eztime datatype (Time)

The eztime datatype (Time): what it stores and how templates use it.

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

The eztime datatype (Time)

Class `eZTimeType` in `kernel/classes/datatypes/eztime/eztimetype.php`; identifier `eztime`, 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`, `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 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/eztime.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(time)}
{else}
{$attribute.content.timestamp|l10n(shorttime)}
{/if}
{/if}
```

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

Template

```
{* DO NOT EDIT THIS FILE! Use an override template instead. *}
{default attribute_base=ContentObjectAttribute}
<div class="block">

{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="element">
        <label for="{$id_base}_hour">{'Hour'|i18n( 'design/standard/content/datatype' )}:</label>
        <input id="{$id_base}_hour" class="ezcc-{$attribute.object.content_class.identifier} ezcc
a-{$attribute.object.content_class.identifier}_{$attribute.contentclass_attribute_identifier}" ty
pe="text" name="{$attribute_base}_time_hour_{$attribute.id}" size="3" value="{if $attribute.conte
nt.is_valid}{$attribute.content.hour}{/if}" />
    </div>

    <div class="element">
        <label for="{$id_base}_minute">{'Minute'|i18n( 'design/standard/content/datatype' )}:</la
bel>
        <input id="{$id_base}_minute" class="ezcc-{$attribute.object.content_class.identifier} ez
cca-{$attribute.object.content_class.identifier}_{$attribute.contentclass_attribute_identifier}"
type="text" name="{$attribute_base}_time_minute_{$attribute.id}" size="3" value="{if $attribute.c
ontent.is_valid}{$attribute.content.minute}{/if}" />
    </div>

    {if $attribute.contentclass_attribute.data_int2|eq(1)}
    <div class="element">
        <label for="{$id_base}_second">{'Second'|i18n( 'design/standard/content/datatype' )}:</la
bel>
        <input id="{$id_base}_second" class="ezcc-{$attribute.object.content_class.identifier} ez
cca-{$attribute.object.content_class.identifier}_{$attribute.contentclass_attribute_identifier}"
type="text" name="{$attribute_base}_time_second_{$attribute.id}" size="3" value="{if $attribute.c
ontent.is_valid}{$attribute.content.second}{/if}" />
```

Override them for one class attribute in an `override.ini.append.php` with `Source=content/datatype/view/eztime.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/eztime/eztimetype.php`, `settings/content.ini`, `design/standard/templates/content/datatype/view/eztime.tpl`, `design/standard/templates/content/datatype/edit/eztime.tpl`. Do not edit this page: change the source and generate again (how). Free documentation: GFDL 1.3 or later.

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