

# WOFileUpload

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## Introduction

The **WOFileUpload** element allows you to add an `<input type=file>` HTML element into your form, hence letting your users upload files to your server. This element must be inside an HTML form (**WOForm**) element and the *enctype* binding of the form must be set to "multipart/form-data" (see the examples).

Starting with WebObjects 5.2, it is possible to stream file uploads so that the entire file is not stored in memory on the server while being uploaded.

## Usage

```
WOFileUpload {
  filePath=aPath;
  data=fileData;
  [inputStream=fileName];
  [bufferSize=sizeKB];
  [outputStream=fileName];
  [streamToFilePath=filePath];
  [overwrite=[boolean]];
  [finalFilePath=filePath];
}
```

## Bindings

Binding Name	Binding Type	In /Out	Required	Description
filePath	String	in	Yes	The name of the file being uploaded, including the full path when the client is on Windows. To get only the name of the file without the full path, you can use <pre>NSPathUtilities.lastPathComponent(filePath)</pre>
data	NSData	out	No	The file being uploaded will be stored in a <a href="#">NSData</a> object. Please note that the entire file will be in-memory, so beware of out-of-memory errors if users upload large files.
inputStream	String	in	No	The binding will be set to an InputStream that points to the file upload. Note that the input stream points directly to the multipart request body part incoming stream and thus you <b>must</b> consume this input stream and close it inside the current request action logic. If you use this binding, you can only have one WOFileUpload element in your form, and it have to be the last element of the form and the form's multipleSubmit attribute must be set to false. Our advice, just use streamToFilePath.
bufferSize	int	in	No	Sets the size (in bytes) of the buffer used by the outputStream and streamToFilePath attributes. The default buffer size is 512KB. There is no reasonable restriction on the buffer size.
outputStream	String	out	No	WebObjects copies the file upload data from the content to the outputStream specified by this attribute.
streamToFilePath	String	in	No	WebObjects writes the file upload data from the content directly to the file path specified in this attribute. This is an atomic operation---the data is written to a temporary file, which is renamed when the process is complete.
overwrite	boolean	in	No	When streamToFilePath is specified, this binding determines whether WebObjects should overwrite an existing file. Defaults to false.
finalFilePath	String	out	No	When streamToFilePath is specified, its value is set to the actual file location (it may differ from the streamToFilePath value if there is a problem renaming the file).

## Examples

### Java methods

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## WOD-style

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### Inline bindings (WOOGNL)

```
<wo:form enctype = "multipart/form-data">

  <wo:fileUpload streamToFilePath="$streamPathLocation"
                 overwrite="true"
                 filePath="$clientFilePath"
                 finalFilePath="$finalFilePath" />

</wo:form>
```

## Related documents

[ERXWOFileUpload](#)  
[AjaxFileUpload](#)  
[NSPathUtilities.lastPathComponent](#)  
[ERAttachment](#)  
[Database vs Filesystem](#)  
[Localization and Internationalization](#)