Routing

Creating beautiful URLs!

Fastest PHP router available!

Symfony 4.1

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a route is a map from a URL path to a controller

e.g. matched routes:

```
/articles/en/2000/my-post
/articles/fr/2000/my-post.rss
/articles/en/2017/latest-post.html
```

internal route name

routes can be definied in config files (YAML, XML, PHP) or in controllers (annotations)

{placeholders}

```
# config/routes.yaml
article_show:
    path:        /articles/{_locale}/{year}/{slug}.{_format}
    host:        "{subdomain}.example.com"
    controller:  App\Controller\ArticleController::show
    defaults:
        _format: html
        subdomain: '%subdomain%'
    requirements:
        _locale:   en|fr
        _format:   html|rss
        year:      \d+
    methods:     [GET, HEAD]
```

match a route based on the host

which controller is executed

giving {placeholders} a default value

defining requirements to {placeholders}

If no methods are specified, the route will match on all methods

the matched value becomes the "request format" of the Request object

you can use service parameters if you do not want to hardcode the value of the {placeholder}

regexp to accept only numbers

each routing parameter or default value is available as an argument in the controller method

Earlier routes always win! The order of the routes is important!

Redirects

Defining 301, 302, 307, and 308 redirects:

```
route_301:
    # ...
    defaults:
        # ...
        permanent: true

route_302:
    # ...
    defaults:
        # ...
        permanent: false

route_307:
    # ...
    defaults:
        # ...
        permanent: false
        keepRequestMethod: true

route_308:
    # ...
    defaults:
        # ...
        permanent: true
        keepRequestMethod: true
```

Inlined Configuration

for simple conditions

you can inline the route requirements and default values in the {placeholders}.

```
blog_list:
    # no requirements and no default value
    path: /blog/{page}
    # with requirements but no default value
    path: /blog/{page<\d+>}
    # no requirements but with a default value
    path: /blog/{page?1}
    # no requirements but with default value = null
    path: /blog/{page?}
    # with requirements and default value = null
    path: /blog/{page<.*>?}
```

Imported Routes

```
# config/routes.yaml
app_hello:
    resource: '@ThirdPartyBundle/Resources/config/routing.yaml'
    host:     "hello.example.com"
    prefix:   /admin
```

Add prefix to routes

prefix can be i18n

```
prefix:
    en: '/site'
    es: '/sitio'
```

Trailing Slash

Symfony redirect (301 redirect) between URLs with and without trailing slashes in both ways (but only for GET and HEAD requests).

Console

```
$ php bin/console debug:router
```
visualize and get detailed information about all configured routes

```
$ php bin/console debug:router article_show
```
visualize and get information of a single route

```
$ php bin/console router:match /blog/my-latest-post
```
test whether a URL matches a given route

Special Routing Parameters

_controller   determine which controller is executed when the route is matched.

_format   set the request format.

_fragment   set the fragment identifier, the optional last part of a URL that starts with a # character and is used to identify a portion of a document.

_locale   set the locale on the request.

i18n Routes

```
contact:
    controller: App\Controller\ContactController::send
    path:
        en: /send-us-an-email
        nl: /stuur-ons-een-email
```