
Astrocyte Packager

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1.1 astrocyte package

1.1.1 Submodules

1.1.2 astrocyte.api module

```
class astrocyte.api.Credentials
    Bases: object

    password = None
    remember = None
    user = None

astrocyte.api.check_token()
astrocyte.api.get_valid_token()
astrocyte.api.init_storage()
astrocyte.api.read_storage()
astrocyte.api.set_credentials(user, password, remember=False)
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.GlialApiError
    Bases: astrocyte.exceptions.UploadError

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

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

exception astrocyte.exceptions.MultipleMatchesError
    Bases: astrocyte.exceptions.AstroError

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

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

astrocyte.exceptions.multiple_candidates_error (mod_part, candidates)
```

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

    delete ()

    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)
find_mod_candidate (mod_part)
get_distribution ()
get_mod_candidates (mod_part)
get_mod_path (*args)
get_source_path (*args)
import_mod_file (origin, destination, name)
increment_version ()
install ()
link ()
remove_mod_file (mod_filename)
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 ()
    remove ()
    replace (old, new)
    repr_types = [<class 'int'>, <class 'bool'>, <class 'str'>]
    update ()
    write ()
astrocyte.execute_command (cmd)
```

```
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_mod_name_from_path(path)
astrocyte.get_package(path=None)
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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