Astrocyte Packager

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CHAPTER 1

astrocyte

1.1 astrocyte package

1.1.1 Submodules

1.1.2 astrocyte.api module

astrocyte.api.**check_token**()

astrocyte.api.**get_valid_token**()

astrocyte.api.**init_storage**()

astrocyte.api.**read_storage**()

astrocyte.api.**upload_meta**(*pkg*)

astrocyte.api.**write_storage**(*data*)

1.1.3 astrocyte.exceptions module

exception astrocyte.exceptions.**AstroError**
Bases: Exception

exception astrocyte.exceptions.**BuildError**
Bases: *astrocyte.exceptions.AstroError*

exception astrocyte.exceptions.**GliaApiError**
Bases: *astrocyte.exceptions.UploadError*

exception astrocyte.exceptions.**InvalidDistributionError**
Bases: *astrocyte.exceptions.UploadError*

exception astrocyte.exceptions.**InvalidMetaError**
Bases: *astrocyte.exceptions.UploadError*

exception astrocyte.exceptions.**StructureError**
Bases: *astrocyte.exceptions.AstroError*

exception astrocyte.exceptions.**UploadError**
Bases: *astrocyte.exceptions.AstroError*

1.1.4 astrocyte.templates module

astrocyte.templates.**create_template**(*name*, *target*, *locals={}*)

astrocyte.templates.**get_constants**()

astrocyte.templates.**parse_template**(*name*, *locals={}*)

1.1.5 Module contents

class astrocyte.**Mod**(*pkg*, *namespaced_name*)
Bases: object

get_full_name()

get_mod_file()
Return the full filename of the mod file.

get_writername()

is_point_process()

sanitize_mod_file()

set_names(*name=None*, *variant=None*)
Change this Mod's names. Updates the mod file and __init__.py

class astrocyte.**Package**(*path*, *pkg_data*)
Bases: object

add_mod_file(*file*, *name=None*, *variant='0'*)

build()

built()

commit(*message*)

edit_asset(*mod_part*, *name=None*, *variant=None*)

get_distribution()

get_mod_path(**args*)

get_source_path(**args*)

import_mod_file(*origin*, *destination*, *name*)

increment_version()

install()

link()

set_path(*path*)

uninstall()

upload()

class astrocyte.**Writer**(*obj*)

Bases: object

content(*indent=0*)

exclude = ['pkg', 'writer']

find_line(*line*, *return_indent=False*)

find_tagline(*find_end=False*)

footer(*indent=0*)

get_endline()

get_init_path()

get_tagline()

header(*indent=0*)

in_it()

insert()

line(*msg*, *indent=0*)

property_line(*k*, *v*, *indent*)

read_block()

replace(*old*, *new*)

repr_types = [<class 'int'>, <class 'bool'>, <class 'str'>]

update()

write()

astrocyte.**execute_command**(*cmnd*)

astrocyte.**execute_python**(*script*)

astrocyte.**find_files**(*path_pattern*)

astrocyte.**get_asset_name**(*namespace*, *name*, *variant='0'*)

astrocyte.**get_glia_version**()

astrocyte.**get_minimum_glia_version**()

astrocyte.**get_package**(*path=None*)

astrocyte.**get_path_mod_name**(*path*)

astrocyte.**load_local_pkg**()

astrocyte.**parse_asset_name**(*name*)

CHAPTER 2

Installation

```
pip install astrocyte
```

CHAPTER 3

Usage

```
astro create package my-package
```

Fill in the prompts and navigate to your package folder.

```
astro add mod /path/to/mod/file
```

After adding any amount of mod files to your package you can build it and upload or install it:

```
astro build
astro install
astro upload
```

To upload your packages you will need to register and authenticate with an account on GliaPI.

For use on your local computer either use:

```
astro add mod --local /path/to/mod/file
```

This installs it to a local package that is immediately available.

CHAPTER 4

Indices and tables

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