

The DateAndTime FieldType

This FieldType represents a full date including time information.

Name	Internal name	Expected input type
DateAndTime	ezdatetime	mixed

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Description

This FieldType makes possible to store and retrieve a full date including time information.

Input expectations

If input value is of type `string` or `integer`, it will be passed directly to the [PHP's built-in \DateTime class constructor](#), therefore the same input format expectations apply.

It is also possible to directly pass an instance of `\DateTime`.

Type	Example
<code>string</code>	<code>"2012-08-28 12:20 Europe/Berlin"</code>
<code>integer</code>	<code>1346149200</code>
<code>\DateTime</code>	<code>new \DateTime()</code>

Value object

Properties

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

Property	Type	Description
<code>\$value</code>	<code>\DateTime</code>	The date and time value as an instance of <code>\DateTime</code> .

Constructor

The constructor for this value object will initialize a new Value object with the value provided. It accepts an instance of PHP's built-in `\DateTime` class.

String representation

String representation of the date value will generate the date string in the format "D Y-d-m H:i:s" as accepted by [PHP's built-in date\(\)](#) function.

Example:

```
Wed 2013-22-05 12:19:18
```

Hash format

Hash value of this FieldType is an array with two keys:

Key	Type	Description	Example
<code>timestamp</code>	integer	Time information as a <code>timestamp</code> .	1400856992
<code>rfc850</code>	string	Time information as a string in RFC 850 date format . As input, this will have higher precedence over the <code>timestamp</code> value.	"Friday, 23-May-14 14:56:14 GMT+0000"

```
$hash = array(  
    "timestamp" => 1400856992,  
    "rfc850" => "Friday, 23-May-14 14:56:14 GMT+0000"  
);
```

Validation

This FieldType does not perform any special validation of the input value.

Settings

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

Name	Type	Default value	Description
<code>useSeconds</code>	boolean	false	Used to control displaying of seconds in the output.
<code>defaultType</code>	mixed	<code>Type::DEFAULT_EMPTY</code>	One of the DEFAULT_* constants, used by the administration interface for setting the default field value. See below for more details.
<code>dateInterval</code>	<code>null</code> \DateInterval	null	This setting complements defaultType setting and can be used only when latter is set to Type::DEFAULT_CURRENT_DATE_ADJUSTED . In that case the default input value when using administration interface will be adjusted by the given \DateInterval .

Following **defaultType** default value options are available as constants in the `eZ\Publish\Core\FieldType\DateTime\Type` class:

Constant	Description

DEFAULT_EMPTY	Default value will be empty.
DEFAULT_CURRENT_DATE	Default value will use current date.
DEFAULT_CURRENT_DATE_ADJUSTED	Default value will use current date, adjusted by the interval defined in dateInterval setting.

DateAndTime FieldType example settings

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

```
$settings = array(  
    "useSeconds" => false,  
    "defaultType" => Type::DEFAULT_EMPTY,  
    "dateInterval" => null  
);
```