

Package ‘RDataCanvas’

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Type Package

Title Basic Runtime Support for Datacanvas.io

Version 0.1

Description Provides basic functionalities for writing a module for <http://datacanvas.io>. The <http://datacanvas.io> is a big data analytics platform that helps data scientists to build, manage and share data pipelines.

Depends R (>= 3.0.0)

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URL <https://github.com/DataCanvasIO/RDataCanvas>

BugReports <https://github.com/DataCanvasIO/RDataCanvas/issues>

LazyData true

Imports jsonlite

Suggests testthat

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NeedsCompilation no

Repository CRAN

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DCRuntime	DCRuntime will parse and extract Input/Output/Parameter, and return in S3 object.
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Description

This function will create a runtime object(in S3) for module. In order to create a DCRuntime object, we should provide the following items:

spec.json which defines the inputs/outputs/parameters of the module.

zetr.json the parameters at runtime.

arguments the arguments from command line. In the format, like "A=1".

Usage

```
DCRuntime(spec_json = "spec.json", zetr_json = NULL, args = NULL)
```

Arguments

spec_json	The path for "spec.json".
zetr_json	The path for "zetr.json". The default is NULL, which means we can get it from system environment variable "ZETRT".
args	The arguments for Input/Output with format like "A=1". The default is NULL, which means we can get it from command line arguments with "commandArgs".

Value

A S3 object.

See Also

See [Screwjack](#) about howto create a module.

Examples

```
## Not run: example to use DCRuntime
rt <- DCRuntime(spec_json = "/your_path/spec.json",
                zetr_json = "/some_path/zetr.json")
# Use "rt" like this:
rt$Output$o1$Val
rt$Input$i1$Val
rt$Param$P1$Val

## End(Not run)
```

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