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# **swagger***spec\_validator Documentation*

***Release 2.4.3***

**Yelp Inc**

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## Contents

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<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>Frequently Asked Questions</b>	<b>3</b>
<b>3</b>	<b>API</b>	<b>5</b>



# CHAPTER 1

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## Introduction

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Swagger Spec Validator is a Python library that validates *Swagger Specs* against the [Swagger 1.2](#) or [Swagger 2.0](#) specification. The validator aims to check for full compliance with the Specification.



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### Frequently Asked Questions

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#### 2.1 Is the API stable?

Probably not. However, it is currently very simple, so it shouldn't be hard to upgrade code if there's a non backwards-compatible change.





### 3.1 Changelog

#### 3.1.1 2.4.3 (2019-01-16)

- Fix regression, introduced by PR #111, that was causing descending references with no scope. - PR #113

#### 3.1.2 2.4.2 (2019-01-15)

- Add warning when `$ref` is defined to have `None` value - PR #111
- Ensure that only valid references (`$ref` attribute is present with string value) are dereferenced - PR #111

#### 3.1.3 2.4.1 (2018-10-09)

- Add warning when using `$ref` together with other properties - PR #107

#### 3.1.4 2.4.0 (2018-08-28)

- Disallow multiple types in schema definitions. See [OpenAPI#458](#) for context - PR #106

#### 3.1.5 2.3.1 (2018-06-11)

- Fix urlopen issue on Windows platform. Issue #99, PR #101

### 3.1.6 2.3.0 (2018-06-06)

- Ensure that inline models are validated - #97
- Ensure that parameters are validated - #97
- Validation of defaults set to None is skipped if x-nullable is set - #97

### 3.1.7 2.2.0 (2018-06-05)

- Add support for reading YAML files - #74
- Make sure operationIds are unique within the same tag - #93
- Validate that array models in the top-level definitions have an `items` property (validation for array models in other places will come in a future release) - #95
- Responses (the mapping of HTTP status codes to Response objects) cannot be a reference - #92
- `$ref` values need to be strings - #83. Thanks ceridwen for your contribution!
- Ensure that default values are compliant with the spec - #82
- More helpful error message when encountering unresolvable path params - #72. Thanks daym for your contribution!

### 3.1.8 2.1.0 (2017-03-21)

- Properly validate polymorphic objects - #68

### 3.1.9 2.0.4 (2017-03-10)

- Rename package to swagger-spec-validator to fix PyPI upload issues - #59

### 3.1.10 2.0.3 (2016-11-23)

- Ignore x- vendor extensions in the schema at the `#/paths/{path}/{http_method}` level - PR #45
- Swagger 2.0 schema synced with upstream - PR #40

### 3.1.11 2.0.2 (2015-11-18)

- Fix regression with Swagger 1.2 schemas - #43

### 3.1.12 2.0.1 (2015-11-17)

- Fix rich validations that rely on a working deref with scope annotations

### 3.1.13 2.0.0 (2015-11-17)

- Support for recursive \$refs
- Unqualified \$refs no longer supported. Bad: `{"$ref": "User"}` Good: `{"$ref": "#/definitions/User"}`

### 3.1.14 1.1.1 (2015-10-02)

- Workaround for validation of Swagger 2.0 schemas with external refs - #38

### 3.1.15 1.1.0 (2015-08-24)

- Validate crossrefs - #33, #34

### 3.1.16 1.0.12 (2015-07-02)

- Handle API level parameters - #29
- More robust handling of \$refs - #29

### 3.1.17 1.0.11 (2015-06-02)

- Validation for model name and it (Swagger 1.2)
- Remove unnecessary dependency on pyyaml

### 3.1.18 1.0.10 (2015-04-15)

- Pin of jsonschema used for unit tests for Python3

### 3.1.19 1.0.9 (2015-03-26)

- Sync Swagger 2.0 schema with upstream - allow empty arrays for parameter
- Handle schemas with no definitions

### 3.1.20 1.0.8 (2015-03-11)

- Petstore URLs updated
- Support 'type: File' for (Swagger 1.2)

### 3.1.21 1.0.7 (2015-03-02)

- Python3 support
- Use simplejson when available

### 3.1.22 1.0.5 (2015-02-19)

- Add `file://` support

### 3.1.23 1.0.3 (2015-01-05)

- Initial support for Swagger 2.0

### 3.1.24 1.0.2 (2014-10-24)

- Bugfix for path construction in `validate_resource_listing_url`

### 3.1.25 1.0.1 (2014-10-24)

- Bugfix to including jsonschema files

### 3.1.26 1.0.0 (2014-10-24)

- Initial version