ezdatetime datatype (Date and time)

The ezdatetime datatype (Date and time): what it stores and how templates use it.

Source file: doc/eng-us/examples/datatypes/ezdatetime.md Last changed 2026-11-04
https://doc.exponential.earth/learninminutes/exphelp/viewer/examples/datatypes/ezdatetime.md

The ezdatetime datatype (Date and time)

Class `eZDateTimeType` in `kernel/classes/datatypes/ezdatetime/ezdatetimetype.php`; identifier `ezdatetime`, listed in `settings/content.ini [DataTypeSettings] AvailableDataTypes[]`.

What it stores

The columns of the attribute tables its class reads or writes: `data_int`, `data_int1`, `data_int2`, `data_text5`, `sort_key_int` (`data_text`, `data_int`, `data_float` and `sort_key_*` are the object attribute's; `data_text1` ... `data_int4` the class attribute's settings). Found by reading the class: a heuristic. Sorting: `sortKeyType()` returns `int`. It is indexed by the search; collects information (forms).

In templates

`my_attribute` stands for the identifier of an attribute of this type in your class:

Template

```
{def $attribute = $node.data_map.my_attribute}
{if $attribute.has_content}
    {attribute_view_gui attribute=$attribute}
{/if}
{* the value as the datatype returns it (objectAttributeContent()) *}
{$attribute.content|attribute( show, 1 )}
```

The shipped template that shows it (`attribute_view_gui`), `design/standard/templates/content/datatype/view/ezdatetime.tpl`:

Template

```
{* DO NOT EDIT THIS FILE! Use an override template instead. *}
{if $attribute.content.is_valid}
{if $attribute.contentclass_attribute.data_int2|eq(1)}
{$attribute.content.timestamp|l10n(shortdate)} {$attribute.content.timestamp|l10n(time)}
{else}
{$attribute.content.timestamp|l10n(shortdatetime)}
{/if}
{/if}
```

The shipped template that edits it (`attribute_edit_gui`), `design/standard/templates/content/datatype/edit/ezdatetime.tpl` (first 25 lines):

Template

```
{* DO NOT EDIT THIS FILE! Use an override template instead. *}
{default attribute_base=ContentObjectAttribute}
{if ne( $attribute_base, 'ContentObjectAttribute' )}
```

```
    {def $id_base = concat( 'ezcoa-', $attribute_base, '-', $attribute.contentclassattribute_id,
'_', $attribute.contentclass_attribute_identifier )}
{else}
    {def $id_base = concat( 'ezcoa-', $attribute.contentclassattribute_id, '_', $attribute.conten
tclass_attribute_identifier )}
{/if}
<div class="block">

<div class="date">
<div class="element">
<label for="{$id_base}_year">{'Year'|i18n( 'design/standard/content/datatype' )}:</label>
<input id="{$id_base}_year" class="ezcc-{$attribute.object.content_class.identifier} ezcca-{$attr
ibute.object.content_class.identifier}_{$attribute.contentclass_attribute_identifier}" type="text
" name="{$attribute_base}_datetime_year_{$attribute.id}" size="5" value="{if $attribute.content.i
s_valid}{$attribute.content.year}{/if}" />
</div>

<div class="element">
<label for="{$id_base}_month">{'Month'|i18n( 'design/standard/content/datatype' )}:</label>
<input id="{$id_base}_month"  class="ezcc-{$attribute.object.content_class.identifier} ezcca-{$at
tribute.object.content_class.identifier}_{$attribute.contentclass_attribute_identifier}" type="te
xt" name="{$attribute_base}_datetime_month_{$attribute.id}" size="3" value="{if $attribute.conten
t.is_valid}{$attribute.content.month}{/if}" />
</div>

<div class="element">
<label for="{$id_base}_day">{'Day'|i18n( 'design/standard/content/datatype' )}:</label>
<input id="{$id_base}_day" class="ezcc-{$attribute.object.content_class.identifier} ezcca-{$attri
bute.object.content_class.identifier}_{$attribute.contentclass_attribute_identifier}" type="text"
 name="{$attribute_base}_datetime_day_{$attribute.id}" size="3" value="{if $attribute.content.is_
valid}{$attribute.content.day}{/if}" />
 
 
```

Override them for one class attribute in an `override.ini.append.php` with `Source=content/datatype/view/ezdatetime.tpl` and a match on `attribute_identifier` (see A template override).

Related

- All datatypes
- A custom datatype
- A content class

Generated by `./console exp:help:examples` from `kernel/classes/datatypes/ezdatetime/ezdatetimetype.php`, `settings/content.ini`, `design/standard/templates/content/datatype/view/ezdatetime.tpl`, `design/standard/templates/content/datatype/edit/ezdatetime.tpl`. Do not edit this page: change the source and generate again (how). Free documentation: GFDL 1.3 or later.

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