doppel-cli Documentation

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CHAPTER

ONE

API DOCUMENTATION

1.1 Main Interface

imports for doppel. Use `__all__` to add things to the API Reference in the docs in `docs/`.

class doppel.**PackageAPI**(*pkg_dict*)

Package API class

This class is used to hold the interface of a given package being analyzed by doppel. It's comparison operators enable comparison between interfaces and its standard JSON format allows this comparison to happen across programming languages.

class_names()

Get a list with the names of all exported classes in the package.

Return type
List[str]

classmethod from_json(*filename*)

Instantiate a Package object from a file.

Parameters
filename (str) – Name of the JSON file that contains the description of the target package's API.

Return type
PackageAPI

function_names()

Get a list with the names of all exported functions in the package.

Return type
List[str]

functions_with_args()

Get a dictionary with all exported functions in the package and some details describing them.

Return type
Dict[str, Dict[str, Any]]

name()

Get the name of the package.

Return type
str

num_classes()

Get the number of exported classes in the package.

Return type
int

num_functions()

Get the number of exported functions in the package.

Return type
int

public_method_args(*class_name*, *method_name*)

Get a list of arguments for a public method from a class.

Parameters

- **class_name** (str) – Name of a class in the package
- **method-name** – Name of the method to get arguments for

Return type
List[str]

public_methods(*class_name*)

Get a list with the names of all public methods for a class.

Parameters
class_name (str) – Name of a class in the package

Return type
List[str]

class doppel.PackageCollection(*packages*)

Create a collection of multiple PackageAPI objects. This class contains access methods so you don't have to keep doing `for package in packages` over a collection of PackageAPI instances.

all_classes()

List of all classes that exist in at least one of the packages.

Return type
List[str]

all_functions()

List of all functions that exist in at least one of the packages.

Return type
List[str]

non_shared_classes()

List of all classes that are present in at least one but not ALL packages

Return type
List[str]

non_shared_functions()

List of all functions that are present in at least one but not ALL packages

Return type
List[str]

`package_names`()

Get a list of all the package names in this collection.

Return type
List[str]

`shared_classes`()

List of shared classes across all the packages in the collection

Return type
List[str]

`shared_functions`()

List of shared functions across all the packages in the collection

Return type
List[str]

`shared_methods_by_class`()

List of public methods in each shared class across all packages

Return type
Dict[str, List[str]]

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