared after the run): `classid`.

## Example

**YAML**

```yaml
- type: content_class_group
  mode: ensure
  name: News
  references: { news_group: group_id }
```

## Related

- All step types
- YAML migration steps

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