

---

# **doppel-cli Documentation**

***Release 0.2.0***

**James Lamb**

**May 26, 2019**



# CONTENTS

<b>1</b>	<b>API Documentation</b>	<b>1</b>
1.1	Main Interface . . . . .	1
<b>2</b>	<b>Indices and tables</b>	<b>3</b>
	<b>Python Module Index</b>	<b>5</b>



## API DOCUMENTATION

### 1.1 Main Interface

**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** ()

**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.

**function\_names** ()

**functions\_with\_args** ()

**name** ()

**num\_classes** ()

**num\_functions** ()

**public\_method\_args** (*class\_name*, *method\_name*)

**public\_methods** (*class\_name*)

**class** `doppel.PackageCollection` (*packages*)

**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()**

**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]]`

## INDICES AND TABLES

- `genindex`
- `search`





## PYTHON MODULE INDEX

### d

doppel, [1](#)



## INDEX

### A

`all_classes()` (*doppel.PackageCollection method*), 1  
`all_functions()` (*doppel.PackageCollection method*), 1  
`shared_methods_by_class()` (*doppel.PackageCollection method*), 2

### C

`class_names()` (*doppel.PackageAPI method*), 1

### D

`doppel` (*module*), 1

### F

`from_json()` (*doppel.PackageAPI class method*), 1  
`function_names()` (*doppel.PackageAPI method*), 1  
`functions_with_args()` (*doppel.PackageAPI method*), 1

### N

`name()` (*doppel.PackageAPI method*), 1  
`non_shared_classes()` (*doppel.PackageCollection method*), 1  
`non_shared_functions()` (*doppel.PackageCollection method*), 1  
`num_classes()` (*doppel.PackageAPI method*), 1  
`num_functions()` (*doppel.PackageAPI method*), 1

### P

`package_names()` (*doppel.PackageCollection method*), 2  
`PackageAPI` (*class in doppel*), 1  
`PackageCollection` (*class in doppel*), 1  
`public_method_args()` (*doppel.PackageAPI method*), 1  
`public_methods()` (*doppel.PackageAPI method*), 1

### S

`shared_classes()` (*doppel.PackageCollection method*), 2  
`shared_functions()` (*doppel.PackageCollection method*), 2