

fastscore

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Title FastScore SDK

Version 0.0.0.9000

Description FastScore R SDK and Jupyter Notebook extensions

Depends R (>= 3.3.2), curl, jsonlite, mime, openssl (>= 0.8), R6, yaml, httr, rjson

License TBD

Encoding UTF-8

LazyData true

Collate 'api.APIBase.R'
'api.ConnectAPI.R'
'api.EngineAPI.R'
'api.ModelManageAPI.R'
'api.attachment.R'
'api.connect.R'
'api.job.R'
'api.model.R'
'api.proxy.R'
'api.schema.R'
'api.service.R'
'api.stream.R'
'suite.instance.R'
'suite.model_manage.R'
'model.R'
'attachment.R'
'codec.R'
'codec.datatype.R'
'constants.R'
'deploy.model.R'
'pneumo.R'
'schema.R'
'sensor.R'
'snapshot.R'
'stream.R'
'suite.connect.R'
'suite.engine.R'

RoxygenNote 6.1.1

Suggests testthat

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Connect-class	<i>Connect</i>
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Description

Reference class for Fastscore Connect instance

Fields

proxy_prefix proxy string

insecure indicator for insecure curl option

Connect_configure	<i>Set Fastscore configuration</i>
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Description

Set Fastscore configuration

Arguments

config configuration description yaml

Value

if configuration successfully set

Connect_fleet	<i>Check Fastscore fleet</i>
---------------	------------------------------

Description

Check Fastscore fleet

Value

a list of fleet information

Connect_get	<i>Find a Fastscore instance by name</i>
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Description

Find a Fastscore instance by name

Arguments

name	instance name
------	---------------

Value

an sintance object of the specified name

Connect_get_config	<i>Get Fastscore configuration</i>
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Description

Get Fastscore configuration

Value

configuration in yaml

Connect_lookup	<i>Find a Fastscore instance by type</i>
----------------	--

Description

Find a Fastscore instance by type

Arguments

sname	instance type name
-------	--------------------

Value

an sintance object of the specified type

Engine-class	<i>Engine</i>
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Description

A class that represents a FastScore Engine

Engine_input_set	<i>Attaching input stream to an engine</i>
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Description

Attaching input stream to an engine

Arguments

slot	attaching slot, use even numbers
stream	stream instance to be attached

Value

if stream is successfully attached

Engine_load_model	<i>Load a model to an engine</i>
-------------------	----------------------------------

Description

Load a model to an engine

Arguments

model	model instance to be attached
force_inline	if bypass preferred list, default = FALSE

Value

if model is successfully loaded

Engine_output_set	<i>Attaching output stream to an engine</i>
-------------------	---

Description

Attaching output stream to an engine

Arguments

slot	attaching slot, use odd numbers
stream	stream instance to be attached

Value

if stream is successfully attached

Engine_score	<i>Run an input to an engine with loaded model, and get output</i>
--------------	--

Description

Run an input to an engine with loaded model, and get output

Arguments

data	input data, which is passed in as a json string
encode	default FALSE. TODO: implement auto-encoding according to model schema

Value

model output

Engine_unload_model	<i>Unload all models from an engine, i.e. reset the engine</i>
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Description

Unload all models from an engine, i.e. reset the engine

Value

if engine is successfully unloaded

InstanceBase_check_health	<i>Check instance health</i>
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Description

Check instance health

Value

if the instance is healthy

Model-class	<i>Model</i>
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Description

A class that represents a FastScore Model

Fields

model_manage the modelmanage it belongs to
name model name
mtype model type
source model source code

ModelManage-class	<i>ModelManage</i>
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Description

A class that represents a FastScore ModelManage

ModelManage_model_add_attachment	<i>Add an local attachment to a model</i>
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Description

Add an local attachment to a model

Arguments

model_name model name
attachment_name attachment name, including file extensions for attachment type
attachment_path path of the attachment file

Value

if an attachment is successfully loaded

ModelManage_model_delete
<i>Delete a model</i>

Description

Delete a model

Arguments

name	model name
------	------------

Value

delete corresponding model

ModelManage_model_get	<i>Get a model object</i>
-----------------------	---------------------------

Description

Get a model object

Arguments

name	model name
------	------------

Value

corresponding model object

ModelManage_model_list
<i>List all models</i>

Description

List all models

Value

a list of model names

`ModelManage_model_load_from_file`*Load a model from local file*

Description

Load a model from local file

Arguments

name	model name, including file extension for model language
path	path of the model file

Value

if a model is successfully loaded

`ModelManage_save_model`*Save a model*

Description

Save a model

Arguments

model	a model object
-------	----------------

Value

actionn result message

`ModelManage_save_schema`*Save a schema*

Description

Save a schema

Arguments

schema	a schema object
--------	-----------------

Value

actionn result message

ModelManage_save_sensor	
Save a sensor	
Description	
Save a sensor	
Arguments	
sensor	a sensor object
Value	
actionnn result message	
ModelManage_save_stream	
Save a stream	
Description	
Save a stream	
Arguments	
stream	a stream object
Value	
actionnn result message	
ModelManage_schema_delete	
Delete a schema	
Description	
Delete a schema	
Arguments	
name	schema name
Value	
delete corresponding schema	

`ModelManage_schema_get`*Get a schema object*

Description

Get a schema object

Arguments

name	schema name
------	-------------

Value

corresponding schema object

`ModelManage_schema_list`*List all schemas*

Description

List all schemas

Value

a list of schema names

`ModelManage_schema_load_from_file`*Load a schema from local file*

Description

Load a schema from local file

Arguments

name	schema name, NOT including file extension, as only supporting .avsc, and to match up with model script smart comment
path	path of the schema file

Value

if a schema is successfully loaded

ModelManage_sensor_delete
<i>Delete a sensor</i>

Description

Delete a sensor

Arguments

name sensor name

Value

delete corresponding sensor

ModelManage_sensor_get
<i>Get a sensor object</i>

Description

Get a sensor object

Arguments

name sensor name

Value

corresponding sensor object

ModelManage_sensor_list
<i>List all sensors</i>

Description

List all sensors

Value

a list of sensor names

ModelManage_stream_delete
Delete a stream

Description

Delete a stream

Arguments

name stream name

Value

delete corresponding stream

ModelManage_stream_get
Get a stream object

Description

Get a stream object

Arguments

name stream name

Value

corresponding stream object

ModelManage_stream_list
List all streams

Description

List all streams

Value

a list of stream names

ModelManage_stream_load_from_file
<i>Load a stream from local file</i>

Description

Load a stream from local file

Arguments

name	stream name, NOT including file extension, as only supporting .json
path	path of the stream file

Value

if a stream is successfully loaded

Model_attachment_delete
<i>Delete an attachments from this model</i>

Description

Delete an attachments from this model

Arguments

name	attachment name
------	-----------------

Value

if an attachment is successfully removed

Model_attachment_list	<i>List all attachments of this model</i>
-----------------------	---

Description

List all attachments of this model

Value

a list of attachment type and size

RModel-class	<i>Model A class that represents a FastScore Model.</i>
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Description

Model A class that represents a FastScore Model.

Schema-class	<i>Schema</i>
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Description

A class that represents a FastScore Schema

Fields

name schema name
source schema source code
model_manage the modelmanage it belongs to

Stream-class	<i>Stream</i>
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Description

A class that represents a FastScore Stream

Fields

name stream name
desc stream description
model_manage the modelmanage it belongs to

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