

Exceptions

Built-in Exceptions reference

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scrapy-master\docs\topics\[scrapy-master] [docs] [topics]exceptions.rst, line 7)

Unknown directive type "module".

```
.. module:: scrapy.exceptions
   :synopsis: Scrapy exceptions
```

Here's a list of all exceptions included in Scrapy and their usage.

CloseSpider

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scrapy-master\docs\topics\[scrapy-master] [docs] [topics]exceptions.rst, line 21)

Unknown directive type "exception".

```
.. exception:: CloseSpider(reason='cancelled')

   This exception can be raised from a spider callback to request the spider to be
   closed/stopped. Supported arguments:

   :param reason: the reason for closing
   :type reason: str
```

For example:

```
def parse_page(self, response):
    if 'Bandwidth exceeded' in response.body:
        raise CloseSpider('bandwidth_exceeded')
```

DontCloseSpider

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Unknown directive type "exception".

```
.. exception:: DontCloseSpider
```

This exception can be raised in a `:signal: spider_idle` signal handler to prevent the spider from being closed.

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Unknown interpreted text role "signal".

DropItem

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Unknown directive type "exception".

```
.. exception:: DropItem
```

The exception that must be raised by item pipeline stages to stop processing an Item. For more information see [ref`topics-item-pipeline`](#).

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IgnoreRequest

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scrapy-master\docs\topics\[scrapy-master] [docs] [topics]exceptions.rst, line 54)

Unknown directive type "exception".

```
.. exception:: IgnoreRequest
```

This exception can be raised by the Scheduler or any downloader middleware to indicate that the request should be ignored.

NotConfigured

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scrapy-master\docs\topics\[scrapy-master] [docs] [topics]exceptions.rst, line 62)

Unknown directive type "exception".

```
.. exception:: NotConfigured
```

This exception can be raised by some components to indicate that they will remain disabled. Those components include:

- Extensions
- Item pipelines
- Downloader middlewares
- Spider middlewares

The exception must be raised in the component's `__init__` method.

NotSupported

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scrapy-master\docs\topics\[scrapy-master] [docs] [topics]exceptions.rst, line 77)

Unknown directive type "exception".

```
.. exception:: NotSupported
```

This exception is raised to indicate an unsupported feature.

StopDownload

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\scrapy-master\docs\topics\[scrapy-master] [docs] [topics]exceptions.rst, line 84)

Unknown directive type "versionadded".

```
.. versionadded:: 2.2
```

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Unknown directive type "exception".

```
.. exception:: StopDownload(fail=True)
```

Raised from a `:class:`~scrapy.signals.bytes_received`` or `:class:`~scrapy.signals.headers_received`` signal handler to indicate that no further bytes should be downloaded for a response.

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Unknown interpreted text role "class".

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The `fail` boolean parameter controls which method will handle the resulting response:

- If `fail=True` (default), the request errback is called. The response object is available as the `response` attribute of the `StopDownload` exception, which is in turn stored as the `value` attribute of the received `:class:`~twisted.python.failure.Failure`` object. This means that in an errback defined as `def errback(self, failure)`, the response can be accessed through `failure.value.response`.

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- If `fail=False`, the request callback is called instead.

In both cases, the response could have its body truncated: the body contains all bytes received up until the exception is raised, including the bytes received in the signal handler that raises the exception. Also, the response object is marked with `"download_stopped"` in its `:attr:`Response.flags`` attribute.

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Note

`fail` is a keyword-only parameter, i.e. raising `StopDownload(False)` or `StopDownload(True)` will raise a `:class:`TypeError``.

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See the documentation for the `:class:`~scrapy.signals.bytes_received`` and `:class:`~scrapy.signals.headers_received`` signals and the `ref`topics-stop-response-download`` topic for additional information and examples.

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