exp:expmigrationdeploy

Source file: doc/eng-us/examples/commands/expmigrationdeploy.md Last changed 2026-11-04
https://doc.exponential.earth/exphelp/viewer/examples/commands/expmigrationdeploy.md

Deploy this installation's migrations to one or many remotes at once, in sync: preflight and verify on all, then switch all, or take all back.

Script `bin/php/expmigrationdeploy.php`, code in `kernel/private/classes/commands/expmigrationdeploy.php`. Run it from the installation root, as the user the web server runs as:

Shell

```
./console exp:expmigrationdeploy --help
./console exp:migration:deploy --help
php bin/php/expmigrationdeploy.php --help
```

Help text

```
Deploy migrations to remotes, all at once and in sync
Sends this installation's migrations (the site's and the active extensions') to the selected remo
tes of
migration.ini ([RemoteSettings] RemoteList[], one [Remote_<id>] each) and runs them there. A pref
light
on every remote in parallel (reachable, run lock free, nothing failed, the same kernel version, n
o file
changed after it was applied) must pass before anything changes; the files go to every remote and
 are
verified there; then every remote applies with one shared run id. When one remote fails, every re
mote
that applied is taken back to its caption, so all of them stay in the same state. Without --apply
 it is
a dry run: the preflight and the plan, nothing is sent or changed.

./console exp:migration:deploy --remotes=stage,production
./console exp:migration:deploy --remotes=production --apply
./console exp:migration:deploy --remotes=all --transfer-only --apply
./console exp:migration:deploy --remotes=beta --only=20261102090000_add_news_class --apply --form
at=json

Staged: --staged puts the remotes in stages by their environment ([RemoteSettings] StageOrder[]);
 the
first stage is switched, then the deploy waits at a gate until --continue=<deploy id> switches th
e
next one. --rollback=<deploy id> takes back every remote that applied a deploy.

./console exp:migration:deploy --remotes=all --staged --apply
./console exp:migration:deploy --continue=20261102-120000-a1b2c3 --apply
./console exp:migration:deploy --rollback=20261102-120000-a1b2c3 --apply
```

Options

Option	Value	Help

Option	Value	Help
`--remotes`	required	The remotes: ids or group names of [RemoteSettings] RemoteList[] in migration.ini, or all (a comma list or repeated)
`--apply`		Make the changes (the default is a dry run that lists them and changes nothing)
`--dry-run`		The default, accepted for scripts that pass it: list what would change, change nothing
`--transfer-only`		Send and verify the migration files, but do not run them (with --apply; the only mode for an FTP remote without a trigger)
`--only`	required	Only these migrations (migration ids, a comma list or repeated)
`--format`	required	text (default) or json (the machine output exp-migration/1)
`--parallel`	required	How many remotes are worked on at the same time (default [RemoteSettings] Parallel)
`--timeout`	required	Seconds each remote may take for one phase (default [RemoteSettings] Timeout)
`--retries`	required	How often a connection failure is tried again (default [RemoteSettings] Retries)
`--staged`		Deploy stage by stage ([RemoteSettings] StageOrder[] by environment): the first stage now, a gate before each next one (with --apply)
`--continue`	required	Approve the gate of a staged deploy and deploy its next stage (the deploy id; with --apply)
`--rollback`	required	Take back every remote that applied this deploy (the deploy id; with --apply)
`--login`	required	Run as this user (default: [RunSettings] RunAsUser of migration.ini)
`--run-id`	required	The id of the run to start (default a new one: <date>-<time>-<6 hex digits>); the administration names it before it starts the run
`--progress`	required	Append the progress of the run to this file, one JSON object per line (what the administration shows while the run goes on)

Read from the option definitions in the code (`startup()`, `getOptions()`, `options()` or `ezcConsoleOption`). Every script also takes the standard options of the script framework (`--help`, `--siteaccess`, `--debug`, `--quiet`, `--allow-root-user` ...).

Related

- All console commands

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