

# Package ‘flobr’

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

**Version** 0.2.0

**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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**Depends** R (>= 3.3.0)

**Imports** checkr, blob (>= 1.2.0), tools

**Suggests** covr, spelling, testthat

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

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

**Encoding** UTF-8

**LazyData** true

**RoxygenNote** 6.1.1

**Language** en-US

**NeedsCompilation** no

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## R topics documented:

check_flob . . . . .	2
flob . . . . .	2

flob_ext . . . . .	3
flob_name . . . . .	4
flob_obj . . . . .	4
is_flob . . . . .	5
unflob . . . . .	5

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check\_flob

*Check flob*

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### Description

Checks whether an object is a flob.

### Usage

```
check_flob(x, old = FALSE, x_name = substitute(x))
```

### Arguments

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

### Value

An invisible copy of x.

### See Also

flobr

### Examples

```
check_flob(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
```

---

flob\_ext

*Flob Extension*


---

**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)
```

---

flob\_name

*Flob Name*


---

**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)
```

---

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

**Value**

A flag indicating whether x inherits from `flob`.

**See Also**

flobr

**Examples**

```
is_flob(flob_obj)
```

---

unflob

*Unflob to File*

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**Description**

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

**Usage**

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

**Arguments**

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