Package ‘RDataCanvas’

October 12, 2022

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)
License BSD_3_clause + file LICENSE
URL https://github.com/DataCanvasIO/RDataCanvas
BugReports https://github.com/DataCanvasIO/RDataCanvas/issues
LazyData true
Imports jsonlite
Suggests testthat
Author Xiaolin Zhang [aut, cre]
Maintainer Xiaolin Zhang <leoncamel@gmail.com>
NeedsCompilation no
Repository CRAN
Date/Publication 2014-12-09 08:43:09

R topics documented:

DCRuntime ......................................................... 2
RDataCanvas ......................................................... 3

Index 4
DCRuntime will parse and extract Input/Output/Parameter, and return in S3 object.

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.
- **zetrt.json** the parameters at runtime.
- **arguments** the arguments from command line. In the format, like "A=1".

Usage

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

Arguments

- **spec_json**: The path for "spec.json".
- **zetrt_json**: The path for "zetrt.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 how to create a module.

Examples

```r
## Not run: example to use DCRuntime
rt <- DCRuntime(spec_json = "/your_path/spec.json",
                zetrt_json = "/some_path/zetrt.json")

# Use "rt" like this:
rt$Output$o1$Val
rt$Input$i1$Val
rt$Param$P1$Val

## End(Not run)
```
Description

RDataCanvas.

RDataCanvas.

RDataCanvas.

RDataCanvas.
Index

DCRuntime, 2
RDataCanvas, 3
RDataCanvas-package (RDataCanvas), 3