

# Package: odin.js (via r-universe)

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**Title** 'odin' JavaScript support

**Version** 0.1.11

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**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>

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

**RemoteRef** master

**RemoteSha** 23e6e3e9d7170cb42ea608a753be660c07b6bcd2

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odin_js	<i>Create a javascript odin model</i>
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**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 <a href="#">odin_options</a>
options	An optional <a href="#">odin_options</a> object. The target element (if present) will be overridden.

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odin_js_bundle	<i>Create a bundle of odin models</i>
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**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.

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odin_js_example	<i>Generate a built in example</i>
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**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.

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