

# The RelationList FieldType

This field type represents one or multiple relations to content.

Name	Internal name	Expected input
RelationList	eZobjectrelationlist	mixed

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## Description

This FieldType makes possible to store and retrieve values of relation to content.

## Input expectations

Type	Description	Example
int string	Id of the related Content	42
array	An array of related Content ids	array( 24, 42 )
eZ\Publish\API\Repository\Values\Content\ContentInfo	ContentInfo instance of the related Content	
eZ\Publish\Core\FieldType\RelationList\Value	RelationList FieldType Value Object	See Value Object documentation section below.

## Value Object API

### Properties

eZ\Publish\Core\FieldType\RelationList\Value contains following properties.

Property	Type	Description	Example
destinationContentIds	array	An array of related Content ids	array( 24, 42 )

### Value object content example

```
$relationList->destinationContentId = array(  
    $contentInfo1->id,  
    $contentInfo2->id,  
    170  
);
```

## Constructor

The `RelationList\Value` constructor will initialize a new `Value` object with the value provided. It expects a mixed array as value.

### Constructor example

```
// Instantiates a RelationList Value object
$relationListValue = new RelationList\Value(
    array(
        $contentInfo1->id,
        $contentInfo2->id,
        170
    )
);
```

## Validation

This `FieldType` validates if the `selectionMethod` specified is 0 (`self::SELECTION_BROWSE`) or 1 (`self::SELECTION_DROPDOWN`). A validation error is thrown if the value does not match.

Also validates if the `selectionDefaultLocation` specified is `null`, `string` or `integer`. If the type validation fails a validation error is thrown.

And validates if the value specified in `selectionContentTypes` is an array. If not, a validation error is given.

## Settings

The field definition of this `FieldType` can be configured with following options:

Name	Type	Default value	Description
<code>selectionMethod</code>	mixed	<code>SELECTION_BROWSE</code>	Method of selection in the administration interface
<code>selectionDefaultLocation</code>	string integer	null	Id of the default Location for the selection when using administration interface
<code>selectionContentTypes</code>	array	<code>array()</code>	An array of <code>ContentType</code> ids that are allowed for related Content

Following selection methods are available:

Name	Description
<code>SELECTION_BROWSE</code>	Selection will use browse mode
<code>SELECTION_DROPDOWN</code>	Selection control will use dropdown control containing the Content list in the default Location for selection

### Example of using settings in PHP

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

$settings = array(
    "selectionMethod" => Type::SELECTION_BROWSE,
    "selectionDefaultLocation" => null,
    "selectionContentTypes" => array()
);
```