

FieldTypes reference

This page contains `FieldTypes` reference introduced with eZ Publish 5.x.

`FiledTypes` were known as `DataTypes` in eZ Publish 4.x, and are still used in "Dual kernel" eZ Publish 5.x. If you would like more details please refer to the [4.x DataTypes](#) reference documentation page.

For the general `FieldType` documentation see [Field Type API and best practices](#).

If you are looking for the documentation on how to implement a custom `FieldType`, see [eZ Publish 5 Field Type Tutorial](#).

A `FieldType` is the smallest possible entity of storage. It determines how a specific type of information should be validated, stored, retrieved, formatted and so on. eZ Publish comes with a collection of fundamental datatypes that can be used to build powerful and complex content structures. In addition, it is possible to extend the system by creating custom `FieldTypes` for special needs. Custom `FieldTypes` have to be programmed in PHP. However, the built in `FieldTypes` are usually sufficient enough for typical scenarios. The following table gives an overview of the supported `FieldTypes` that come with eZ Publish.

FieldType	Description	Searchable in Legacy Storage engine	Searchable with Solr
Author	Field type used to store a list of authors, consisting of author name, and author email.	No	Yes
BinaryFile	Field type used to store a file.	Yes	Yes
Checkbox	Field type which stores boolean values.	Yes	Yes
Country	This field type stores country names as a string.	Yes	Yes
DateAndTime	Field type used to store a full date including time information.	Yes	Yes
Date	Field type used to store a date information.	Yes	Yes
EmailAddress	This field type is used to validate and store an email address.	Yes	Yes
Float	Field type used to validate and store a decimal value.	No	Yes
Image	Field type used to validate and store an image.	No	Yes
Integer	Field type which validates and stores an integer value.	Yes	Yes
ISBN	Handles International Standard Book Number (ISBN) in 10-digit or 13-digit format.	Yes	Yes
Keyword	Field type used to store keywords.	No	Yes
MapLocation	Field type used to store map coordinates.	Yes, with <code>MapLocationDistance</code> criterion	Yes
Matrix	Available via community Bundle: https://github.com/ezcommunity/EzMatrixFieldTypeBundle		
Media	Validates and stores a media file.	No	Yes
Null	This field type is used for fallback for missing field types and for testing purposes.	N/A	N/A
Page	Field type used to manage display zones and blocks in a page (formerly known as <i>eZ Flow</i> datatype).	No	No
Price	Available via community Bundle: https://github.com/ezcommunity/EzPriceBundle		Yes
Rating	Field type which stores a rating.	No	No
Relation	Field type which validates and stores a relation to a content item.	Yes, with both <code>Field</code> and <code>FieldRelation</code> criterions	Yes
RelationList	Field type that validates and stores a list of relations to content items.	Yes, with <code>FieldRelation</code> criterion	Yes
Selection	Field type which validates and stores a single selection or multiple choices from a list of options.	Yes	Yes
Selection2	Available via community Bundle: https://github.com/netgen/NetgenEnhancedSelectionBundle		
Tags	Available via community Bundle: https://github.com/netgen/TagsBundle		
TextBlock	Validates and stores a larger block of text.	No	Yes

TextLine	This field type validates and stores a single line of text.	Yes	Yes
Time	Field type used to store a time information.	Yes	Yes
Url	Field type used to store an URL / address.	No	Yes
User	Field type that validates and stores information about a user.	No	No
XmlText	Field type that validates and stores multiple lines of formatted text..	Yes	Yes

Known missing field types

The following FieldTypes are configured using `Null` FieldType to avoid exceptions if they exists in your database, but their functionality is currently not known to be implemented out of the box or by the community:

EZP-20112 - Some Shop FieldTypes are not supported by Public API
BACKLOG

EZP-20115 - eZ Identifier FieldType not supported by Public API
BACKLOG

EZP-20114 - Deprecated FieldTypes (ezenum, ezinisetting, ezpackage) not supported by Public API
CLOSED

EZP-20116 - eZ SubtreeSubscription FieldType not supported by Public API
CLOSED

EZP-20117 - eZ Survey FieldType not supported by Public API
CLOSED

EZP-20118 - eZ Password Expiry FieldType not supported by Public API
BACKLOG