layout_block (migration step)

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

layout_block

Creates, updates, ensures or deletes a block in a zone of a layout of Exponential Layouts, with its parameters.

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

Modes

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

Keys

Key	Type	Modes	Default	What it is
`layout`	`string`	all	required	the identifier of the layout
`zone`	`string`	all	required	the identifier of the zone
`name`	`string`	all	required	the name of the block, by which the step finds it in the zone
`definition`	`string`	create, update, ensure		the block definition (explayouts.ini [BlockDefinition_<identifier>]): title, text, list ...
`view_type`	`string`	create, update, ensure		how the block renders (a new block: default)
`item_view_type`	`string`	create, update, ensure		how the block renders its items
`position`	`int`	create, update, ensure		the place in the zone, from 0 (a new block: after the last)
`parameters`	`map`	create, update, ensure		parameter => value; the others are kept
`publish`	`bool`	create, update, ensure, delete	`true`	true: the layout's draft is published; false: the change stays in the draft

Key	Type	Modes	Default	What it is
`missing`	`string: fail, skip`	all	`"fail"`	what happens when the layout, the zone, the block 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
`block_id`	the id of the block (in the published layout, or in the draft with publish: false)
`layout_id`	the id of the layout it is in
`created`	true when the step created the block
`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_block
  mode: ensure
  layout: landing_page
  zone: main
  name: Welcome
  definition: title
  view_type: title
  parameters: { title: Welcome, tag: h1 }
```

Related

- All step types
- YAML migration steps

Generated by `./console exp:help:examples` from `settings/migration.ini`, `kernel/classes/migration/steps/expmigrationsteplayoutblock.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.