

Structuring the bundle

At this point, we have an “anonymous” Symfony 2 bundle.

Let's start by creating the structure for our `FieldType`. To make it easier to move around the code, we will mimic to some extent the structure that is used in the kernel. Native `FieldTypes` are located inside `ezpublish-kernel` (in `vendor/ezsystems`), in the `ez/Publish/Core/FieldType` folder. Each `FieldType` has its own subfolder: `TextLine`, `Email`, `Url`... we will use a structure quite close from this.

From the tutorial repository, list the contents of the `ez/Publish/FieldType` folder:

```
ez
  Publish
    FieldType
      Tweet
        Type.php
        Value.php
```

We have the two base classes required by a `FieldType`: `Type` and `Value`.

The Type class

The `Type` contains the logic of the field type: validating data, transforming from various formats, describing the validators...

A type class must implement `ez\Publish\SPI\FieldType\FieldType`. It may also extend the `ez\Publish\Core\FieldType\FieldType` abstract class.

The Value class

The `Value` is used to represent an instance of our type within a `Content` item. Each `Field` will present its data using an instance of the `Type`'s `Value` class.

A value class must implement the `ez\Publish\SPI\FieldType\Value` interface. It may also extend the `ez\Publish\Core\FieldType\Value` abstract class.