layout (migration step)

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

layout

Creates, updates, ensures or deletes a layout of Exponential Layouts with its zones and their links to shared layouts.

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

Modes

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

Keys

Key	Type	Modes	Default	What it is
`identifier`	`string`	all	required	the identifier of the layout
`name`	`string`	create, update, ensure		the name of the layout
`layout_type`	`string`	create, update, ensure		a layout type of explayouts.ini ([LayoutType_<type>]); the zones it defines are added
`shared`	`bool`	create, update, ensure		whether other layouts can take the blocks of its zones (a new layout: false)
`zones`	`map`	create, update, ensure		zone => {} (a zone of its own), { link: "<shared layout>/<zone>" } or { link: none }
`publish`	`bool`	create, update, ensure	`true`	true: the draft is published; false: the change stays in the draft
`missing`	`string: fail, skip`	all	`"fail"`	what happens when the layout, or Exponential Layouts, 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
`layout_id`	the id of the published layout (of the draft with publish: false)
`identifier`	its identifier
`created`	true when the step created the layout
`changed`	true when the step changed something

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): `content`, `template-block`.

Example

YAML

```yaml
- type: layout
  mode: ensure
  identifier: landing_page
  name: Landing page
  layout_type: layout_2
  zones:
    main: {}
    header: { link: "header_footer/header" }
  references: { landing: layout_id }
```

Related

- All step types
- YAML migration steps

Generated by `./console exp:help:examples` from `settings/migration.ini`, `kernel/classes/migration/steps/expmigrationsteplayout.php`. Do not edit this page: change the source and generate again (how). Free documentation: GFDL 1.3 or later.

Exponential Copyright © 1998-2026 Exponential Foundation and 7x
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".
This documentation is free documentation, licensed under the GNU Free Documentation License 1.3 or later:
https://www.gnu.org/licenses/fdl-1.3.html.