The Float FieldType

This field type represents a float value.

Name	Internal name	Expected input
Float	ezfloat	float

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Description

This FieldType stores numeric values which will be provided as floats.

Input expectations

The FieldType 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 FieldType supports **FloatValueValidator**, defining maximal and minimal float value:

Name	Type	Default value		Description
`minFloatValue`	`float`	`false` / `null`	SINCE 5.4.9	This setting defines the minimum value this FieldType will allow as input.
`maxFloatValue`	`float`	`false` / `null`	SINCE 5.4.9	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 FieldType does not support settings.