# Routing Component

The Routing component maps an HTTP request to a set of configuration variables.

## Getting Started

composer require symfony/routing

use App\Controller\BlogController;

use Symfony\Component\Routing\Generator\UrlGenerator;

use Symfony\Component\Routing\Matcher\UrlMatcher;

use Symfony\Component\Routing\RequestContext;

use Symfony\Component\Routing\Route;

use Symfony\Component\Routing\RouteCollection;

$route = new Route('/blog/{slug}', ['\_controller' => BlogController::class]);

$routes = new RouteCollection();

$routes->add('blog\_show', $route);

$context = new RequestContext();

// Routing can match routes with incoming requests

$matcher = new UrlMatcher($routes, $context);

$parameters = $matcher->match('/blog/lorem-ipsum');

// $parameters = [

// '\_controller' => 'App\Controller\BlogController',

// 'slug' => 'lorem-ipsum',

// '\_route' => 'blog\_show'

// ]

// Routing can also generate URLs for a given route

$generator = new UrlGenerator($routes, $context);

$url = $generator->generate('blog\_show', [

'slug' => 'my-blog-post',

]);

// $url = '/blog/my-blog-post'

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## Resources

* [Documentation](https://symfony.com/doc/current/routing.html)
* [Contributing](https://symfony.com/doc/current/contributing/index.html)
* [Report issues](https://github.com/symfony/symfony/issues) and [send Pull Requests](https://github.com/symfony/symfony/pulls) in the [main Symfony repository](https://github.com/symfony/symfony)