

# The XmlText Field Type

The XmlText Field Type isn't officially supported by eZ Platform. It can be installed by requiring ezsystems/ezplatform-xmltext-fieldtype. PlatformUI does not support wysiwyg editing of this type of Field.

This Field Type validates and stores formatted text using the eZ Publish legacy format, ezxml.

Name	Internal name	Expected input
XmlText	ezxmltext	mixed

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## Input expectations

Type	Description	Example
string	XML document in the Field Type internal format as a string.	See the example below.
eZ\Publish\Core\Fieldtype\XmlText\Input	An instance of the class implementing Field Type abstract <b>Input</b> class.	See the example below.
eZ\Publish\Core\Fieldtype\XmlText\Value	An instance of the Field Type <b>value</b> object.	See the example below.

## Example of the Field Type's internal format

```
<?xml version="1.0" encoding="utf-8"?>
<section
  xmlns:custom="http://ez.no/namespaces/ezpublish3/custom/"
  xmlns:image="http://ez.no/namespaces/ezpublish3/image/"
  xmlns:xhtml="http://ez.no/namespaces/ezpublish3/xhtml/">
  <paragraph>This is a paragraph.</paragraph>
</section>
```

## For XHTML Input

The eZ XML output uses `<strong>` and `<em>` by default, respecting the semantic XHTML notation.

### Learn more about `<strong>`, `<b>`, `<em>`, `<i>`

- [Read the share.ez.no forum about our choice of semantic tags with eZ XML](#)
- [Learn more about the semantic tags vs the presentational tags.](#)

## Input object API

**Input** object is intended as a vector for different input formats. It should accept input value in a foreign format and convert it to the Field Type's internal format.

It should implement abstract `eZ\Publish\Core\FieldType\XmlText\Input` class, which defines only one method:

Method	Description
<code>getInternalRepresentation</code>	The method should return the input value in the internal format.

At the moment there is only one implementation of the **Input** class, `eZ\Publish\Core\FieldType\XmlText\Input\EzXml`, which accepts input value in the internal format, and therefore only performs validation of the input value.

### Example of using the Input object

```
...

use eZ\Publish\Core\FieldType\XmlText\Input\EzXml as EzXmlInput;

...

$contentService = $repository->getContentService();
$contentTypeService = $repository->getContentTypeService();

$contentType = $contentTypeService->loadContentTypeByIdentifier( "article" );
$contentCreateStruct = $contentService->newContentCreateStruct( $contentType, "eng-GB"
);

$inputString = <<<EZXML
<?xml version="1.0" encoding="utf-8"?>
<section
  xmlns:custom="http://ez.no/namespaces/ezpublish3/custom/"
  xmlns:image="http://ez.no/namespaces/ezpublish3/image/"
  xmlns:xhtml="http://ez.no/namespaces/ezpublish3/xhtml/">
  <paragraph>This is a paragraph.</paragraph>
</section>
EZXML;

$ezxmlInput = new EzXmlInput( $inputString );

$contentCreateStruct->setField( "description", $ezxmlInput );

...
```

## Value object API

`eZ\Publish\Core\FieldType\XmlText\Value` offers following properties:

Property	Type	Description
<code>xml</code>	<code>DOMDocument</code>	Internal format value as an instance of <code>DOMDocument</code> .

## Validation

Validation of the internal format is performed in the `eZ\Publish\Core\FieldType\XmlText\Input\EzXml` class.

## Settings

Following settings are available:

Name	Type	Default value	Description
<code>numRows</code>	<code>int</code>	<code>10</code>	Defines the number of rows for the online editor in the administration interface.
<code>tagPreset</code>	<code>mixed</code>	<code>Type::TAG_PRESET_DEFAULT</code>	Preset of tags for the online editor in the administration interface.

## Tag presets

Following tag presets are available as constants in the `eZ\Publish\Core\FieldType\XmlText` class:

Constant	Description
<code>TAG_PRESET_DEFAULT</code>	Default tag preset.
<code>TAG_PRESET_SIMPLE_FORMATTING</code>	Preset of tags for online editor intended for simple formatting options.

### Example of using settings in PHP

```
...  
  
use eZ\Publish\Core\FieldType\XmlText\Type;  
  
...  
  
$contentTypeService = $repository->getContentTypeService();  
$xmltextFieldCreateStruct = $contentTypeService->newFieldDefinitionCreateStruct(  
    "description", "ezxmltext" );  
  
$xmltextFieldCreateStruct->fieldSettings = array(  
    "numRows" => 25,  
    "tagPreset" => Type::TAG_PRESET_SIMPLE_FORMATTING  
);  
  
...
```