Package ‘RDataCanvas’

August 29, 2016

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>
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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$0$Val
rtnInput$1$Val
rtnParam$P1$Val

## End(Not run)
```
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