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