Laravel Artisan

Laravel CLI

Route routes/web.php → dispatches → **Controller** make:controller → uses → **Model** make:model → stored by → **Migration** migrate

CONCEPTS

> Every command has its own help: php artisan help <command>. Add -v to see more detail on failures.

RUN & INSPECT

`php artisan list`
List all commands

`php artisan help <command>`
Show a command's options

`php artisan serve`
Start the PHP dev server

`php artisan serve --host=<ip> --port=<n>`
Serve on another host or port

`php artisan dev`
Server, queue, logs and Vite together

`php artisan tinker`
Open an interactive REPL

`php artisan about`
Overview of app and environment

`php artisan config:show <file>`
Print one config file's values

GENERATE CODE

`php artisan make:model <Name>`
Create a model

`php artisan make:model <Name> -m`
Model plus migration

`php artisan make:model <Name> -mfsc`
Model with migration, factory, seeder, controller

`php artisan make:model <Name> -a`
Model plus every companion class

`php artisan make:controller <Name>`
Create a controller

`php artisan make:controller <Name> --resource`
Controller with CRUD methods

`php artisan make:migration <name>`
Create a migration

`php artisan make:test <Name>`
Create a feature test

DATABASE

`php artisan migrate`
Run pending migrations

DATABASE (cont.)

`php artisan migrate:status`
Show which migrations ran

`php artisan migrate:rollback`
Undo the last batch

`php artisan migrate:fresh`
Drop all tables and re-migrate

`php artisan migrate:fresh --seed`
Rebuild and seed in one go

`php artisan migrate --force`
Run in production without a prompt

`php artisan db:seed`
Run the DatabaseSeeder

`php artisan db:seed --class=<Seeder>`
Run one seeder

ROUTES & CONFIG

`php artisan route:list`
List all routes

`php artisan route:list --path=<prefix>`
Filter routes by path

`php artisan storage:link`
Link public/storage to storage/app/public

CACHE & DEPLOY

`php artisan optimize`
Cache config, events, routes, views

`php artisan optimize:clear`
Remove those caches and the app cache

`php artisan config:cache`
Cache the merged config

`php artisan config:clear`
Drop the cached config

`php artisan route:cache`
Cache route registration

`php artisan view:cache`
Precompile Blade views

`php artisan down`
Enter maintenance mode

`php artisan up`
Leave maintenance mode

QUEUES & SCHEDULE

`php artisan queue:work`
Process queued jobs

`php artisan queue:work --queue=<a>,<b>`
Process queues in priority order

`php artisan queue:work --tries=<n>`
Max attempts per job

QUEUES & SCHEDULE (cont.)

`php artisan queue:restart`
Tell workers to exit after their job

`php artisan queue:failed`
List failed jobs

`php artisan queue:retry all`
Retry every failed job

`php artisan schedule:list`
List scheduled tasks

`php artisan schedule:work`
Run the scheduler locally

`php artisan schedule:run`
Run due tasks (call from cron)

TESTING

`php artisan test`
Run the test suite

`php artisan test --filter=<name>`
Run matching tests only

`php artisan test --parallel`
Run tests in several processes