

# Package ‘flobr’

May 15, 2020

**Title** Convert Files to and from Binary Objects (BLOBs)

**Version** 0.2.1

**Description** Converts files to and from flobs.

A flob is a file that was  
read into binary in integer-mode as little endian,  
saved as the single element of a named list (where the name is the name  
of the original file) and then serialized before being coerced into a blob.  
Flobs are useful for writing and reading files to and from databases.

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**URL** <https://github.com/poissonconsulting/flobr>

**BugReports** <https://github.com/poissonconsulting/flobr/issues>

**Depends** R (>= 3.5)

**Imports** chk,  
blob,  
tools,  
lifecycle

**Suggests** covr,  
spelling,  
testthat

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 7.1.0

**RdMacros** lifecycle

**Language** en-US

**Roxygen** list(markdown = TRUE)

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chk_flob	<i>Check flob</i>
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**Description**

Checks whether an object is a [flob\(\)](#).

**Usage**

```
chk_flob(x, old = FALSE, x_name = NULL)
```

**Arguments**

x	The object to check.
old	A flag indicating whether old flobs are permitted.
x_name	A string of the name of object x or NULL.

**Value**

NULL, invisibly. Called for the side effect of throwing an error if the condition is not met.

**See Also**

[flobr\(\)](#) and [chk\\_flob\(\)](#).

**Examples**

```
chk_flob(flobr::flob_obj)
```

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flob	<i>Flob File</i>
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**Description**

Converts a file into a flob. Flobs are useful for saving files in databases.

**Usage**

```
flob(path, name = "")
```

**Arguments**

path	A string of the path to the file.
name	A string of the name (without the extension) for the flob. If "" (the default) then the original file name is used.

**Details**

A flob is a file that was read into binary in integer-mode as little endian, saved as the single element of a named list (where the name is the extension of the original file) and then serialized before being coerced into a blob.

**Value**

A named flob of the file.

**See Also**

[flobr\(\)](#)

**Examples**

```
path <- system.file("extdata", "flobr.pdf", package = "flobr")
flob <- flob(path)
flob
```

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flob\_ext

*Flob Extension*

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**Description**

Flob Extension

**Usage**

```
flob_ext(flob)
```

**Arguments**

flob            A [flob\(\)](#)

**Value**

A string of the extension of the original file.

**See Also**

[flobr\(\)](#) and [flob\\_name\(\)](#).

**Examples**

```
flob_ext(flob_obj)
```

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flob_name	<i>Flob Name</i>
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**Description**

Gets a character vector of the name of the file (without the extension). If the flob does not have a file name it returns "file".

**Usage**

```
flob_name(flob)
```

**Arguments**

flob            A [flob\(\)](#)

**Value**

A character vector of the name of the file (without the extension).

**See Also**

[flobr\(\)](#) and [flob\\_ext\(\)](#).

**Examples**

```
flob_name(flob_obj)
```

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flob_obj	<i>A flob Object</i>
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**Description**

A [flob\(\)](#) of 'inst/extdata/flobr.pdf'.

**Usage**

```
flob_obj
```

**Format**

An object of class flob (inherits from blob) of length 1.

**Examples**

```
flob_obj
```

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is_flob	<i>Is flob</i>
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**Description**

Is flob

**Usage**

```
is_flob(x)
```

**Arguments**

x	An object to test
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**Value**

A flag indicating whether x inherits from `flob()`.

**See Also**

[flobr\(\)](#)

**Examples**

```
is_flob(flob_obj)
```

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unflob	<i>Unflob to File</i>
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**Description**

Converts a `flob()` back to its original file format.

**Usage**

```
unflob(flob, dir = ".", name = "", ext = "")
```

**Arguments**

flob	The <code>flob()</code> to save to file.
dir	A string of the path to the directory to save the file in.
name	A string of the name (without the extension) for the file. If "" (the default) then the original file name is used.
ext	A string of the extension for the file. If "" (the default) then the original extension is used.

**Details**

If path ends with a file separator then the name and extension of the flob is added. If the flob is an older flob that was not saved with a name then it is named 'file'.

If path ends with a file name without an extension then the extension of the flob is automatically added. Alternatively if path also includes an extension then it must match the flob's extension.

**Value**

An invisible string of the path to the saved file.

**Examples**

```
unflob(flob_obj, tempdir())
```

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vld\_flob

*Validate flob Object*

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**Description**

Validates a [flob\(\)](#) object.

**Usage**

```
vld_flob(x, old = FALSE)
```

**Arguments**

x	The object to check.
old	A flag indicating whether old flobs are permitted.

**Value**

A flag indicating whether the object passed the test.

**See Also**

[chk\\_flob\(\)](#)

**Examples**

```
vld_flob(flobr::flob_obj)  
vld_flob(1)
```

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