

Float Field Type

This Field Type represents a float value.

Name	Internal name	Expected input
Float	ezfloat	float

Description

This Field Type stores numeric values which will be provided as floats.

PHP API Field Type

Input expectations

The Field Type expects a number as input. Both decimal and integer numbers are accepted.

Type	Example
float	194079.572
int	144

Value object

Properties

The Value class of this field type contains the following properties:

Property	Type	Description
\$value	float	This property will be used to store the value provided as a float.

Value object content example

```
use eZ\Publish\Core\Fieldtype\Float\Type;

// Instantiates a Float Value object
$floatValue = new Type\Value();

$float->value = 284.773
```

Constructor

The `Float\Value` constructor will initialize a new Value object with the value provided. It expects a numeric value with or without decimals.

Constructor example

```
use eZ\Publish\Core\FieldType\Float\Type;

// Instantiates a Float Value object
$floatValue = new Type\Value( 284.773 );
```

Validation

This Field Type supports `FloatValueValidator`, defining maximal and minimal float value:

Name	Type	Default value	Description
minFloatValue	float	null	This setting defines the minimum value this FieldType will allow as input.
maxFloatValue	float	null	This setting defines the maximum value this FieldType will allow as input.

Validator configuration example in PHP

```
use eZ\Publish\Core\FieldType\Float\Type;

$contentTypeService =
    $repository->getContentTypeService();
$floatFieldCreateStruct =
    $contentTypeService->newFieldDefinitionCreateStruct(
        "float", "ezfloat" );

// Accept only numbers between 0.1 and 203.99
$floatFieldCreateStruct->validatorConfiguration = array(
    "FileSizeValidator" => array(
        "minFloatValue" => 0.1,
        "maxFloatValue" => 203.99
    )
);
```

Settings

This Field Type does not support settings.