

Field Types reference

This page contains a reference of Field Types used in eZ Platform.

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 the [Creating a Tweet 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.

Built in Field Types

FieldType	Description	Searchable in Legacy Storage engine	Searchable with Solr
Author	Stores a list of authors, each consisting of author name and author email.	No	Yes
BinaryFile	Stores a file.	Yes	Yes
Checkbox	Stores a boolean value.	Yes	Yes
Country	Stores country names as a string.	Yes*	Yes
DateAndTime	Stores a full date including time information.	Yes	Yes
Date	Stores date information.	Yes	Yes
EmailAddress	Validates and stores an email address.	Yes	Yes
Float	Validates and stores a decimal value.	No	Yes
Image	Validates and stores an image.	No	Yes
Integer	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	Stores keywords.	Yes* >= 1.7.0	Yes
Landing Page	Stores a page with a layout consisting of multiple zones.	N/A	N/A
MapLocation	Stores map coordinates.	Yes, with MapLocationDistance criterion	Yes
Media	Validates and stores a media file.	No	Yes
Null	Used as fallback for missing Field Types and for testing purposes.	N/A	N/A
Rating	Stores a rating.	No (<i>will need own Criterion</i>)	No

Related topics:

- [Content items, Content Types and Fields](#)

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Relation	Validates and stores a relation to a Content item.	Yes, with both Field and FieldRelation criterions	Yes
RelationList	Validates and stores a list of relations to Content items.	Yes, with FieldRelation criterion	Yes
RichText	Validates and stores structured rich text in docbook xml format, and exposes it in several formats.	Yes*	Yes
Selection	Validates and stores a single selection or multiple choices from a list of options.	Yes*	Yes
TextBlock	Validates and stores a larger block of text.	Yes* >= 1.7.1	Yes
TextLine	Validates and stores a single line of text.	Yes	Yes
Time	Stores time information.	Yes	Yes
Url	Stores a URL / address.	No	Yes
User	Validates and stores information about a user.	No	No


*Legacy Search/Storage Engine index is limited to 255 characters in database design, so formatted or unformatted text blocks will only index first part, and in case of multiple selection field types like keyword, selection, country and so on only the first choices, and only as a text blob separated by string separator. Proper indexing of these field types are done with [Solr Search Bundle](#).


Field Types provided by Community


FieldType	Description	Searchable	Editing support in Platform UI	Planned to be incl in the future
Tags	Tags field and full fledge taxonomy management	Yes	Yes >= 3.0.0 (BUNDLE VERSION)	Yes >= 1.9.0 (IN STUDIO DEMO INSTALL)
Price	Price field for product catalog use	Yes	No	Yes
Matrix	Matrix field for matrix data	Yes	No	Yes
XmlText	Validates and stores multiple lines of formatted text using xml format.	Yes	Partial (Raw xml editing)	No (has been superseded by RichText)

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

something? For field types provided by community, like for instance ezselection2, unless otherwise mentioned it can be considered missing for the time being. If something should be listed here, add a comment.

Generate new Field Type

Besides links in the top of this topic in regards to creating own field type, from partner Smile there is now a [Field Type Generator Bundle](#) helping you get started creating skeleton for eZ Platform field type, including templates for editorial interface.