

The DateAndTime Field Type

This Field Type represents a full date including time information.

| Name | Internal name | Expected input type |
|-------------|---------------|---------------------|
| DateAndTime | ezdatetime | mixed |

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Description

This Field Type 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> | "2012-08-28 12:20 Europe/Berlin" |
| <code>integer</code> | 1346149200 |
| <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 Field Type is an array with two keys:

| Key | Type | Description | Example |
|-----------|---------|---|---------------------------------------|
| timestamp | integer | Time information as a timestamp. | 1400856992 |
| rfc850 | string | Time information as a string in RFC 850 date format. As input, this will have higher precedence over the timestamp 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 Field Type does not perform any special validation of the input value.

Settings

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

| Name | Type | Default value | Description |
|--------------|--------------------|---------------------|--|
| useSeconds | boolean | false | Used to control displaying of seconds in the output. |
| defaultType | mixed | Type::DEFAULT_EMPTY | One of the DEFAULT_* constants, used by the administration interface for setting the default field value. See below for more details. |
| dateInterval | null \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\FieldTypes\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  
);
```