

The Media FieldType

This FieldType represents and handles media (audio/video) binary file.

Name	Internal name	Expected input
Media	ezmedia	mixed

Table of contents:

- [Description](#)
- [Input expectations](#)
- [Value object](#)
 - [Properties](#)
 - [Hash format](#)
- [Validation](#)
- [Settings](#)

Description

This FieldType represents and handles media (audio/video) binary file.

It is capable of handling following types of files:

- Apple QuickTime
- Adobe Flash
- Microsoft Windows Media
- Real Media
- Silverlight
- HTML5 Video
- HTML5 Audio

Input expectations

Type	Description	Example
string	Path to the media file.	<code>/Users/jane/butterflies.mp4</code>
<code>eZ\Publish\Core\FieldType\Media\Value</code>	Media FieldType Value Object with path to the media file as the value of <code>id</code> property.	See <code>value</code> object section below.

Value object

Properties

`eZ\Publish\Core\FieldType\Media\Value` offers the following properties.

Note that both **Media** and **BinaryFile** Value and Type inherit from the **BinaryBase** abstract field type, and share common properties.

Property	Type	Description	Example
<code>id</code>	string	Media file identifier. This ID depends on the IO Handler that is being used. With the native, default handlers (FileSystem and Legacy), the ID is the file path, relative to the binary file storage root dir (<code>var/<vardir>/storage/original</code> by default). This attribute has been introduced in eZ Publish 5.2.	<code>application/63cd472dd7819da7b75e8e2fee507c68.mp4</code>

fileName	string	The human readable file name, as exposed to the outside. Used when sending the file for download in order to name the file.	butterflies.mp4
fileSize	int	File size, in bytes	1077923
mimeType	string	The file's mime type.	video/mp4
uri	string	<p>The binary file's HTTP uri. If the URI doesn't include a host or protocol, it applies to the request domain.</p> <p>This attribute has been introduced in eZ Publish 5.2.</p> <p>The URI is not publicly readable, and must NOT be used to link to the file for download. Use <code>ez_render_field</code> to generate a valid link to the download controller.</p>	/var/ezdemo_site/storage/original/application/63cd472dd7819da7b75e8e2fee507c68.mp4
hasController	boolean	If the media has a controller when being displayed	true
autoplay	boolean	If the media should be automatically played	true
loop	boolean	If the media should be played in a loop	false
height	int	Height of the media	300
width	int	Width of the media	400
path	string	<p>deprecated</p> <p>Renamed to <code>id</code> starting from eZ Publish 5.2. Can still be used, but it is recommended not to use it anymore as it will be removed.</p>	

Hash format

The hash format mostly matches the value object. It has the following keys:

- `id`
- `path` (for backwards compatibility)
- `fileName`
- `fileSize`
- `mimeType`
- `uri`
- `hasController`
- `autoplay`
- `loop`
- `height`
- `width`

Validation

The `FieldType` supports `FileSizeValidator`, defining maximal size of media file in bytes:

Name	Type	Default value	Description
<code>maxFileSize</code>	<code>int</code>	<code>false</code>	Maximal size of the file in bytes.

Example of using Media FieldType validator in PHP

```
use eZ\Publish\Core\FieldType\Media\Type;

$contentTypeService = $repository->getContentTypeService();
$mediaFieldCreateStruct = $contentTypeService->newFieldDefinitionCreateStruct(
    "media", "ezmedia" );

// Setting maximal file size to 5 megabytes
$mediaFieldCreateStruct->validatorConfiguration = array(
    "FileSizeValidator" => array(
        "maxFileSize" => 5 * 1024 * 1024
    )
);
```

Settings

The FieldType supports **mediaType** setting defining how the media file should be handled in output.

Name	Type	Default value	Description
mediaType	mixed	Type::TYPE_HTML5_VIDEO	Type of the media, accepts one of the predefined constants.

List of all available **mediaType** constants defined in **eZ\Publish\Core\FieldType\Media\Type** class:

Name	Description
TYPE_FLASH	Adobe Flash
TYPE_QUICKTIME	Apple QuickTime
TYPE_REALPLAYER	Real Media
TYPE_SILVERLIGHT	Silverlight
TYPE_WINDOWSMEDIA	Microsoft Windows Media
TYPE_HTML5_VIDEO	HTML5 Video
TYPE_HTML5_AUDIO	HTML5 Audio

Example of using Media FieldType settings in PHP

```
use eZ\Publish\Core\FieldType\Media\Type;

$contentTypeService = $repository->getContentTypeService();
$mediaFieldCreateStruct = $contentTypeService->newFieldDefinitionCreateStruct(
    "media", "ezmedia" );

// Setting Adobe Flash as the media type
$mediaFieldCreateStruct->fieldSettings = array(
    "mediaType" => Type::TYPE_FLASH,
);
```