

tf.contrib.framework.deprecated

```
deprecated(  
    date,  
    instructions,  
    warn_once=True  
)
```

Defined in [tensorflow/python/util/deprecation.py](#).

See the guide: [Framework \(contrib\) > Deprecation](#)

Decorator for marking functions or methods deprecated.

This decorator logs a deprecation warning whenever the decorated function is called. It has the following format:

(from) is deprecated and will be removed after . Instructions for updating:

If **date** is None, 'after ' is replaced with 'in a future version'. will include the class name if it is a method.

It also edits the docstring of the function: ' (deprecated)' is appended to the first line of the docstring and a deprecation notice is prepended to the rest of the docstring.

Args:

- date** : String or None. The date the function is scheduled to be removed. Must be ISO 8601 (YYYY-MM-DD), or None.
- instructions** : String. Instructions on how to update code using the deprecated function.
- warn_once** : Boolean. Set to **True** to warn only the first time the decorated function is called. Otherwise, every call will log a warning.

Returns:

Decorated function or method.

Raises:

- ValueError** : If date is not None or in ISO 8601 format, or instructions are empty.

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