

Package: sakura (via r-universe)

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Type Package

Title Extension to R Serialization

Version 0.0.1.9000

Description Exposes the 'refhook' functionality of R serialization for alternative serialization of non-system reference objects.

License GPL (>= 3)

BugReports <https://github.com/shikokuchuo/sakura/issues>

URL <https://shikokuchuo.net/sakura/>,
<https://github.com/shikokuchuo/sakura/>

Encoding UTF-8

Depends R (>= 3.5)

Suggests arrow, torch

RoxygenNote 7.3.2

Config/build/compilation-database true

Repository <https://shikokuchuo.r-universe.dev>

RemoteUrl <https://github.com/shikokuchuo/sakura>

RemoteRef HEAD

RemoteSha c7c6153990c5d582ae7202fb311009e4178a12f8

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sakura-package

sakura: Extension to R Serialization

Description

Exposes the 'refhook' functionality of R serialization for alternative serialization of non-system reference objects.

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See Also

Useful links:

- <https://shikokuchuo.net/sakura/>
- <https://github.com/shikokuchuo/sakura/>
- Report bugs at <https://github.com/shikokuchuo/sakura/issues>

serialize

Serialize

Description

An extension of R native serialization using the 'refhook' system for custom serialization and unserialization of non-system reference objects.

Usage

```
serialize(x, hook = NULL)
```

```
unserialize(x, hook = NULL)
```

Arguments

x an object.

hook [default NULL] optionally, a configuration returned by [serial_config](#).

Value

For `serialize`: a raw vector. For `unserialize`: the unserialized object.

Examples

```
vec <- serialize(data.frame())
vec
unserialize(vec)
```

serial_config	<i>Create Serialization Configuration</i>
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Description

Returns a serialization configuration for custom serialization and unserialization of non-system reference objects, using the 'refhook' system of R native serialization. This allows their use across different R sessions.

Usage

```
serial_config(class, sfunc, ufunc, vec = FALSE)
```

Arguments

class	character string of the class of object custom serialization functions are applied to, e.g. 'ArrowTabular' or 'torch_tensor'.
sfunc	a function that accepts a reference object inheriting from 'class' (or a list of such objects) and returns a raw vector.
ufunc	a function that accepts a raw vector and returns a reference object (or list of such objects).
vec	[default FALSE] whether or not the serialization functions are vectorized. If FALSE, they should accept and return reference objects individually e.g. <code>arrow::write_to_raw</code> and <code>arrow::read_ipc_stream</code> . If TRUE, they should accept and return a list of reference objects, e.g. <code>torch::torch_serialize</code> and <code>torch::torch_load</code> .

Value

A pairlist comprising the configuration. This may be provided to the 'hook' argument of [serialize](#) and [unserialize](#).

Examples

```
serial_config("test_class", base::serialize, base::unserialize)
```

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