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
string	"2012-08-28 12:20 Europe/Berlin"
integer	1346149200
\DateTime	new \DateTime()

Value object

Properties

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

Property	Type	Description
$value	\DateTime	The date and time value as an instance of **\DateTime**.

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
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 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
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\FieldType\DateAndTime\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

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

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