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*
```

`deprecations`#

Tools to aid in deprecating code.

Classes#

`DeprecationHandler` | Factory to create a deprecation handle for the specified version.

---|---

Attributes#

`T` |

---|---

`deprecated` |

T#

`_exception _DeprecatedError#`

Bases:

`[` RuntimeError`](https://docs.python.org/3/library/exceptions.html#RuntimeError`

`"\ (in Python v3.13\)"`)

Unspecified run-time error.

Initialize self. See `help(type(self))` for accurate signature.

`_class _DeprecationHandler(_version :`

`[str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python`

`v3.13\)")_)#`

Factory to create a deprecation handle for the specified version.

Parameters:

`version**`** `--` The version to compare against when checking deprecation statuses.

```
_version _: [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python v3.13\)" ) |
[None](https://docs.python.org/3/library/constants.html#None "\ (in Python v3.13\)" )_#
```

```
_version_tuple _: [tuple](https://docs.python.org/3/library/stdtypes.html#tuple "\ (in Python
v3.13\)" )[[int](https://docs.python.org/3/library/functions.html#int "\ (in Python v3.13\)" ), Ellipsis] |
[None](https://docs.python.org/3/library/constants.html#None "\ (in Python v3.13\)" )_#
```

```
_version_object _: packaging.version.Version |
[None](https://docs.python.org/3/library/constants.html#None "\ (in Python v3.13\)" )_#
```

```
_static __get_version_tuple(_version : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in
Python v3.13\)" )_) -> [tuple](https://docs.python.org/3/library/stdtypes.html#tuple "\ (in Python
v3.13\)" )[[int](https://docs.python.org/3/library/functions.html#int "\ (in Python v3.13\)" ), Ellipsis] |
[None](https://docs.python.org/3/library/constants.html#None "\ (in Python v3.13\)" )#
```

Return version as non-empty tuple of ints if possible, else None.

Parameters:

****version**** -- Version string to parse.

`_version_less_than(_version :`

`[str](https://docs.python.org/3/library/stdtypes.html#str "(in Python`

`v3.13\))_ -> [bool](https://docs.python.org/3/library/functions.html#bool`

`"(in Python v3.13\))#`

Test whether own version is less than the given version.

Parameters:

****version**** -- Version string to compare against.

`__call__(_deprecate_in : [str](https://docs.python.org/3/library/stdtypes.html#str "(in Python`
`v3.13\))_, _remove_in : [str](https://docs.python.org/3/library/stdtypes.html#str "(in Python`
`v3.13\))_, *_ , _addendum : [str](https://docs.python.org/3/library/stdtypes.html#str "(in Python`
`v3.13\)) | [None](https://docs.python.org/3/library/constants.html#None "(in Python v3.13\)) =`
`None_, _stack : [int](https://docs.python.org/3/library/functions.html#int "(in Python v3.13\)) = 0_,`
`_deprecation_type : [type](https://docs.python.org/3/library/functions.html#type "(in Python`
`v3.13\))][Warning](https://docs.python.org/3/library/exceptions.html#Warning "(in Python v3.13\))]`
`= DeprecationWarning_) -> Callable[[Callable[P, T]], Callable[P, T]]#`

Deprecation decorator for functions, methods, & classes.

Parameters:

`* **deprecate_in**` `--` Version in which code will be marked as deprecated.

`* **remove_in**` `--` Version in which code is expected to be removed.

`* **addendum**` `--` Optional additional messaging. Useful to indicate what to do instead.

`* **stack**` `--` Optional stacklevel increment.

```
argument(_deprecate_in : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python
v3.13\)" )_, _remove_in : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python
v3.13\)" )_, _argument : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python
v3.13\)" )_, *_ , _rename : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python
v3.13\)" ) | [None](https://docs.python.org/3/library/constants.html#None "\ (in Python v3.13\)" ) =
None_, _addendum : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python v3.13\)" ) |
[None](https://docs.python.org/3/library/constants.html#None "\ (in Python v3.13\)" ) = None_, _stack
: [int](https://docs.python.org/3/library/functions.html#int "\ (in Python v3.13\)" ) = 0_,
_deprecation_type : [type](https://docs.python.org/3/library/functions.html#type "\ (in Python
v3.13\)" )[[Warning](https://docs.python.org/3/library/exceptions.html#Warning "\ (in Python v3.13\)" )]]
= DeprecationWarning_) -> Callable[[Callable[P, T]], Callable[P, T]]#
```

Deprecation decorator for keyword arguments.

Parameters:

* **deprecate_in** \-- Version in which code will be marked as deprecated.

* **remove_in** \-- Version in which code is expected to be removed.

* **argument** \-- The argument to deprecate.

* **rename** \-- Optional new argument name.

* **addendum** \-- Optional additional messaging. Useful to indicate what to do instead.

* **stack** \-- Optional stacklevel increment.

```
action(_deprecate_in : [str](https://docs.python.org/3/library/stdtypes.html#str "(in Python v3.13\)" )_,
_remove_in : [str](https://docs.python.org/3/library/stdtypes.html#str "(in Python v3.13\)" )_, _action :
ActionType_, _*_ , _addendum : [str](https://docs.python.org/3/library/stdtypes.html#str "(in Python
v3.13\)" ) | [None](https://docs.python.org/3/library/constants.html#None "(in Python v3.13\)" ) =
None_, _stack : [int](https://docs.python.org/3/library/functions.html#int "(in Python v3.13\)" ) = 0_,
_deprecation_type : [type](https://docs.python.org/3/library/functions.html#type "(in Python
v3.13\)" )][Warning](https://docs.python.org/3/library/exceptions.html#Warning "(in Python v3.13\)" )]
= FutureWarning_) -> ActionType#
```

Wraps any `argparse.Action` to issue a deprecation warning.

```
module(_deprecate_in : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python
v3.13\)" )_, _remove_in : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python
v3.13\)" )_, _*_ , _addendum : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python
v3.13\)" ) | [None](https://docs.python.org/3/library/constants.html#None "\ (in Python v3.13\)" ) =
None_, _stack : [int](https://docs.python.org/3/library/functions.html#int "\ (in Python v3.13\)" ) = 0_) ->
[None](https://docs.python.org/3/library/constants.html#None "\ (in Python v3.13\)" )#
```

Deprecation function for modules.

Parameters:

`***deprecate_in**` \-- Version in which code will be marked as deprecated.

`***remove_in**` \-- Version in which code is expected to be removed.

`***addendum**` \-- Optional additional messaging. Useful to indicate what to do instead.

`***stack**` \-- Optional stacklevel increment.

```
constant(_deprecate_in : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python
v3.13\)" )_, _remove_in : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python
v3.13\)" )_, _constant : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python v3.13\)" )_,
```

```
_value : Any_, _*_ , _addendum : [str](https://docs.python.org/3/library/stdtypes.html#str "(in Python v3.13\\)") | [None](https://docs.python.org/3/library/constants.html#None "(in Python v3.13\\)") = None_, _stack : [int](https://docs.python.org/3/library/functions.html#int "(in Python v3.13\\)") = 0_, _deprecation_type : [type](https://docs.python.org/3/library/functions.html#type "(in Python v3.13\\)")[[Warning](https://docs.python.org/3/library/exceptions.html#Warning "(in Python v3.13\\)")]] = DeprecationWarning_) -> [None](https://docs.python.org/3/library/constants.html#None "(in Python v3.13\\)")#
```

Deprecation function for module constant/global.

Parameters:

`***deprecate_in**` `--` Version in which code will be marked as deprecated.

`***remove_in**` `--` Version in which code is expected to be removed.

`***constant**`

`***value**`

`***addendum**` `--` Optional additional messaging. Useful to indicate what to do instead.

`***stack**` `--` Optional stacklevel increment.

```

topic(_deprecate_in : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python v3.13\)" )_,
_remove_in : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python v3.13\)" )_, *_ ,
_topic : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python v3.13\)" )_, _addendum :
[str](https://docs.python.org/3/library/stdtypes.html#str      "\ (in      Python      v3.13\)" )      |
[None](https://docs.python.org/3/library/constants.html#None "\ (in Python v3.13\)" ) = None_, _stack
:  [int](https://docs.python.org/3/library/functions.html#int  "\ (in  Python  v3.13\)" )  =  0_,
_deprecation_type  :  [type](https://docs.python.org/3/library/functions.html#type  "\ (in  Python
v3.13\)" )][Warning](https://docs.python.org/3/library/exceptions.html#Warning "\ (in Python v3.13\)" )]
= DeprecationWarning_) -> [None](https://docs.python.org/3/library/constants.html#None  "\ (in
Python v3.13\)" ))#

```

Deprecation function for a topic.

Parameters:

`***deprecate_in**` \-- Version in which code will be marked as deprecated.

`***remove_in**` \-- Version in which code is expected to be removed.

`***topic**` \-- The topic being deprecated.

`***addendum**` \-- Optional additional messaging. Useful to indicate what to do instead.

`***stack**` \-- Optional stacklevel increment.

```

_get_module(_stack :
[int](https://docs.python.org/3/library/functions.html#int "(in Python
v3.13\)"_) -> [tuple](https://docs.python.org/3/library/stdtypes.html#tuple
"(in Python
v3.13\)" )[[types.ModuleType](https://docs.python.org/3/library/types.html#types.ModuleType
"(in Python v3.13\)" ),
[str](https://docs.python.org/3/library/stdtypes.html#str "(in Python
v3.13\)" )]#

```

Detect the module from which we are being called.

Parameters:

****stack**** \-- The stacklevel increment.

Returns:

The module and module name.

```

_generate_message(_deprecate_in  : [str](https://docs.python.org/3/library/stdtypes.html#str "(in

```

```

Python v3.13\)"_ , _remove_in : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python
v3.13\)"_ , _prefix : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python v3.13\)"_ ,
_addendum : [str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python v3.13\)" ) |
[None](https://docs.python.org/3/library/constants.html#None "\ (in Python v3.13\)"_ , _*_ ,
_deprecation_type : [type](https://docs.python.org/3/library/functions.html#type "\ (in Python
v3.13\)" )[[Warning](https://docs.python.org/3/library/exceptions.html#Warning "\ (in Python
v3.13\)" )_] -> [tuple](https://docs.python.org/3/library/stdtypes.html#tuple "\ (in Python
v3.13\)" )[[type](https://docs.python.org/3/library/functions.html#type "\ (in Python
v3.13\)" )[[Warning](https://docs.python.org/3/library/exceptions.html#Warning "\ (in Python v3.13\)" )]] |
[None](https://docs.python.org/3/library/constants.html#None "\ (in Python v3.13\)" ),
[str](https://docs.python.org/3/library/stdtypes.html#str "\ (in Python v3.13\)" )]#

```

Generate the standardized deprecation message and determine whether the deprecation is pending, active, or past.

Parameters:

`deprecate_in` -- Version in which code will be marked as deprecated.

`remove_in` -- Version in which code is expected to be removed.

`prefix` -- The message prefix, usually the function name.

`addendum` -- Additional messaging. Useful to indicate what to do instead.

`* **deprecation_type**` `--` The warning type to use for active deprecations.

Returns:

The warning category (if applicable) and the message.

`deprecated#`

`__`On this page

* Classes

* Attributes

* ``T``

* ``DeprecatedError``

* ``DeprecationHandler``

* ``DeprecationHandler._version``

* ``DeprecationHandler._version_tuple``

* ``DeprecationHandler._version_object``

* ``DeprecationHandler._get_version_tuple``

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* ``DeprecationHandler.__call__``

* ``DeprecationHandler.argument``

- * ``DeprecationHandler.action()``
- * ``DeprecationHandler.module()``
- * ``DeprecationHandler.constant()``
- * ``DeprecationHandler.topic()``
- * ``DeprecationHandler._get_module()``
- * ``DeprecationHandler._generate_message()``
- * ``deprecated``

[[__Edit on GitHub](https://github.com/conda/conda/edit/main/docs/source/dev-guide/api/conda/deprecations/index.rst)](https://github.com/conda/conda/edit/main/docs/source/dev-guide/api/conda/deprecations/index.rst)

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