

Symfony Cheat Sheet



Basic console usage

Command	Description
<code>bin/console</code>	List all available commands
<code>bin/console <namespace></code>	List all available commands in a namespace / bundle
<code>bin/console <command></code>	Run a command
<code>bin/console help <cmd></code>	Display help for a command
<code>bin/console --env=<env></code>	Run the console in a specific environment (dev/test/prod)
<code>bin/console -v vv vvv</code>	Increase output verbosity

Debug commands

Command	Description
<code>debug:autowiring</code>	List all autowireable services
<code>debug:config <bundle></code>	Dump bundle configuration
<code>debug:container</code>	List all public services
<code>debug:container <service></code>	Get information about a service
<code>debug:container --env-vars</code>	Display container env vars
<code>debug:container --tags</code>	List tagged public services
<code>debug:container --tag=<t></code>	List services with a specific tag
<code>debug:dotenv</code>	Display parsed dotenv values
<code>debug:dotenv <search></code>	Display matching dotenv values
<code>debug:event-dispatcher</code>	List all registered event listeners
<code>debug:firewall <name></code>	Display detailed information about a firewall
<code>debug:form</code>	Display form type information
<code>debug:messenger</code>	List dispatchable messages
<code>debug:router</code>	List all registered routes
<code>debug:router <name></code>	Get information about a route
<code>debug:translation <loc></code>	Display messages for locale
<code>router:match <path></code>	Show matching route(s) for a path

Doctrine commands

Command	Description
<code>doctrine:database:create</code>	Create the configured database
<code>doctrine:database:drop</code>	Drop the configured database
<code>doctrine:mapping:info</code>	List mapped entities
<code>doctrine:schema:update --dump-sql</code>	Generate SQL statements to sync the DB schema
<code>doctrine:schema:update --force</code>	Sync the DB schema with the mapping information
<code>doctrine:schema:validate</code>	Validate the mapping files
<code>doctrine:query:sql <sql></code>	Run a SQL query
<code>doctrine:query:dql <dql></code>	Run a DQL query
<code>doctrine:fixtures:load</code>	Load data fixtures to the DB

Doctrine Migrations commands

Command	Description
<code>doc:migrations:generate</code>	Generate an empty migration class
<code>doc:migrations:diff</code>	Generate a migration to sync DB scheme with mapping files
<code>doc:migrations:migrate</code>	Migrate DB to the latest version
<code>doc:migrations:migrate <alias></code>	Migrate DB to the (first/latest/prev/current/next) version
<code>doc:migrations:migrate <FQCN></code>	Migrate DB to a specific version
<code>doc:migrations:up-to-date</code>	Check if the schema is up-to-date

Other commands

Command	Description
<code>assets:install</code>	Install bundle assets
<code>cache:clear</code>	Clear the cache
<code>cache:warmup</code>	Warm up an empty cache

MakerBundle commands

Command	Description
<code>make:auth</code>	Create a Guard authenticator
<code>make:command</code>	Create a new console command
<code>make:controller</code>	Create a new controller class
<code>make:crud</code>	Create CRUD for a Doctrine entity
<code>make:entity</code>	Create a new Doctrine entity class
<code>make:fixtures</code>	Create a Doctrine fixture class
<code>make:form</code>	Create a new form class
<code>make:functional-test</code>	Create a new functional test class
<code>make:message</code>	Create a new message & handler
<code>make:migration</code>	Create a new migration class
<code>make:registration-form</code>	Create a new registration form
<code>make:reset-password</code>	Create password reset
<code>make:security:form-login</code>	Generate a login form
<code>make:serializer:encoder</code>	Create a new serializer encoder
<code>make:serializer:normalizer</code>	Create a new serializer normalizer
<code>make:stimulus-controller</code>	Create a new Stimulus controller
<code>make:subscriber</code>	Create a new event subscriber
<code>make:twig-component</code>	Create a new Twig component
<code>make:twig-extension</code>	Create a new Twig extension
<code>make:unit-test</code>	Create a new unit test class
<code>make:user</code>	Create a new user class
<code>make:validator</code>	Create a new validator
<code>make:voter</code>	Create a new security voter

Bash console autocompletion

```
bin/console completion bash | sudo tee /etc/bash_completion.d/console
```

Form types

See <https://symfony.com/doc/current/reference/forms/types.html>.

Type	Description
TextType	A text (single line text) field
TextareaType	A multi-line text field
EmailType	An email field
IntegerType	A number field for integers
MoneyType	A money field, with a specifiable currency
NumberType	A number field
PasswordType	A password field
PercentType	A number field for percentages
SearchType	A search field
UrlType	A URL field
RangeType	A range input field (slider)
TelType	A tel (phone number) input field
CheckboxType	A single checkbox field
FileType	A file upload field
RadioType	A radio button field
HiddenType	A hidden field

Choice form types

Type	Description
ChoiceType	Field for selecting one or more options (rendered as dropdown, radio buttons, or checkboxes)
EnumType	Choose from PHP enum cases
EntityType	Choose from a Doctrine entity
CountryType	Choose a country
LanguageType	Choose a language
LocaleType	Choose a locale
TimezoneType	Choose a timezone
CurrencyType	Choose a currency

Date and time form types

Type	Description
DateType	A date field
DateIntervalType	A date interval field
DateTimeType	A date and time field
TimeType	A time field
BirthdaysType	A date field for birthdays
WeekType	Select a year and week

Validation constraints

See <https://symfony.com/doc/current/reference/constraints.html>.

Usage:

use `Symfony\Component\Validator\Constraints` as `Assert`;

```
class User
{
    #[Assert\NotBlank]
    private string $name;
}
```

Basic validation constraints

Constraint	Description
NotBlank	Value is not null, not an empty string, not 0, etc.
NotNull	Value is not strictly equal to null
Type(<type>)	Value is of a specific type
[Not]EqualTo	(Not) equal to another value
[Not]IdenticalTo	(Not) identical to another value
LessThan[0rEqual]	Less than (or equal to)
GreaterThan[0rEqual]	Greater than (or equal to)
Positive[0rZero]	Positive (or zero)
Negative[0rZero]	Negative (or zero)
Range	Between a minimum and maximum value

String validation constraints

Constraint	Description
Length(<min>, <max>)	String is between <min> and <max> characters long
Email	String is a valid email address
Url	String is a valid URL
Hostname	String is a valid hostname
Ip	String is a valid IP address
UserPassword	String is the user's password
NotCompromisedPassword	String is not found in any data breaches
PasswordStrength	Password has a enough entropy
NoSuspiciousCharacters	String does not contain spoofing characters
Uuid	String is a valid UUID
CssColor	String is a valid CSS color

Financial / Number constraints

Constraint	Description
Bic	Valid Business Identifier Code
CardScheme	Valid credit card number
Currency	Valid 3-letter ISO 4217 currency
Luhn	Passes the Luhn algorithm
Iban	Valid IBAN
Isbn	Valid ISBN

Twig functions

Function	Description
asset(path)	Get the public path of an asset
is_granted(role, [object])	Check if access is allowed
path(route, [params])	Return relative URL for a route
url(route, [params])	Return absolute URL for a route
absolute_url(path)	Return absolute URL for a path

Form related Twig functions

Function	Description
<code>form(form, options)</code>	Render a complete form
<code>form_start(form)</code>	Render the opening <code><form></code> tag
<code>form_end(form)</code>	Render the closing <code></form></code> tag
<code>form_row(form)</code>	Render a form row
<code>form_widget(form)</code>	Render a form widget

Symfony Attributes

Attribute	Description
<code>#[AsCommand]</code>	Register class as a console command
<code>#[AsController]</code>	Register class as a controller
<code>#[AsMessageHandler]</code>	Register class as a message handler
<code>#[AsEventListener]</code>	Register class as an event listener
<code>#[Route]</code>	Define a route for a method
<code>#[IsGranted]</code>	Require a role to access

Symfony Flex commands

Command	Description
<code>composer symfony:dump-env <env></code>	Compile <code>.env</code> files to <code>.env.local.php</code>
<code>composer symfony:recipes</code>	List available recipes
<code>symfony:recipes:install</code>	(Re)install recipes for packages
<code>symfony:recipes:update</code>	Update installed recipes

Symfony CLI installation

```
wget https://get.symfony.com/cli/installer -O - | bash
```

Symfony CLI basic commands

Command	Description
<code>symfony check:requirements</code>	Check requirements for running Symfony
<code>symfony version</code>	Display the Symfony CLI version
<code>symfony help</code>	Display all available commands
<code>symfony help <command></code>	Display help for a specific command

Creating a new Symfony project

Command	Description
<code>symfony new <directory></code>	Create a new Symfony project
<code>symfony new --version=<v></code>	Specify the skeleton version (lts/stable/next/previous)
<code>symfony new --webapp <directory></code>	Create a new Symfony web application
<code>symfony new --demo <dir></code>	Install the Symfony demo application

Symfony Local Web Server

Command	Description
<code>symfony server:start</code>	Run a local web server
<code>symfony server:start -d</code>	Run the server in the background
<code>symfony server:status</code>	Display local web server status
<code>symfony open:local</code>	Open the local project in a browser
<code>symfony server:log</code>	Display local web server logs
<code>symfony server:stop</code>	Stop the local web server
<code>symfony server:ca:install</code>	Create a local Certificate Authority for serving HTTPS

Local Proxy

Command	Description
<code>symfony proxy:start</code>	Run a local proxy server
<code>symfony proxy:domain:attach <domain></code>	Attach a domain to the local proxy
<code>symfony proxy:domain:detach <domain></code>	Detach domains from the proxy
<code>symfony proxy:status</code>	Get the status of the proxy
<code>symfony proxy:stop</code>	Stop the local proxy server

PHP version switching & wrappers

Command	Description
<code>symfony local:php:list</code>	List locally available PHP versions
<code>symfony local:php:refresh</code>	Refresh the list of locally available PHP versions
<code>echo 8.2 > .php-version</code>	Set project PHP version to 8.2
<code>symfony php -v</code>	Display the selected PHP version
<code>symfony php <command></code>	Run a command with the selected PHP version
<code>symfony composer <command></code>	Run a Composer command with the selected PHP version
<code>symfony console <command></code>	Run a Symfony console command with the selected PHP version