

Работа с MODX из IDE без админки

<?php

class AppPackage

{

/** @var modX \$modx */

public \$modx;

/** @var array \$config */

public \$config = [];

/** @var modPackageBuilder \$builder */

public \$builder;

protected \$_idx = 1;

const name = 'App';

const name_lower = 'app';

const version = '0.0';

const release = '1.0';

/**

* AppPackage constructor.

*

* @param \$core_path

* @param array \$config

*/

public function __construct(\$core_path, array \$config = [])

{

/** @noinspection PhpIncludeInspection */

require \$core_path . 'model/modx/modx.class.php';

/** @var modX \$modx */

\$this->modx = new modX();

\$this->modx->initialize('mgr');

\$this->modx->getService('error', 'error.modError');

\$root = dirname(dirname(__FILE__)) . '/';

\$assets = \$root . 'assets/components/' . \$this::name_lower . '/';

\$core = \$root . 'core/components/' . \$this::name_lower . '/';

\$this->config = array_merge([

'log_level' => modX::LOG_LEVEL_INFO,

Project

App ~/Projects/App

_build

assets

elements

resolvers

build.php

gulpfile.js

package.json

assets

core

components

app

docs

elements

chunks

plugins

resources

snippets

templates

base.tpl

lexicon

model

processors

.gitignore

README.md

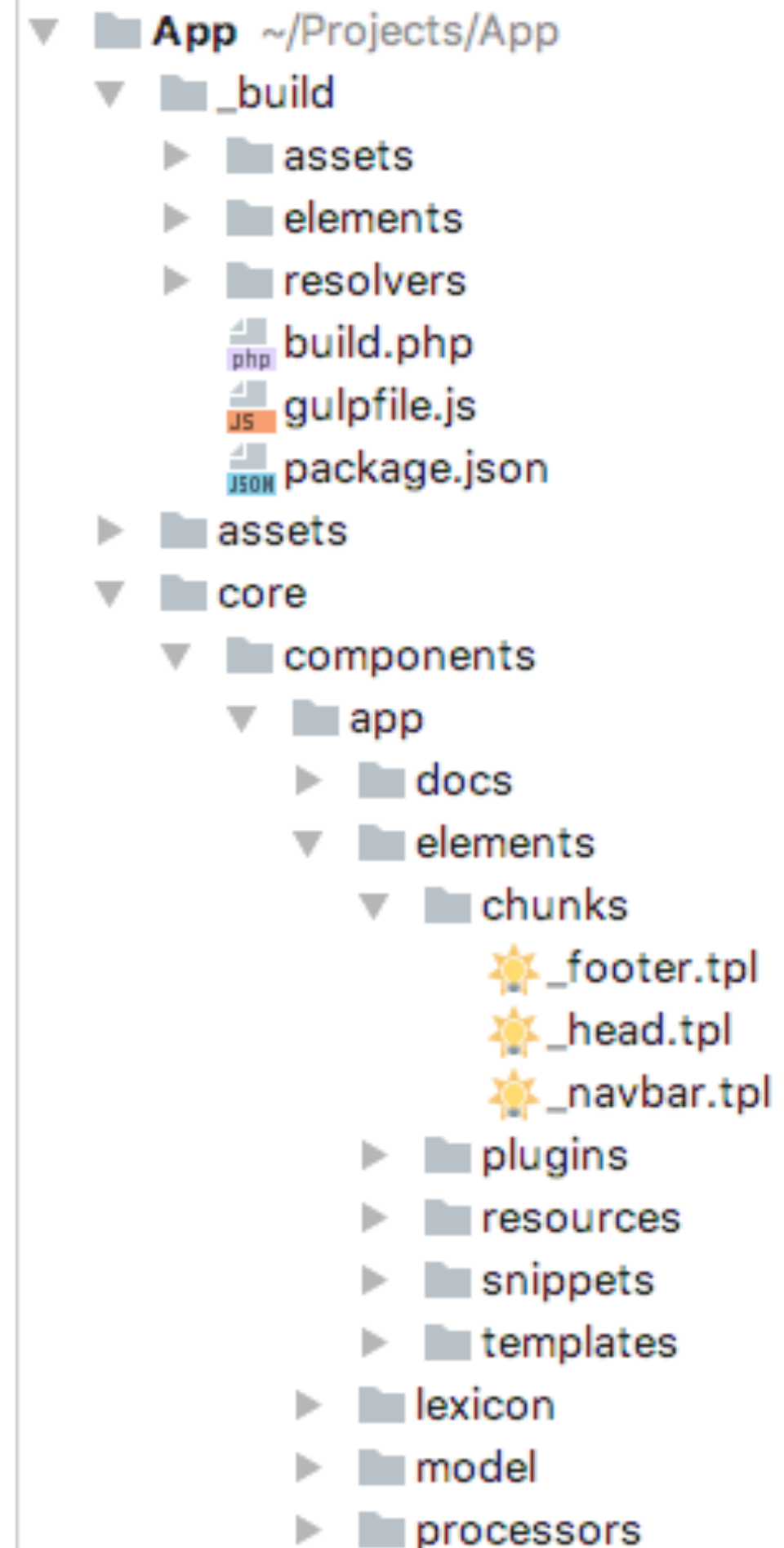
rename_it.php

External Libraries

Для разработки используется свой транспортный пакет **App**, который:

- Устанавливает pdoTools
- Устанавливает и обновляет нужные шаблоны, сниппеты, чанки и ресурсы
- Добавляет\изменяет системные настройки
- Копирует и обновляет скрипты, изображения и стили
- Позволяет разрабатывать сайт из IDE

<https://github.com/bezumkin/App>



Установка

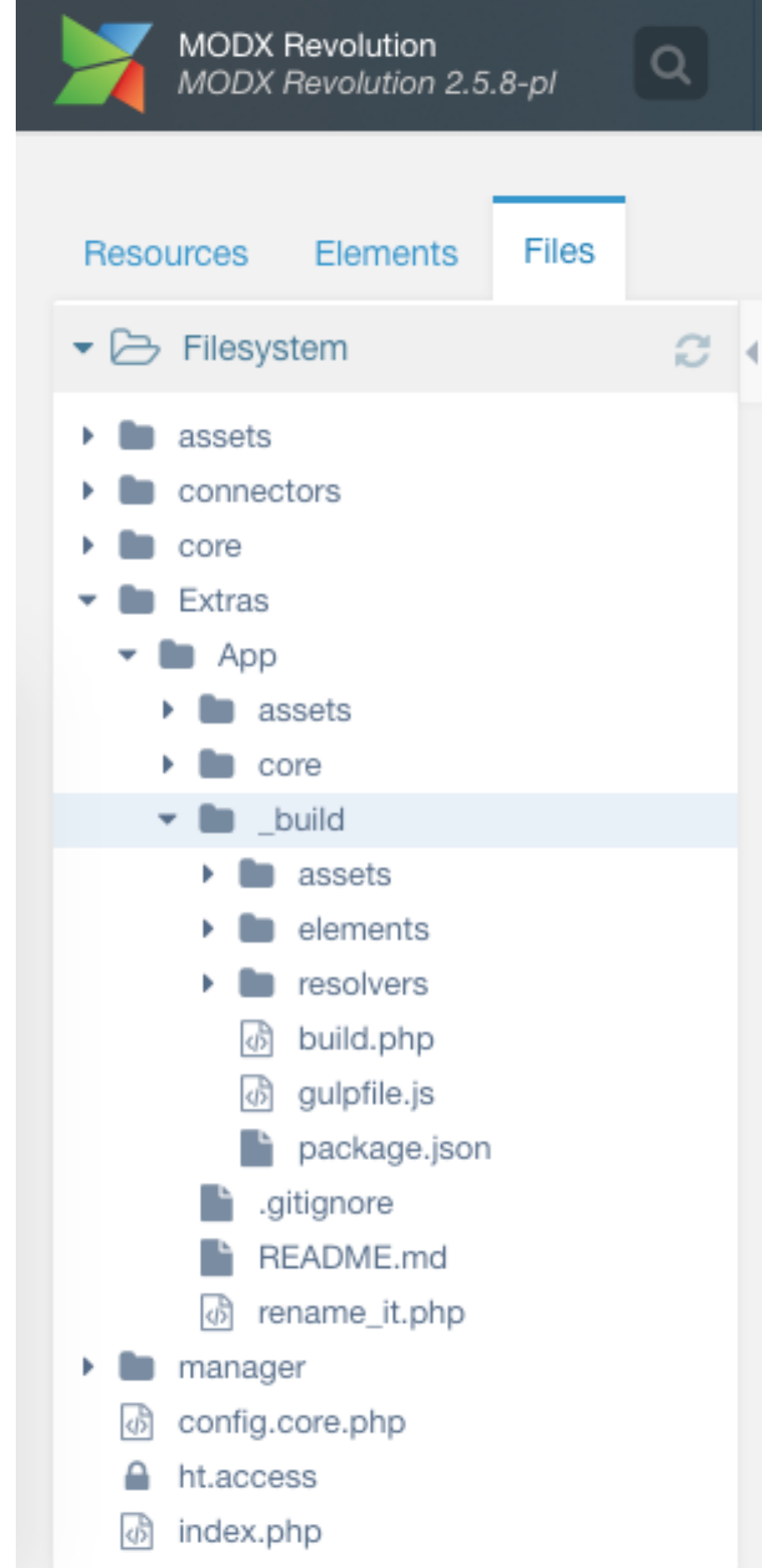
- Нужно скачать файлы из <https://github.com/bezumkin/App>
- Выгрузить на сервер, в директорию Extras, в корне сайта
- Зайти в терминал через SSH
- Запустить `php ~/www/Extras/App/_build/build.php`

```
s11000@r0:~$ php ~/www/Extras/App/_build/build.php
[2017-11-09 08:47:30] (INFO @ /home/s11000/www/core/model/modx/transport/modpackagebuilder.class.php : 140) Created new transport package with signature: app-1.0.0-pl
[2017-11-09 08:47:30] (INFO @ /home/s11000/www/core/model/modx/transport/modpackagebuilder.class.php : 211) Registered package namespace as: app
[2017-11-09 08:47:30] (INFO @ /home/s11000/www/core/model/modx/transport/modpackagebuilder.class.php : 231) Packaged namespace "app" into package.
[2017-11-09 08:47:30] (INFO @ /home/s11000/www/Extras/App/_build/build.php : 68) Created Transport Package and Namespace.
npm WARN prefer global node-gyp@3.6.2 should be installed with -g
[2017-11-09 08:47:30] (ERROR @ /home/s11000/www/core/xpdo/am/xpdogenerator.class.php : 449) Schema /home/s11000/www/Extras/App/core/components/app/model/schema/app.mysql.sche
[2017-11-09 08:47:30] (INFO @ /home/s11000/www/Extras/App/_build/build.php : 96) Model updated
[2017-11-09 08:47:30] (INFO @ /home/s11000/www/Extras/App/_build/build.php : 107) Trying to install or update nodejs dependencies
[2017-11-09 08:47:45] (INFO @ /home/s11000/www/Extras/App/_build/build.php : 113) > node-sass@4.6.0 install /home/s11000/www/Extras/App/_build/node_modules/node-sass
> node scripts/install.js

Cached binary found at /home/s11000/.npm/node-sass/4.6.0/linux-x64-51_binding.node

> node-sass@4.6.0 postinstall /home/s11000/www/Extras/App/_build/node_modules/node-sass
> node scripts/build.js

Binary found at /home/s11000/www/Extras/App/_build/node_modules/node-sass/vendor/linux-x64-51_binding.node
```



Name: s11000@h9.modhost.pro

Connection Mappings Excluded Paths

☒ Visible only for this project

Type: SFTP

Project files are deployed to a remote host via SFTP

Upload/download project files

SFTP host: h9.modhost.pro

Port: 22

Root path: /home/s11000/www/

User name: s11000

Auth type: Password

Password: ●●●●●●●●●●●●●●●●

Advanced options...

Browse files on server

Web server root URL: http://s11000.h9.modhost.pro/

Name: s11000@h9.modhost.pro

Connection Mappings Excluded Paths

Use this server as default

Local path:

/Users/bezumkin/Projects/App

Deployment path on server 's11000@h9.modhost.pro':

/Extras/App

Web path on server 's11000@h9.modhost.pro':

/Extras/App

Project URL: <http://s11000.h9.modhost.pro/Extras/App>

Add another mapping

Как работает?

Скрипт сборки грузит элементы для установки из `_build/elements1`. По умолчанию там:

- `plugins.php`
- `resources.php`
- `settings.php`
- `templates.php`

¹ Файлы, которые начинаются с подчёркивания, пропускаются

_build/elements/plugins.php

```
return [  
    'App' => [  
        'file' => 'app',  
        'description' => '',  
        'events' => [  
            'OnMODXInit' => [],  
            'OnHandleRequest' => [],  
            'pdoToolsOnFenomInit' => [],  
        ],  
    ],  
];
```

_build/elements/resources.php

```
return [  
    'web' => [  
        'index' => [  
            'pagetitle' => 'Home',  
            'template' => 1,  
            'hidemenu' => false,  
        ],  
        'service' => [  
            'pagetitle' => 'Service',  
            'template' => 0,  
            'hidemenu' => true,  
            'published' => false,  
            'resources' => [  
                '404' => [  
                    'pagetitle' => '404',  
                    'template' => 1,  
                    'hidemenu' => true,  
                    'uri' => '404',  
                    'uri_override' => true,  
                ],  
            ],  
        ],  
        ...  
    ],  
];
```

_build/elements/settings.php

```
return [  
    'friendly_urls' => [  
        'key' => 'friendly_urls',  
        'xtype' => 'combo-boolean',  
        'value' => true,  
        'area' => 'furls',  
        'namespace' => 'core',  
    ],  
    'pdotools_elements_path' => [  
        'key' => 'pdotools_elements_path',  
        'xtype' => 'textfield',  
        'value' => '{core_path}components/app/elements/',  
        'area' => 'pdotools_main',  
        'namespace' => 'pdotools',  
    ],  
    'fenom_parser' => [  
        'key' => 'pdotools_fenom_parser',  
        'xtype' => 'combo-boolean',  
        'value' => true,  
        'area' => 'pdotools_main',  
        'namespace' => 'pdotools',  
    ],  
];
```

_build/elements/templates.php

```
<?php
```

```
return [  
    'BaseTemplate' => [  
        'file' => 'base',  
        'description' => 'Base template',  
    ],  
];
```

```

/**
 * Add templates
 */
protected function templates()
{
    /** @noinspection PhpIncludeInspection */
    $templates = include($this->config['elements'] . 'templates.php');
    if (!is_array($templates)) {
        $this->modx->log(modX::LOG_LEVEL_ERROR, 'Could not package in templates');

        return;
    }

    $attributes = [
        xPDOTransport::UNIQUE_KEY => 'templatename',
        xPDOTransport::PRESERVE_KEYS => false,
        xPDOTransport::UPDATE_OBJECT => true,
        xPDOTransport::RELATED_OBJECTS => false,
    ];

    foreach ($templates as $name => $data) {
        /** @var modTemplate $template */
        $template = $this->modx->newObject('modTemplate');
        $template->fromArray([
            'templatename' => $name,
            'description' => $data['description'],
            'content' => file_exists($this->config['core'] . "elements/templates/{$data['file']}.tpl")
                ? "{include 'file:templates/{$data['file']}.tpl'}"
                : '',
        ], '', true, true);
        $vehicle = $this->builder->createVehicle($template, $attributes);
        $this->builder->putVehicle($vehicle);
    }
    $this->modx->log(modX::LOG_LEVEL_INFO, 'Packaged in ' . count($templates) . ' templates');
}

```

Ресолверы

После установки запускаются ресолверы. Это php скрипты, которые могут решать любые задачи:

- `content_types.php` - убирает `.html` у ресурсов
- `settings.php` - прописывает настройки у контекстов
- `setup.php` - устанавливает `pdoTools`
- `symlinks.php` - делает симлинки на установленные файлы

Внимание!

Ресолверы загружаются из `_build/resolvers/`¹ и могут делать всё, что угодно, после установки пакета.



Вы можете заменить все рутинные действия в админке своими ресолверами.

¹ Файлы, которые начинаются с подчёркивания, пропускаются

```
<?php
/** @var xPDOTransport $transport */
/** @var array $options */
/** @var modX $modx */
if ($transport->xpdo) {
    $modx =& $transport->xpdo;

    $ctx_settings = [
        'site_start' => 'index',
        'error_page' => '404',
        'service_id' => 'service',
        //'unauthorized_page' => '401',
    ];

    switch ($options[xPDOTransport::PACKAGE_ACTION]) {
        case xPDOTransport::ACTION_INSTALL:
        case xPDOTransport::ACTION_UPGRADE:
            $contexts = $modx->getIterator('modContext', ['key:!=' => 'mgr']);
            /** @var modContext $context */
            foreach ($contexts as $context) {
                foreach ($ctx_settings as $setting_key => $uri) {
                    $tmp = $modx->getObject('modResource', ['context_key' => $context->key]);
                    if ($tmp) {
                        $setting_key = ['context_key' => $context->key, 'key' => $setting_key];
                        if (!$tmp2 = $modx->getObject('modContextSetting', $setting_key)) {
                            $tmp2 = $modx->newObject('modContextSetting');
                            $tmp2->fromArray($setting_key, '', true, true);
                        }
                        $tmp2->set('value', $tmp->get('id'));
                        $tmp2->save();
                    }
                }
            }
            break;
    }

    return true;
}
```

Hello, !

This is a template for a simple marketing or informational website. It includes a large callout called a jumbotron and three supporting pieces of content. Use it as a starting point to create something more unique.

Learn more »

Фронтенд

Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.

View details »

Heading

Donec id elit non mi porta gravida at eget metus. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus. Etiam porta sem malesuada magna mollis euismod. Donec sed odio dui.

View details »

Heading

Donec sed odio dui. Cras justo odio, dapibus ac facilisis in, egestas eget quam. Vestibulum id ligula porta felis euismod semper. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus.

View details »

```
cd ~/www/Extras/App/_build/
```

- Исходники лежат в `_build/assets/`
- Зависимости устанавливаются через `npm install`²
- Копирование в проект `gulp copy`
- Сборка через `gulp default`
- Рабочий режим `gulp watch`

² По умолчанию используются **Bootstrap 4**, **FontAwesome** и **RequireJS**

Выставление CSRF токена и версии файлов

```
{(' <meta name="csrf-token" content="' ~ $.session['csrf-token'] ~ '">') | htmlToHead}  
{(' <meta name="assets-version" content="' ~ $.assets_version ~ '">') | htmlToHead}
```

Скрипты и стили в шапке

```
{var $assets = ('assets_url' | config) ~ 'components/app/'}  
{($assets ~ 'css/web/main.css?v=' ~ $.assets_version) | cssToHead}  
{($assets ~ 'js/web/lib/require.min.js?v=' ~ $.assets_version) | jsToHead : false}  
{($assets ~ 'js/web/config.js?v=' ~ $.assets_version) | jsToHead : false}
```

Скрипты в подвале

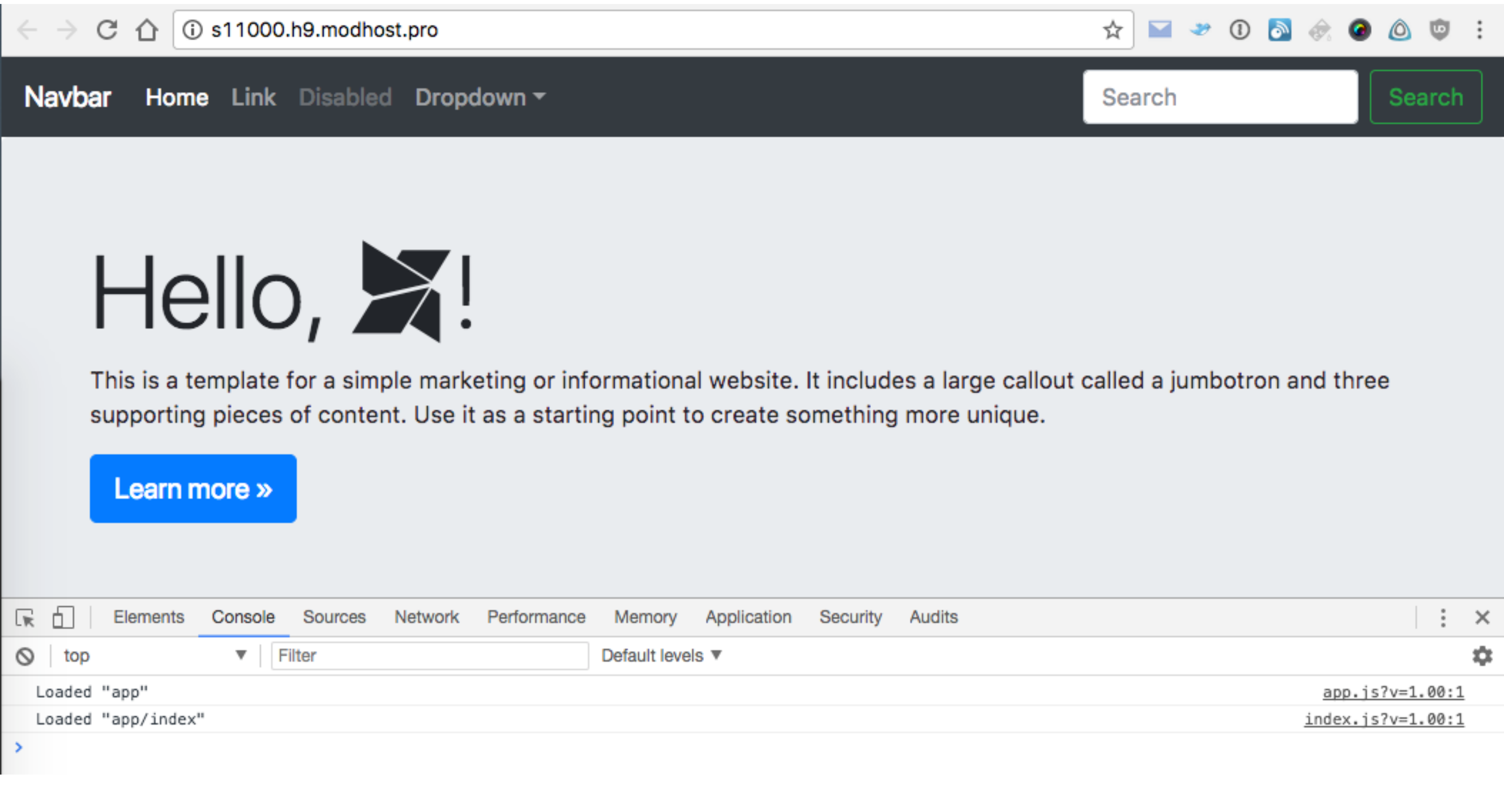
```
{' <script type="text/javascript">requirejs(["app", "app/index"]);</script>' | htmlToBottom }
```

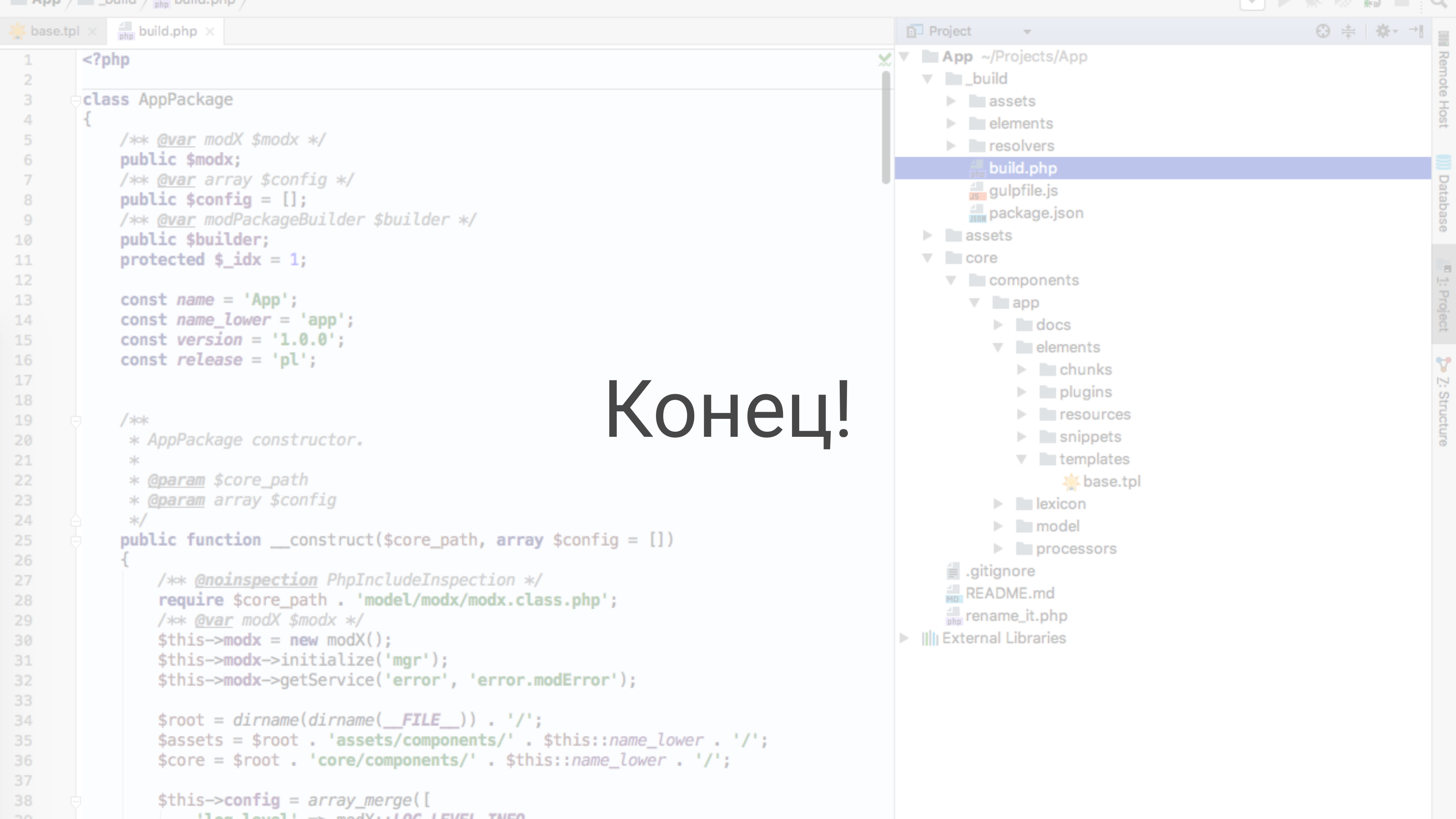
Hello, !

This is a template for a simple marketing or informational website. It includes a large callout called a jumbotron and three supporting pieces of content. Use it as a starting point to create something more unique.

[Learn more »](#)

| Elements Console Sources Network Performance Memory Application Security Audits | | | | | | | | |
|---|-----------|------------|-----------------------------------|--------------------|------------------|---|-----------|--|
| View:   ☐ Group by frame ☐ Preserve log ☒ Disable cache ☐ Offline Online | | | | | | | | |
| Filter ☐ Regex ☐ Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other | | | | | | | | |
| Name | Status | Type | Initiator | Size | Time | Waterfall | 500.00 ms | |
|  s11000.h9.modhost.pro | 200
OK | document | Other | 6.4 KB
6.1 KB | 253 ms
249 ms |  | | |
|  main.css?v=1.00
/assets/components/app/css/web | 200
OK | stylesheet | (index)
Parser | 25.8 KB
141 KB | 137 ms
58 ms |  | | |
|  require.min.js?v=1.00
/assets/components/app/js/web/lib | 200
OK | script | (index)
Parser | 6.8 KB
17.1 KB | 152 ms
148 ms |  | | |
|  config.js?v=1.00
/assets/components/app/js/web | 200
OK | script | (index)
Parser | 612 B
371 B | 196 ms
195 ms |  | | |
|  fontawesome-webfont.woff2?v=4.7.0
/assets/components/app/fonts | 200
OK | font | (index)
Parser | 75.7 KB
75.4 KB | 174 ms
47 ms |  | | |
|  index.js?v=1.00
/assets/components/app/js/web/app | 200
OK | script | require.min.js?v=1.00:1
Script | 405 B
85 B | 53 ms
51 ms |  | | |





Конец!