# Symfony

## microframework

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# Apie mane

- Su PHP draugauju nuo ~2001
- Su Symfony2 nuo 2010-12 (RC1)
- Dirbu @ISIGN.io ir @Estina.lt

# Micro karkasas

- Mažas
- Lengvas
- Nedideliam projektui

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# Silex

- composer require silex/silex:~1.3

```php
require_once __DIR__.'/../vendor/autoload.php';
$app = new Silex\Application();
$app->get('/hello/{name}', function($name) use($app) {
        return 'Hello '.$app->escape($name);
});
$app->run();
```

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# Projekto poreikiai

- Poreikiai:
  - Request/response
  - Dbal
  - Form
  - Console
  - Translation

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# Mano Silex projektas – pradžia

```
"require": {
  "silex/silex"        : "~1.0",
  "symfony/yaml"       : "~2.6",
  "symfony/config"     : "~2.6",
  "symfony/translation" : "~2.6"
}
```

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# Mano Silex projektas - procesas

```
"require": {
  "silex/silex"                       : "~1.0",
  "symfony/yaml"                      : "~2.6",
  "symfony/config"                    : "~2.6",
  "symfony/translation"              : "~2.6",

  "knplabs/console-service-provider": "^1.0",
  "webtopay/libwebtopay"             : "1.6",
  "jasongrimes/silex-simpleuser"     : "~1.0",
  "cardinity/cardinity-sdk-php"      : "^1.0",
  "tecnick.com/tcpdf"                : "^6.2"
}
```

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# Mano Silex projektas - pabaiga

```
▼ app
  ▼ Resources
    ▶ icons
    ▶ payment-icons
    ▶ sass
    ▶ templates
    bootstrap.php
    bootstrap_console.php
    config.php
    config.php.dist
    console.php
▶ logs
▶ node_modules
▼ src
  ▶ Command
  ▼ Manager
    UserManager.php
  ▼ Model
    Order.php
    User.php
  ▼ Service
    Message.php
    MokejimaiLt.php
    Order.php
    Reader.php
  ▶ views
▶ uploads
▶ vendor
▶ web
  .bowerrc
  .gitignore
  bower.json
  composer.json
  composer.lock
  Gruntfile.js
  makefile
  package.json
```

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# O gal?

# Symfony problemos

- Didelis?
- Lėtas?
- Sudėtingas?

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# Symfony minimaliai

## Packing a Symfony full-stack Framework Application in one File -- Bootstrapping

### Fabien Potencier

June 18, 2013

This article is part of a series of articles that explains how to pack a Symfony full-stack application in one file. The first article explains why this might actually be useful: 1) Introduction, 2) Bootstrapping, ...

# Symfony 2.8+ MicroKernelTrait

```php
<?php
/*...*/

namespace Symfony\Bundle\FrameworkBundle\Kernel;

use Symfony\Component\Config\Loader\LoaderInterface;
use Symfony\Component\DependencyInjection\ContainerBuilder;
use Symfony\Component\Routing\RouteCollectionBuilder;

/** A Kernel that provides configuration hooks. ...*/
trait MicroKernelTrait
{
    /** Add or import routes into your application. ...*/
    abstract protected function configureRoutes(RouteCollectionBuilder $routes);

    /** Configures the container. ...*/
    abstract protected function configureContainer(ContainerBuilder $c, LoaderInterface $loader);

    /** {@inheritdoc} ...*/
    public function registerContainerConfiguration(LoaderInterface $loader)
    {
        $loader->load(function (ContainerBuilder $container) use ($loader) {
            $container->loadFromExtension('framework', array(
                'router' => array(
                    'resource' => 'kernel:loadRoutes',
                    'type' => 'service',
                ),
            ));

            $this->configureContainer($container, $loader);

            $container->addObjectResource($this);
        });
    }

    /** @internal ...*/
    public function loadRoutes(LoaderInterface $loader)
    {
        $routes = new RouteCollectionBuilder($loader);
        $this->configureRoutes($routes);

        return $routes->build();
    }
}
```

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# Micro?

# Symfony.lt

```json
{
    "name": "podolskis/sf-micro",
    "type": "app",
    "description": "Symfony 2.8 micro kernel example",
    "authors": [
        {
            "name": "Paulius Podolskis",
            "email": "paulius@podolskis.com"
        }
    ],
    "require": {
        "symfony/framework-bundle": "~2.8"
    },
    "autoload": {
        "psr-4": {
            "": "src/"
        },
        "classmap": [
            "app/MicroKernel.php"
        ]
    }
}
```

# Pabandom?
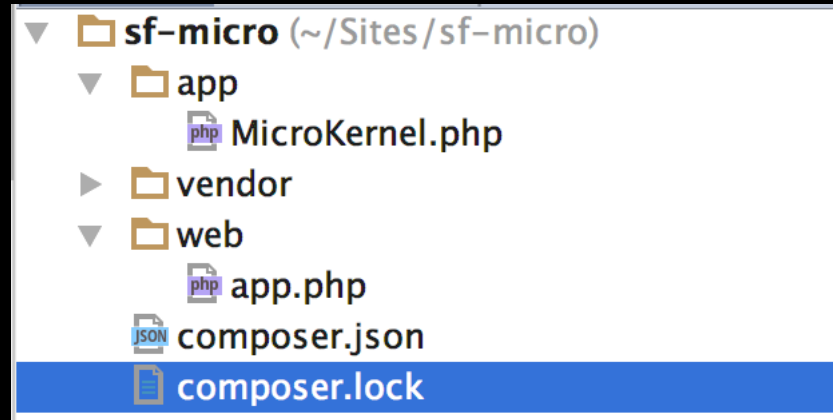


```php
<?php

use Symfony\Component\HttpFoundation\Request;

$loader = require __DIR__.'/../vendor/autoload.php';
require_once __DIR__.'/../app/MicroKernel.php';

$app = new MicroKernel('dev', true);
$app->loadClassCache();

$app->handle(Request::createFromGlobals())->send();
```

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# MicroKernel.php

```php
<?php
// app/MicroKernel.php

use Symfony\Bundle\FrameworkBundle\Kernel\MicroKernelTrait;
use Symfony\Component\Config\Loader\LoaderInterface;
use Symfony\Component\DependencyInjection\ContainerBuilder;
use Symfony\Component\HttpKernel\Kernel;
use Symfony\Component\Routing\RouteCollectionBuilder;

class MicroKernel extends Kernel
{
    use MicroKernelTrait;

    public function registerBundles()
    {
        $bundles = array(
            new Symfony\Bundle\FrameworkBundle\FrameworkBundle(),
            new Symfony\Bundle\TwigBundle\TwigBundle(),

            new Estina\Bundle\HomeBundle\EstinaHomeBundle(),
        );

        if (in_array($this->getEnvironment(), array('dev', 'test'), true)) {
            $bundles[] = new Symfony\Bundle\WebProfilerBundle\WebProfilerBundle();
        }

        return $bundles;
    }

    protected function configureRoutes(RouteCollectionBuilder $routes)
    {
        if (in_array($this->getEnvironment(), array('dev', 'test'), true)) {
            $routes->mount('/_wdt', $routes->import('@WebProfilerBundle/Resources/config/routing/wdt.xml'));
            $routes->mount('/_profiler', $routes->import('@WebProfilerBundle/Resources/config/routing/profiler.xml'));
        }
        $routes->add('/', 'EstinaHomeBundle:Default:index', 'home');
    }

    protected function configureContainer(ContainerBuilder $c, LoaderInterface $loader)
    {
        // load bundles' configuration
        $c->loadFromExtension('framework', [
            'secret' => '12345678',
            'profiler' => null,
            'templating' => ['engines' => ['twig']],
        ]);
```
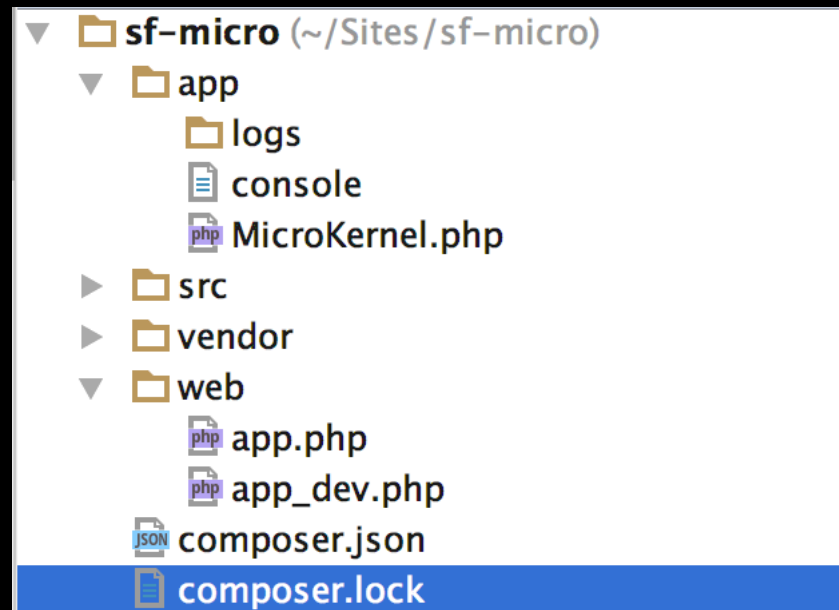
# Struktūra

# Symfony standard edition

```json
"require": {
    "php"                                  : ">=5.5.9",
    "symfony/symfony"                      : "3.1.*@dev",
    "doctrine/orm"                         : "^2.5",
    "doctrine/doctrine-bundle"             : "^1.6",
    "doctrine/doctrine-cache-bundle"       : "^1.2",
    "symfony/swiftmailer-bundle"           : "^2.3",
    "symfony/monolog-bundle"               : "^2.8",
    "sensio/distribution-bundle"           : "^5.0",
    "sensio/framework-extra-bundle"        : "^3.0.2",
    "incenteev/composer-parameter-handler" : "^2.0"
}
```

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# Symfony/Symfony

```json
"require": {
    "php"                        : ">=5.5.9",
    "doctrine/common"            : "~2.4",
    "twig/twig"                  : "~1.23|~2.0",
    "psr/cache"                  : "~1.0",
    "psr/log"                    : "~1.0",
    "symfony/polyfill-apcu"      : "~1.0,>=1.0.2",
    "symfony/polyfill-intl-icu"  : "~1.0",
    "symfony/polyfill-mbstring”  : "~1.0",
    "symfony/polyfill-php56"     : "~1.0",
    "symfony/polyfill-php70"     : "~1.0",
    "symfony/polyfill-util"      : "~1.0"
}
```

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# Symfony/symfony Components

- "symfony/asset"
- "symfony/browser-kit"
- "symfony/cache"
- "symfony/class-loader"
- "symfony/config"
- "symfony/console"
- "symfony/css-selector"
- "symfony/dependency-injection"
- "symfony/debug"
- "symfony/debug-bundle"
- "symfony/doctrine-bridge"
- "symfony/dom-crawler"
- "symfony/event-dispatcher"
- "symfony/expression-language"
- "symfony/filesystem"
- "symfony/finder"
- "symfony/form"
- "symfony/http-foundation"
- "symfony/http-kernel"
- "symfony/intl"
- "symfony/ldap"
- "symfony/monolog-bridge"
- "symfony/options-resolver"
- "symfony/process"

- "symfony/property-access"
- "symfony/property-info"
- "symfony/proxy-manager-bridge"
- "symfony/routing"
- "symfony/security"
- "symfony/security-core"
- "symfony/security-csrf"
- "symfony/security-guard"
- "symfony/security-http"
- "symfony/security-bundle"
- "symfony/serializer"
- "symfony/stopwatch"
- "symfony/templating"
- "symfony/translation"
- "symfony/twig-bridge"
- "symfony/twig-bundle"
- "symfony/validator"
- "symfony/var-dumper"
- "symfony/yaml"
- "symfony/framework-bundle"
- "symfony/web-profiler-bundle"

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# Symfony.lt micro

```
require: {

 "symfony/framework-bundle": "~2.8",
  "symfony/twig-bundle": "~2.8",
  "symfony/process": "~2.8",
  "symfony/console": "~2.8",
  "symfony/yaml": "~2.8",
  "twig/extensions": "~1.0",
  "symfony/monolog-bundle": "^2.8"
}
```

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# Daug aplikacijų

```php
use Symfony\Component\HttpFoundation\Request;
$loader = require __DIR__.'/../vendor/autoload.php';

$request = Request::createFromGlobals();

if (strpos($request->getPathInfo(), '/api') === 0) {
    require __DIR__.'/../app/ApiKernel.php';
    $kernel = new ApiKernel('dev', true);
} else {
    require __DIR__.'/../app/AppKernel.php';
    $kernel = new AppKernel('dev', true);
}

$response = $kernel->handle($request);
$response->send();
```

# Išvados

# Klausimai?