

The XmlText FieldType

This FieldType validates and stores formatted text.

Name	Internal name	Expected input
XmlText	ezxmltext	mixed

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Input expectations

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

Example of the FieldType'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 use `` and `` by default, respecting the semantic XHTML notation.

Learn more about ``, ``, ``, `<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 FieldType's internal format.

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

Method	Description
getInternalRepresentation	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
xml	DOMDocument	Internal format value as an instance of DOMDocument.

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
numRows	int	10	Defines the number of rows for the online editor in the administration interface.
tagPreset	mixed	Type::TAG_PRESET_DEFAULT	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
TAG_PRESET_DEFAULT	Default tag preset.
TAG_PRESET_SIMPLE_FORMATTING	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
);

...
```