Package: odin.js (via r-universe)

October 21, 2026

Title 'odin' 'JavaScript' support

Version 0.1.11

Author Rich FitzJohn

Maintainer Rich FitzJohn <rich.fitzjohn@gmail.com>

Description Create 'JavaScript' differential equation models from an 'odin' model specification.

License MIT + file LICENSE

Encoding UTF-8

LazyData true

Imports R6 (>= 2.4.0), V8, jsonlite, odin (>= 1.2.2)

Suggests cinterpolate, deSolve, testthat

RoxygenNote 7.1.1

Remotes ropensci/jsonvalidate, mrc-ide/odin

Config/pak/sysreqs libssl-dev libnode-dev

Repository https://ncov-ic.r-universe.dev

Date/Publication 2022-10-26 09:16:04 UTC

RemoteUrl https://github.com/mrc-ide/odin.js

RemoteRef master

RemoteSha 23e6e3e9d7170cb42ea608a753be660c07b6bcd2

Contents

odin_js 2
odin_js_bundle 2
odin_js_example 3

Index **4**

odin_js *Create a javascript odin model*

Description

Generate a javascript odin model from a file, text string or expression.

Usage

```
odin_js(x, ..., options = NULL)

odin_js_(x, ..., options = NULL)
```

Arguments

x	Either the name of a file to read, a text string (if length is greater than 1 elements will be joined with newlines) or an expression.
...	Arguments passed to odin_options
options	An optional odin_options object. The target element (if present) will be overriden.

odin_js_bundle *Create a bundle of odin models*

Description

Create a bundle of odin models

Usage

```
odin_js_bundle(
  filenames,
  dest = tempfile(),
  include = NULL,
  include_dopri = TRUE
)
```

Arguments

filenames	Filenames with odin source code
dest	Destination file for the generated javascript
include	Optional vector of paths of filenames to include into the javascript bundle
include_dopri	Logical, indicating if the dopri solver should be included as well.

`odin_js_example` *Generate a built in example*

Description

Generate a web page and javascript for a built-in example

Usage

```
odin_js_example(filename, name, dest = tempfile())
```

Arguments

`filename`	Filename of model to include
`name`	Name of the example (only `simple` is currently supported)
`dest`	Destination directory - multiple files will be created here, overwriting existing files without prompting.

Index

odin_js, 2
odin_js_ (odin_js), 2
odin_js_bundle, 2
odin_js_example, 3
odin_options, 2