

Structure the bundle

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

Tutorial path

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

The Type class

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

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.