Field Types reference

This page contains a reference of Field Types used in eZ Platform.
Field Types were known as DataTypes in legacy eZ Publish. If you would like more details about them, please refer to the 4.x DataTypes reference documentation page.

> For the general Field Type documentation see Field Type API and best practices.
>
> If you are looking for the documentation on how to implement a custom Field Type, see Field Type Tutorial.

A Field Type 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 Platform comes with a collection of fundamental types that can be used to build powerful and complex content structures. In addition, it is possible to extend the system by creating custom Field Types for special needs. Custom Field Types have to be programmed in PHP. However, the built-in Field Types are usually sufficient enough for typical scenarios. The following table gives an overview of the supported Field Types that come with eZ Platform.

FieldType	Description	Searchable in Legacy Storage engine
Author	Stores a list of authors, each consisting of author name and author email.	No
BinaryFile	Stores a file.	Yes
Checkbox	Stores a boolean value.	Yes
Country	Stores country names as a string.	Yes
DateAndTime	Stores a full date including time information.	Yes
Date	Stores date information.	Yes
EmailAddress	Validates and stores an email address.	Yes
Float	Validates and stores a decimal value.	No
Image	Validates and stores an image.	No
Integer	Validates and stores an integer value.	Yes
ISBN	Handles International Standard Book Number (ISBN) in 10-digit or 13-digit format.	Yes
Keyword	Stores keywords.	No
MapLocation	Stores 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	Used as fallback for missing Field Types and for testing purposes.	No
Page	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	Stores a rating.	No
Relation	Validates and stores a relation to a Content item.	Yes, with both Field and FieldRelation criterions
RelationList	Validates and stores a list of relations to Content items.	Yes, with FieldRelation criterion
Selection	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	Validates and stores a single line of text.	Yes
Time	Stores time information.	Yes
Url	Stores a URL / address.	No
User	Validates and stores information about a user.	No
XmlText	Validates and stores multiple lines of formatted text.	Yes

Known missing Field Types

The following Field Types are configured using Null Field Type 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

Related topics:

- Content items, Content Types and Fields