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# **doppel-cli Documentation**

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## 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]]`

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