

Building websites with TYPO3 Neos

/dev/var/8

Fedir RYKHTIK, @FedirFR

Hello !

Fedir RYKHTIK

@FedirFr

TYP03Con speaker

TYP03CAMP Toulon organizer

TYP03 Certified

demo

let's see

Launchr

Free TYPO3 Neos Demo platform

<https://launchr.com/typo3-neos>

=> <http://v5c6483be.launchr.com/>

architecture

components & composition

Packages

Everything is TYP03 FLOW package

Sites

<https://github.com/fedir/NeosDemoTypo3Org>

Node Types

<https://github.com/fedir/NeosDemoTypo3Org/blob/master/Configuration/NodeTypes.yaml>

Custom Content Elements

<http://docs.typo3.org/neos/TYPO3NeosDocumentation/IntegratorGuide/CustomContentElements.html>

```
'My.Package:SpecialHeadline':
```

```
    superTypes: ['TYPO3.Neos:Content']
```

```
    ui:
```

```
        label: 'Special Headline'
```

```
        group: 'general'
```

```
    properties:
```

```
        headline:
```

```
            type: 'string'
```

```
            defaultValue: 'My Headline Default'
```

```
            ui:
```

```
                inlineEditable: TRUE
```

```
            validation:
```

```
                'TYPO3.Neos/Validation/StringLengthValidator':
```

```
                    minimum: 1
```

```
                    maximum: 255
```

TypoScript

TypoScript is fundamentally a hierarchical, prototype based processing language to define TYPO3 Neos content objects.

TypoScript example

```
my {  
    image = Image  
    image.width = 200  
}
```

```
myObject = Menu {  
    @if.1 = ${q(node).property('showMenu') == true}  
}
```

results in the menu object only being evaluated if the node's showMenu property is
``true``



Embedded Expression Language (Eel) for TypeScript

<http://docs.typo3.org/neos/TYP03NeosDocumentation/IntegratorGuide/EelFlowQuery.html#eel-embedded-expression-language>

```
`${foo.bar}`           // Traversal
`${foo.bar()}`         // Method call
`${foo.bar().baz()}`   // Chained method call
`${foo.bar("arg1", true, 42)}` // Method call with
arguments
`${foo.bar(12+18.5, foo == bar)}`
```

FlowQuery

CSS-like selectors

<http://docs.typo3.org/neos/TYP03NeosDocumentation/IntegratorGuide/EelFlowQuery.html#flowquery>

```
`${q(node).property('foo')}`  
`${q(node).parents()}`  
`${q(node).children('left').first()}`  
`${q(node).children().filter('left').first()}`
```

Fizzle

CSS-like selectors

<http://docs.typo3.org/neos/TYP03NeosDocumentation/IntegratorGuide/EelFlowQuery.html#fizzle>

```
baz[foo]  
baz[answer = 42]  
baz[foo = "Bar"]  
baz[foo = 'Bar']  
baz[foo != "Bar"]  
baz[foo ^= "Bar"]  
baz[foo $= "Bar"]  
baz[foo *= "Bar"]
```

Command line interface (CLI)

<http://docs.typo3.org/typo3/typo3/NeosDocumentation/Appendixes/CommandReference.html>

typo3.neos:domain:list

typo3.neos:domain:add¶

typo3.neos:site:list¶

typo3.neos:site:export¶

typo3.neos:site:import

typo3.neos:user:list

typo3.neos:user:create

typo3.neos:user:addrole

typo3.neos:workspace:list¶

typo3.neos:workspace:publish¶

typo3.neos:workspace:discard

Code analyse

<https://github.com/fedir/NeosDemoTypo3Org>

building websites

simple start

Install requirements

Requirements

LAMP server, PHP 5.3+

Composer

```
curl -s https://getcomposer.org/installer | php
```

Installation

Init site

```
cd /your/htdocs/
```

```
php /path/to/composer.phar create-project typo3/neos-base-distribution TYPO3-Neos
```

Vhost configuration

```
<VirtualHost *:80>
```

```
    DocumentRoot "/your/htdocs/TYPO3-Neos/Web/"
```


```
    #SetEnv FLOW_CONTEXT Production
```


```
    ServerName neos.demo
```



```
</VirtualHost>
```

Import existing or create blank

yoursite.com/neos/administration/sites/newsite



Neos Admin 


 Administration /  Sites Management

New site

Import a site

Select a site

TYPO3.NeosDemoTypo3Orq



Create a blank site

Package Key

YourCompany.NewSite

A valid package key should be in the form VendorName.MyPackageKey

Site Name

Brand New Site

Cancel

Create site

References

General

- <http://neos.typo3.org/>
- <http://three-lines-of-code.com/basic-typo3-flow-and-typo3-neos-resources/>
- <http://www.lobacher.de/files/neos/TYP03-Neos-1.0.2-Kompendium-Patrick-Lobacher.pdf>
- <http://www.roodlicht.com/typo3-neos-or-typo3-cms/3364?lang=en>
- <http://goo.gl/jgui7w>

Official documentation

- <http://docs.typo3.org/neos/TYP03NeosDocumentation/GettingStarted/Index.html>
- <http://docs.typo3.org/neos/TYP03NeosDocumentation/GettingStarted/Installation.html>
- <http://docs.typo3.org/neos/TYP03NeosDocumentation/IntegratorGuide/Index.html>
- <http://docs.typo3.org/neos/TYP03NeosDocumentation/IntegratorsCookbook/Index.html>
- <http://docs.typo3.org/neos/TYP03NeosDocumentation/DeveloperGuide/Index.html>
- <http://docs.typo3.org/neos/TYP03NeosDocumentation/Appendixes/Index.html>

Blogs

- <https://learn-neos.com/blog.html>
- <http://dimaip.github.io/>

Github goodies

- <https://github.com/tlayh/vagrant-typo3neos>
- <https://github.com/ryzy/vc-typo3-neos>
- <https://github.com/lelesys>
- <https://github.com/sfi-ru>

Demo

- <https://launchr.com/typo3-neos>